

**DEPARTMENT OF INFORMATION AND COMMUNICATION
TECHNOLOGY**

**DIPLOMA IN INFORMATION TECHNOLOGY
(DIGITAL TECHNOLOGY)**

DFT50114: INTEGRATED PROJECT

PROPERTY SALES REGISTRATION SYSTEM

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SESSION: II 2022/2023

1.0 ABSTRACT

The purpose of this project is to create a property sales registration system for our client, who does not have a web-based system for managing sales of property in Janda Baik, Bentong. To manage prospect registrations and information about property sales, the existing system makes use of a mix of tools, including Microsoft Excel and Microsoft Access. Users are not given a realistic view of the property and picture's representation puts limitations on the users' ability to remotely view and assess all aspects of a house. Monthly reports on property sales are not possible with the current system. The system's objectives include maintaining property information, prospect registration, generating monthly sales reports, and offering a 360 virtual tour for property exploration. We intended to successfully complete the project using the agile methodology, giving our client an organized and effective online solution that would streamline property sales management and improve the user experience.

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2.0 PROJECT PLAN

2.1 Problem Statement

The current system used by our client, Mr. Muhammad Syafiq Bin Mat Ali are inefficient and do not provide a comprehensive view of their operations. This will cause time-consuming, prone to errors and make it hard to effectively manage the user registration and properties. As a result, the company is facing with several challenges :

- i. Use multiple tools in managing the customer and property information:
The current system uses multiple tools such as Microsoft excel and Microsoft access to manage prospect registrations and property sales information, leading to difficulties in tracking and organizing crucial data related to potential customers and completed sales property.
- ii. Use 2D image to showing the property to prospect :
Users are not provided with an immersive view of the property. The users' capacity to completely examine and assess house details remotely is limited by the pictures representation.
- iii. Lack sales data reporting :
The existing system does not have an ability to produce monthly reports on property sales. This causes problems with obtaining and reporting of the relevant sales data, including delays, mistakes, and inconsistencies that limit efficient analysis and decision-making procedures.

To solve this, the company is interested in exploring the development of property sales registration system that can improved their work processes. The system would provide a centralized location for all property related activities such as add new property detail, manage users registration information. The proposed system would provide a more efficient and effective solution for property sales, allowing the company to grow and expand their operations over time.

2.2 Objective

- i. To develop an online system for maintaining record of property information and prospect registration.
- ii. To create an online system that are able to generate a report for monthly property sales record.
- iii. To develop an online system with a 360 virtual tour for users to virtually explore the property

2.3 Scope

I. Client (Admin)

- i. Able to manage by add, delete, insert and update the property information.
- ii. Able to view their customer registration information.
- iii. Able to generate sales reporting.

II. Manager

- i. Able to view property information.
- ii. Able to view property sales record.
- iii. Able to generate sales reporting.

III. Prospect (User)

- i. Able to view comprehensive details of each property, including descriptions, specifications, photographs, virtual tours, and any other relevant media.
- ii. Able to use the system to register and submit their interest in the property.
- iii. Able to address any queries that may have during the property registration by sending a message in registration form.

System Scope

- i. The system can enable prospect to view properties virtually through 3D tours photos, and videos.
- ii. The system can provide prospect with detailed information about properties, including property features, amenities, and neighborhood information.
- iii. The system can generate sales reporting on the property that has been owned or purchase by the prospect recorded through the system.

2.4 Literature Review

The property industry is a rapidly growing and highly competitive sector, which has seen a significant shift towards digital innovation in recent years. This trend has been witnessed in countries such as the United States of America (USA), China, Malaysia, South Africa, and Singapore among others. There is also evidence of studies being conducted in the above countries relating to adoption of e-commerce in real estate property management (Zhang et al.,2016). Property Sales Registration systems are one such innovation that can offer a range of benefits to property company, such as improved operational efficiency and enhanced customer experiences. This literature review will consist of 3 different website that are available in the internet. According to the research conducted, this is the gaining from the research.

Project			
Link Resources	https://homes.trovit.my/	http://tanah.com.my/	https://www.iklantana.hmelaka.com/
Programming Language Used	• Javascript • HTML	• HTML • Javascript	• HTML
Hardware	• Laptop • PC • Smart Phone	• Laptop • PC • Smart Phone	• Laptop • PC • Smart Phone

Software	• Google Chrome • Microsoft Edge • Opera (webbrowser)	• Google Chrome • Microsoft Edge • Opera (web browser)	• Google Chrome • Microsoft Edge • Opera (web browser)
Advantages			
Property Information	• Wide range of listings	• Simple information	• Basic information
Browsing time	• Fast	• Fast	• Fast
Disadvantages			
Interface design	• Crowded	• Too bland and using only one color	• Too simple
Property information	• Not always provide up-to-date or accurate information.	• Limited information and pictures about the property.	• limited amount of information provided.
360° view	• Not provided	• Not provided	• Not provided

Table 2.4.1: Literature Review

From the literature review that we have performed, we have found some weaknesses that might become an advantage to our project. Firstly, the three of the websites we study contain similar weakness that we identify. Such as the website having problem with limited information of picture, the picture is only showing one side of the place. Some users may prefer to see more photos, additional information about the property's features and amenities, and details about the surrounding area. To address this weakness, we will add 360 virtual tour views of the property, providing potential buyers with a more comprehensive view of the property's layout and features. This will help to increase their confidence in the property and make them more likely to make an enquiry.

Second, we saw a chance in our last weakness which is lack of contact information. A select group of potential customers may be drawn by this disadvantage. As a result, the website may have a smaller audience than it otherwise could and may attract fewer customers. As a result, it may be challenging to maintain the website over time and expansion potential can be constrained. We will update the website's contact details and help desk to address this issue. More people will be interested in this.

2.5 Methodology

The methodology of this project is Agile. The justification of choosing the methodology is that it is suitable for a fast development timeline. The Agile approach will enable the development team to work closely with client and customers to ensure that the website meets their needs and expectations. Through iterative cycles of planning, coding, testing, and release, the team will be able to deliver high-quality features in a timely and efficient manner, while also allowing for adaptability and flexibility to changes in requirements or feedback.

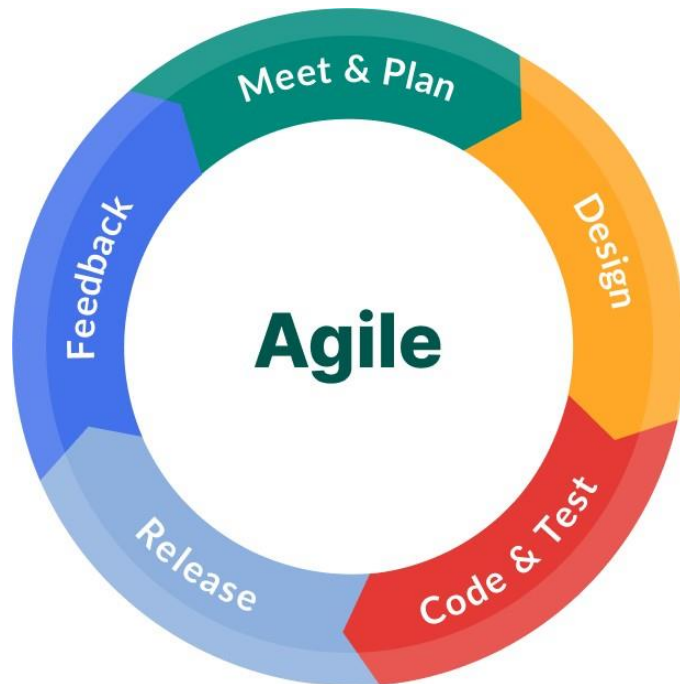


Figure 2.5.1: Agile Methodology

No	Phase	Activities
1	Meet & Plan	1. Identification for a Property Sales Registration System project. 2. Brainstorming with team members and supervisor Encik Azrol Hisham bin Mohd Adham. 3. Proposal report writing . 4. Proposal presentation.
2	Design	1. Plan requirement and design specification for user interface . Property Sales Registration System . 2. Manage the hardware or software configuration. 3. Develop problem specification and user interface design. 4. Property Sales Registration System Project Demo 1.
3	Code & Test	1. Run and debug the Property Sales Registration System project. 2. User testing Property Sales Registration System. 3. Property Sales Registration System Project Demo 2
4	Release	1. Present deliverables. 2. Prepare Property Sales Registration System project documentation. 3. Property Sales Registration System Project Demo 3.
5	Feedback	1. Identify any issues or areas for improvement and make adjustments as necessary. 2. Present final Property Sales Registration System project.

Table 2.5.2: Agile Methodology

2.6 Gantt Chart

No	Sprint	Phase / Activities	Duration	Start Date	End Date
1	Sprint 1	1.0 Meet & Plan	5 days	19/6/2023	23/6/2023
2		- Identification for a project	1 days	19/6/2023	19/6/2023
3		- Brainstorming with team members and supervisor	2 days	20/6/2023	21/6/2023
4		- Proposal report writing	1 days	22/6/2023	22/6/2023
5		- Proposal presentation	1 days	23/6/2023	23/6/2023
6		2.0 Design	12 days	26/6/2023	7/7/2023
7		- Plan requirement and design specification	1 days	26/6/2023	26/6/2023
8		- Manage the hardware or software configuration	5 days	27/6/2023	1/7/2023
9		- Develop problem specification and design	5 days	2/7/2023	6/7/2023
10		- Project Demo 1	1 days	7/7/2023	7/7/2023
11		3.0 Code & Test	12 days	10/7/2023	21/7/2023
12		- Run and debug the project	9 days	10/7/2023	18/7/2023
13		- User testing	2 days	19/7/2023	20/7/2023
14		- Project Demo 2	1 days	21/7/2023	21/7/2023
15		4.0 Release	12 days	24/7/2023	4/8/2023
16		- Present deliverables	2 days	24/7/2023	25/7/2023
17		- Prepare project documentation	9 days	25/7/2023	3/8/2023
18		- Project Demo 3	1 days	4/8/2023	4/8/2023
19		5.0 Feedback	2 days	7/8/2023	8/8/2023
20		- Identify any issues or areas for improvement and make adjustments as necessary	1 days	7/8/2023	7/8/2023
21		- Present final project	1 days	8/8/2023	8/8/2023

Table 2.6.1: Gantt Chart

3.0 REQUIREMENT SPECIFICATION

3.1 Functional Requirement

The functional requirements of this system are as follows:

- i. Users shall be able to create an admin/manager account to access the system.
- ii. Users shall be able to log into the system.
- iii. Users shall be able to view and read property listing information.
- iv. Users shall be able to view and explore 360 VR house tour.
- v. Users shall be able to register prospect information using a form.
- vi. Users shall be able to manage, search, and update registered prospect information.
- vii. Users shall be able to manage, add, search, update, and delete new property data in the system.
- viii. Users shall be able to manage, search, update, and delete customer information data.
- ix. The system shall store registered accounts, prospect information, customer data, and property information in the database.
- x. The system shall be able to generate reports displaying statistics based on house type and sales data.
- xi. The system shall be able to generate reports based on prospect and customer data.
- xii. The system shall display interactive graphs and pie charts depicting statistics based on prospect and customer data.

3.2 Non-Functional Requirement

The non-functional requirements of this system are as follows:

- i. Usability: The system needs to be well-planned and user-friendly.
- ii. Reliability: Availability, the system must be available twenty-four hours a day, seven days a week.
- iii. System performance: The system's response time for any user interaction should not exceed five seconds under normal operating conditions.
- iv. Compatibility: To ensure accessibility for users on the go, the system's interface must be responsive and usable on a variety of mobile devices.
- v. Maintainability: The system's codebase must follow coding guidelines and best practices to make maintenance and upcoming improvements easier.

3.3 Hardware and Software Requirement

No	Hardware	Specification	Price
1	LAPTOP-HG988KGD	• Intel (R) Core i3 • RAM 8GB • 64-bit operatingsystem • x64-based processor • Windows 11	RM 2,499.00
2	LAPTOP-ICIAQAO9	• AMD Ryzen 5 3500U • RAM 12GB • 64-bit operatingsystem • x64-based processor • Windows 10	RM 2,299.00
3	LAPTOP-GFKPDHGK	• Intel(R) Core i3 • RAM 8GB • 64-bit operatingsystem • x64-based processor • Window 10	RM 2,499.00
4	360 RICOH THETA CAMERA	• Type: 1.0-inch back-illuminated CMOS sensor • Wireless Connectivity: Wi-Fi (IEEE 802.11a/b/g/n/ac), Bluetooth (Bluetooth 4.2) • Tripod Socket: 1/4 inch (standard)	RM 3,280.00
Total			RM 10,577.00

Table 3.3.1: Hardware Requirement

No	Software	Specification	Price
1	Sublime	• User-friendly texteditor • Powerful features • A wide range of language support.	Free
2	360 Editor	• 360 photo and video editing • Exporting publishing option • Embedded link	RM 37.20 per month
3	Apache	• Open source and free • Cross platform compatibility	Free
4	MySQL	• Open source relational database	Free
5	Canva	• Photo and text editor • Resize image and text	Free
Total			RM 37.20

Table 3.3.2: Software Requirement

3.4 System Configuration

The project's functional and non-functional requirements have been carefully considered when configuring the property sales registration system. The configuration of this system are as follows:

1. Software setup
 - i. Installation of the database management system, web server, and application for property sales registration during software setup.
 - ii. configuration files for user roles and database connection.
2. Database configuration
 - i. The information about properties, customers, prospects, and users should be kept in distinct tables with the correct relationships in a structured database schema.
3. User interface system
 - i. Develop the user interface's design, color, image sections, and navigation menus to the company's user expectation.
 - ii. Create forms for prospect information, property registration information, and other data entry points to provide user-friendly and clear interactions.
4. Security system
 - i. To restrict access to the system by setting up the login procedures such as username-password combinations.
5. Reporting and analytic
 - i. Create statistics, sales reports, and other relevant data for property sales analysis by developing report templates and layouts.
6. Software system testing
 - i. To verify system functioning and reliability, plan and implement testing methods such as unit testing, integration testing, and user acceptance testing.

3.5 Security Requirement

The property sales registration system's integrity and security must be ensured. The security requirement of this system are as follows:

1. Username and password identification.
2. To reduce access, use role-based access control (RBAC).
3. Management of sessions to stop unauthorized access.

4.0 FINAL DESIGN

4.1 Logical Design

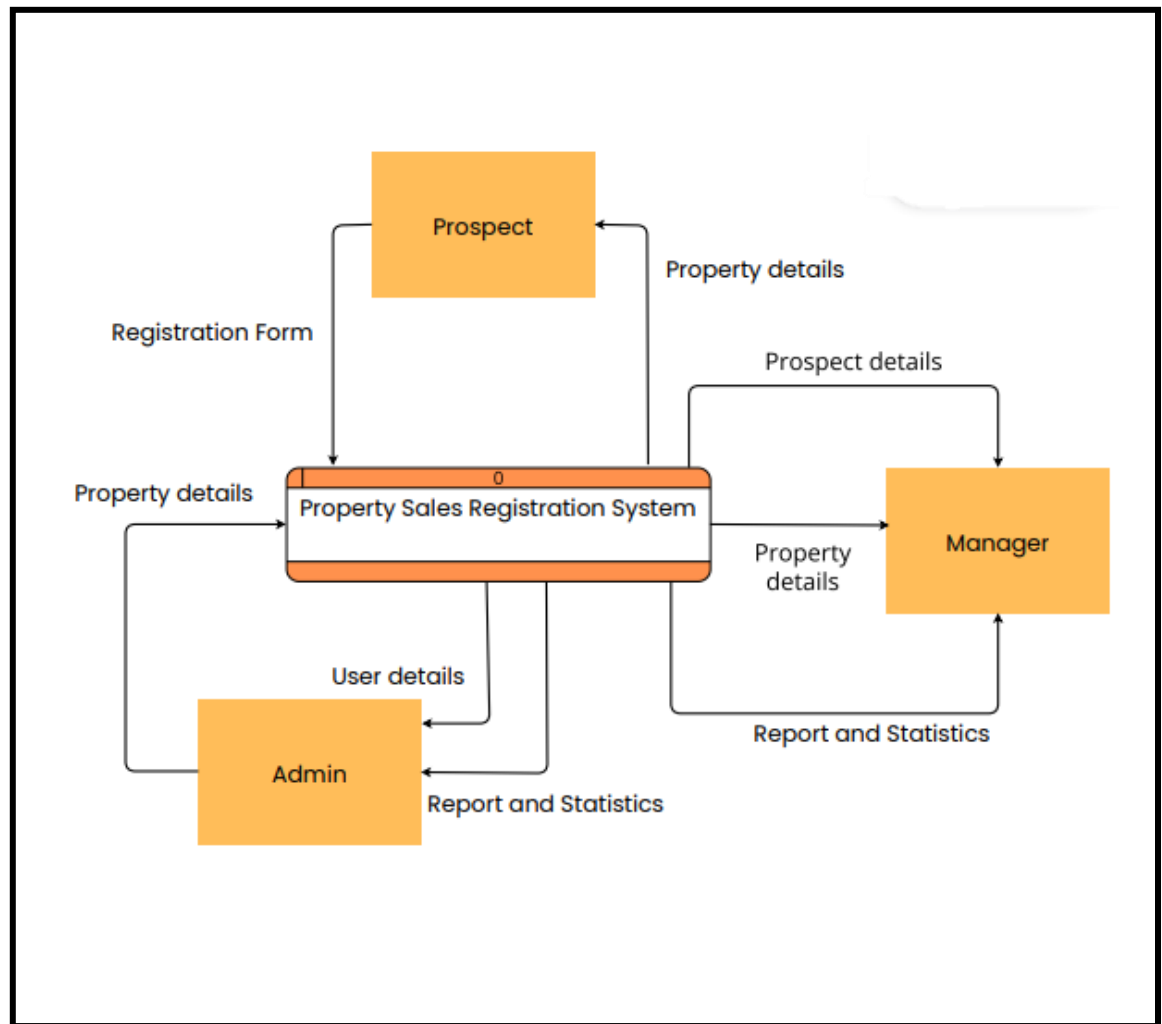


Figure 4.1.1 Data Flow Diagram – Context Diagram

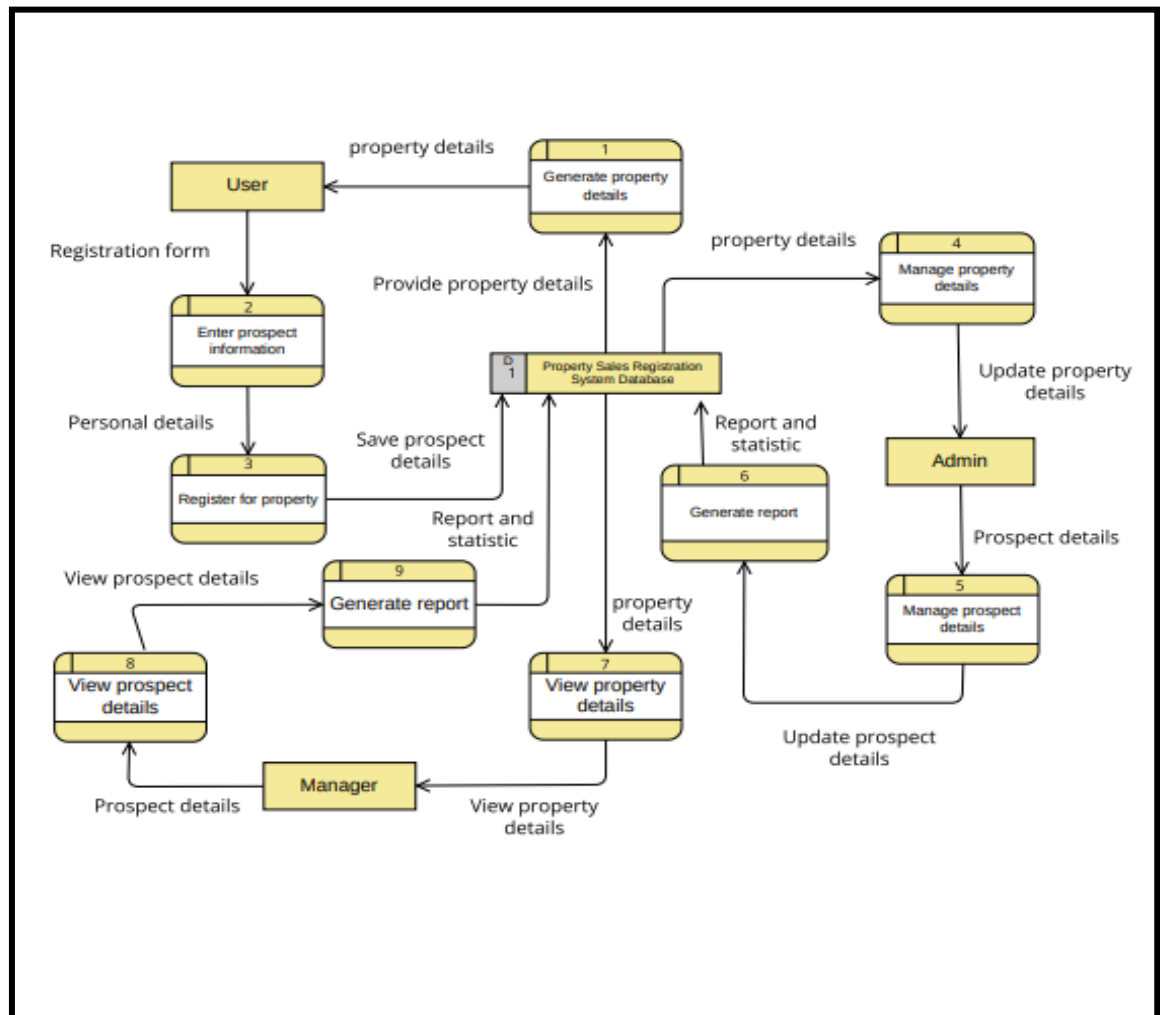


Figure 4.1.2 Data Flow Diagram – Diagram 0

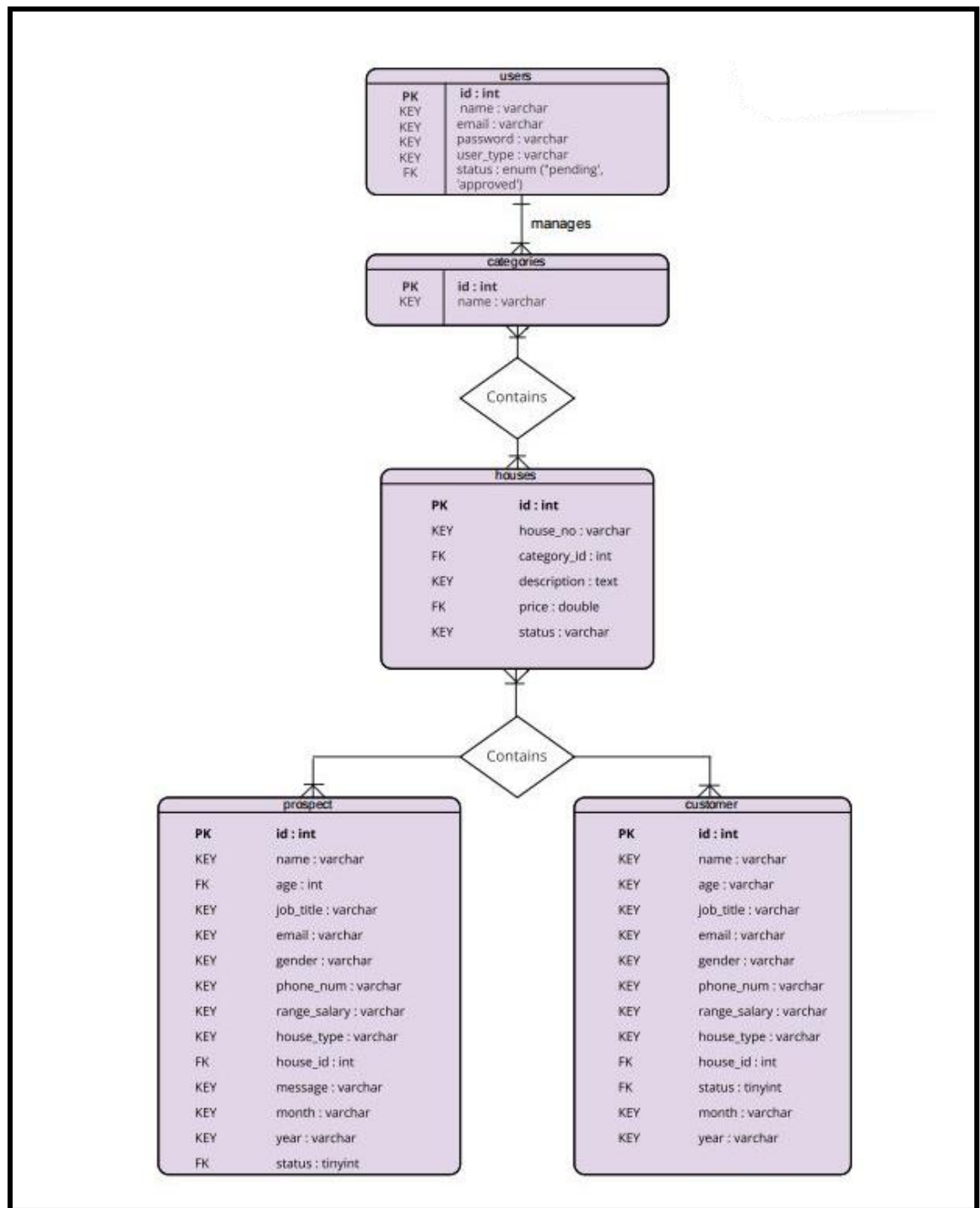


Figure 4.1.3 Database ERD

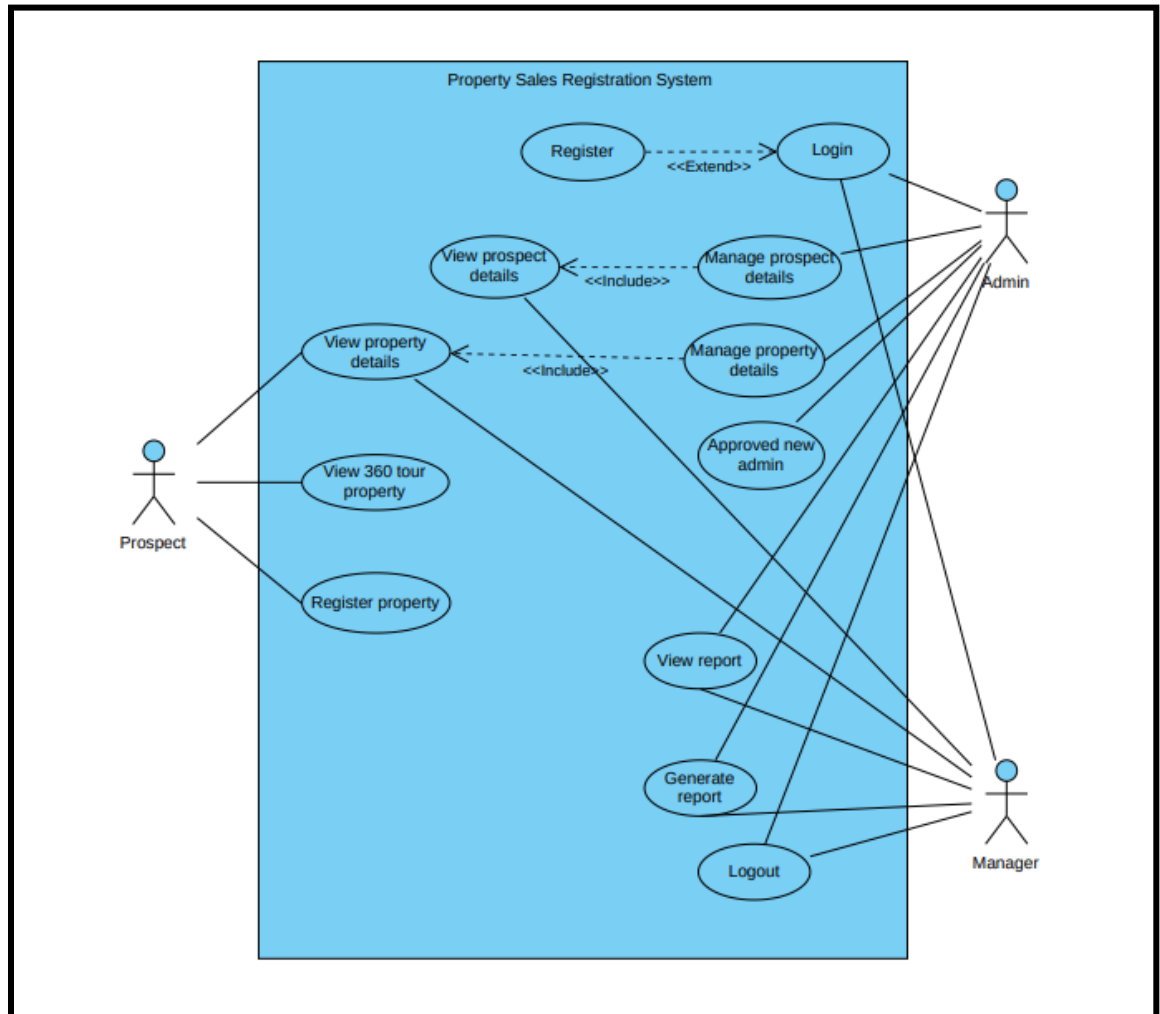


Figure 4.1.4 Use Case Diagram

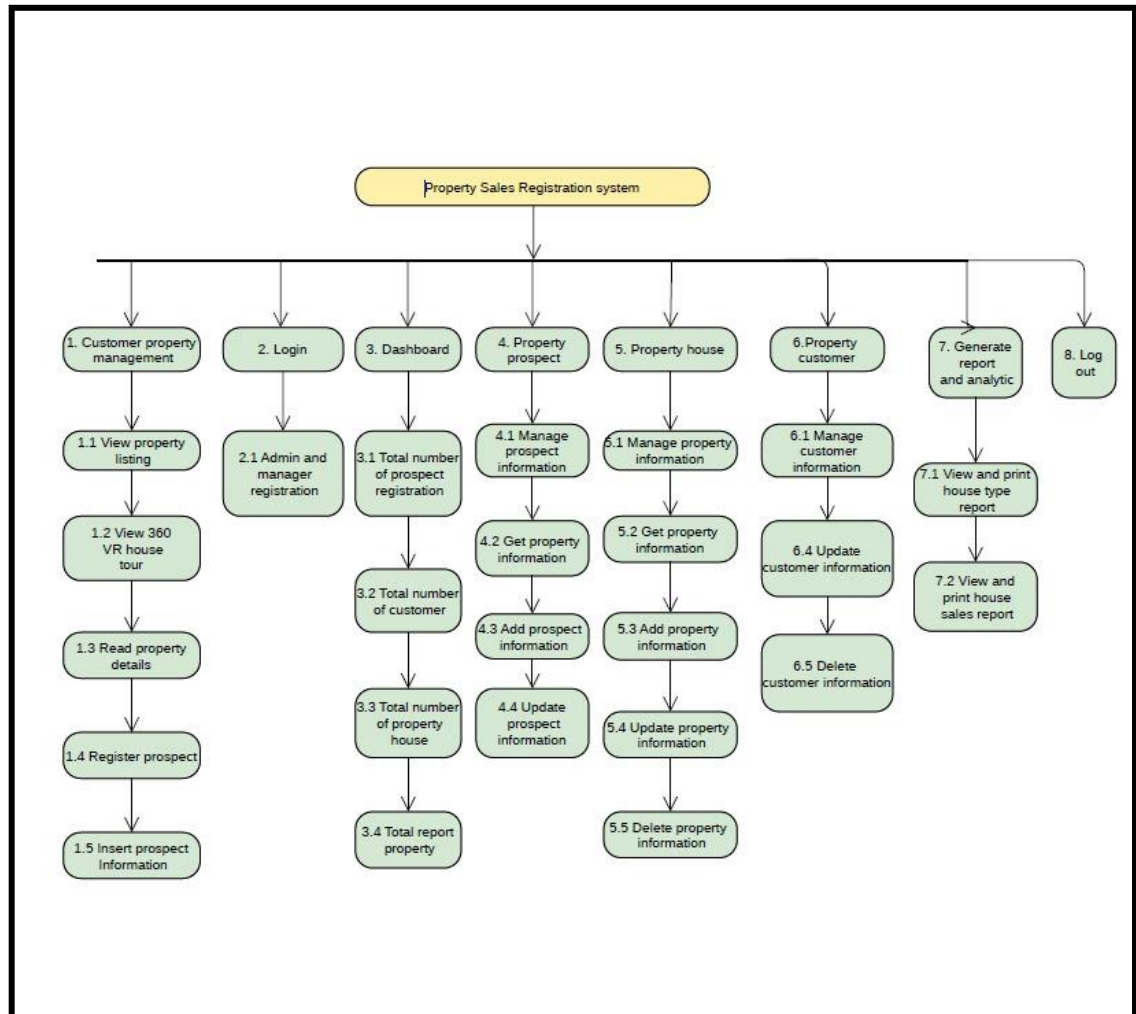
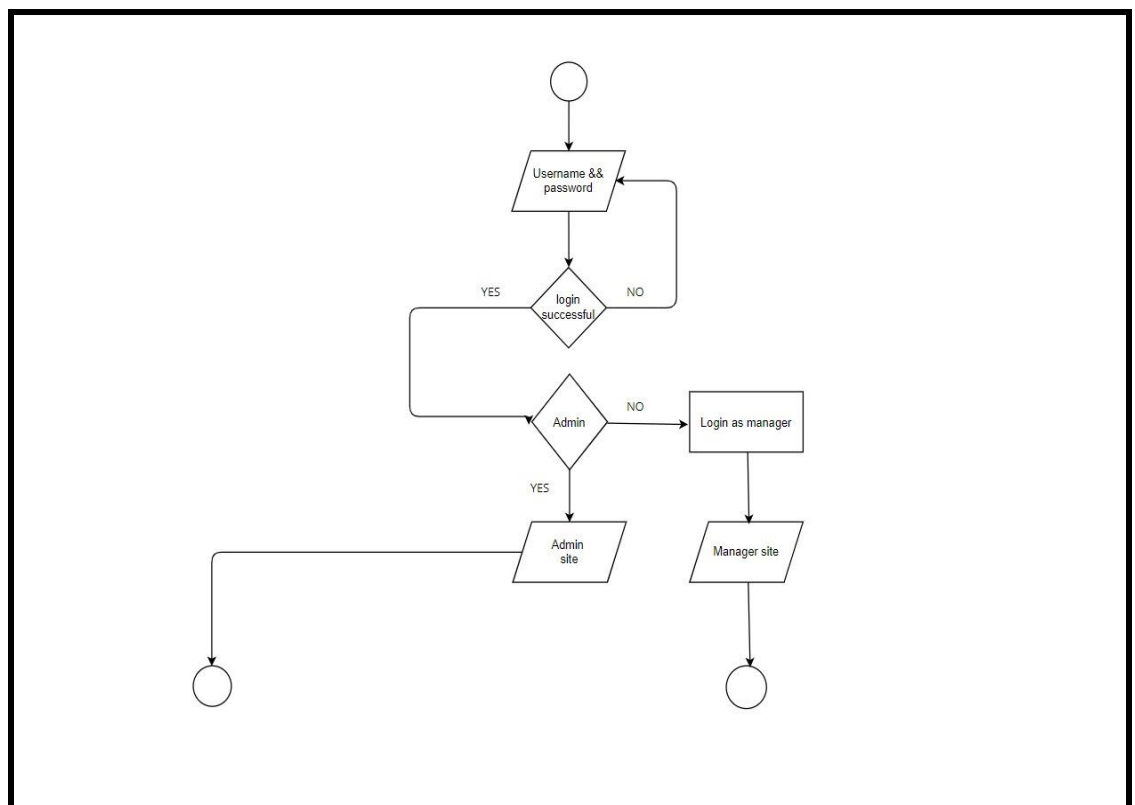
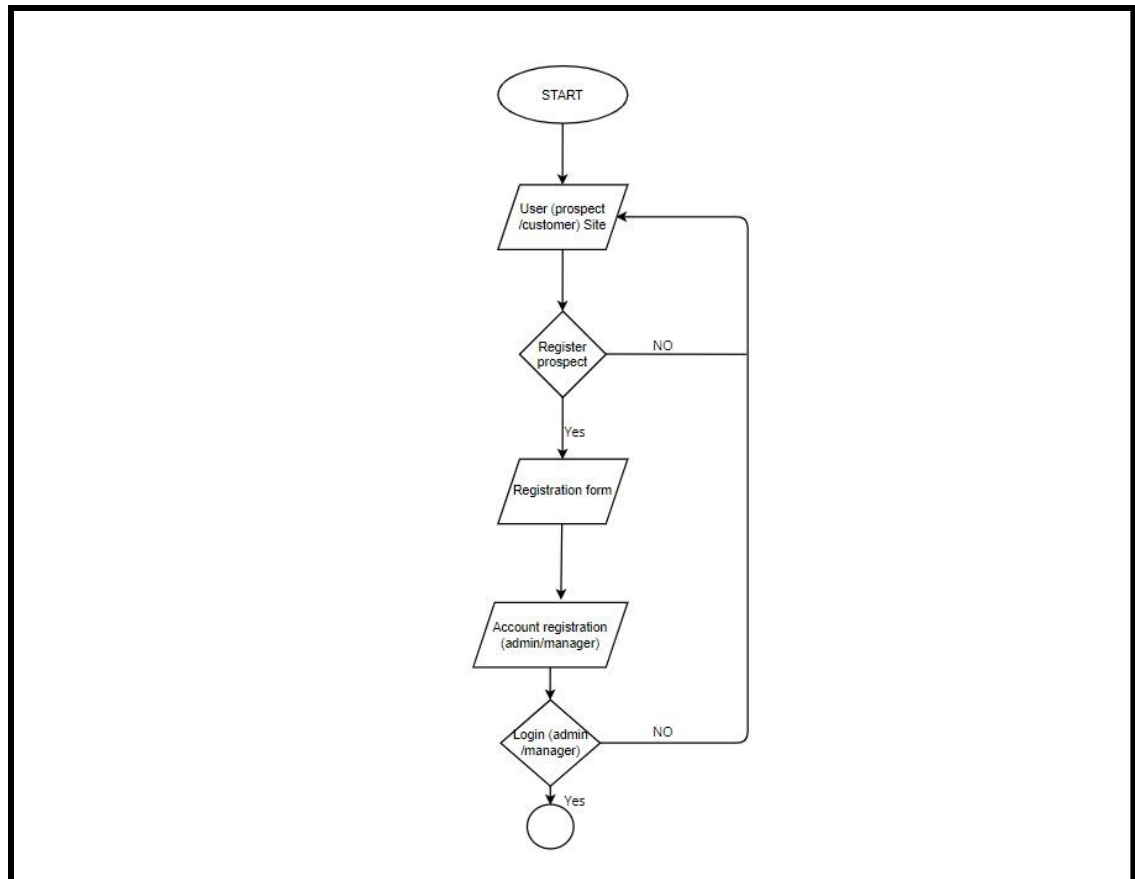


Figure 4.1.5 Functional Decomposition Diagram



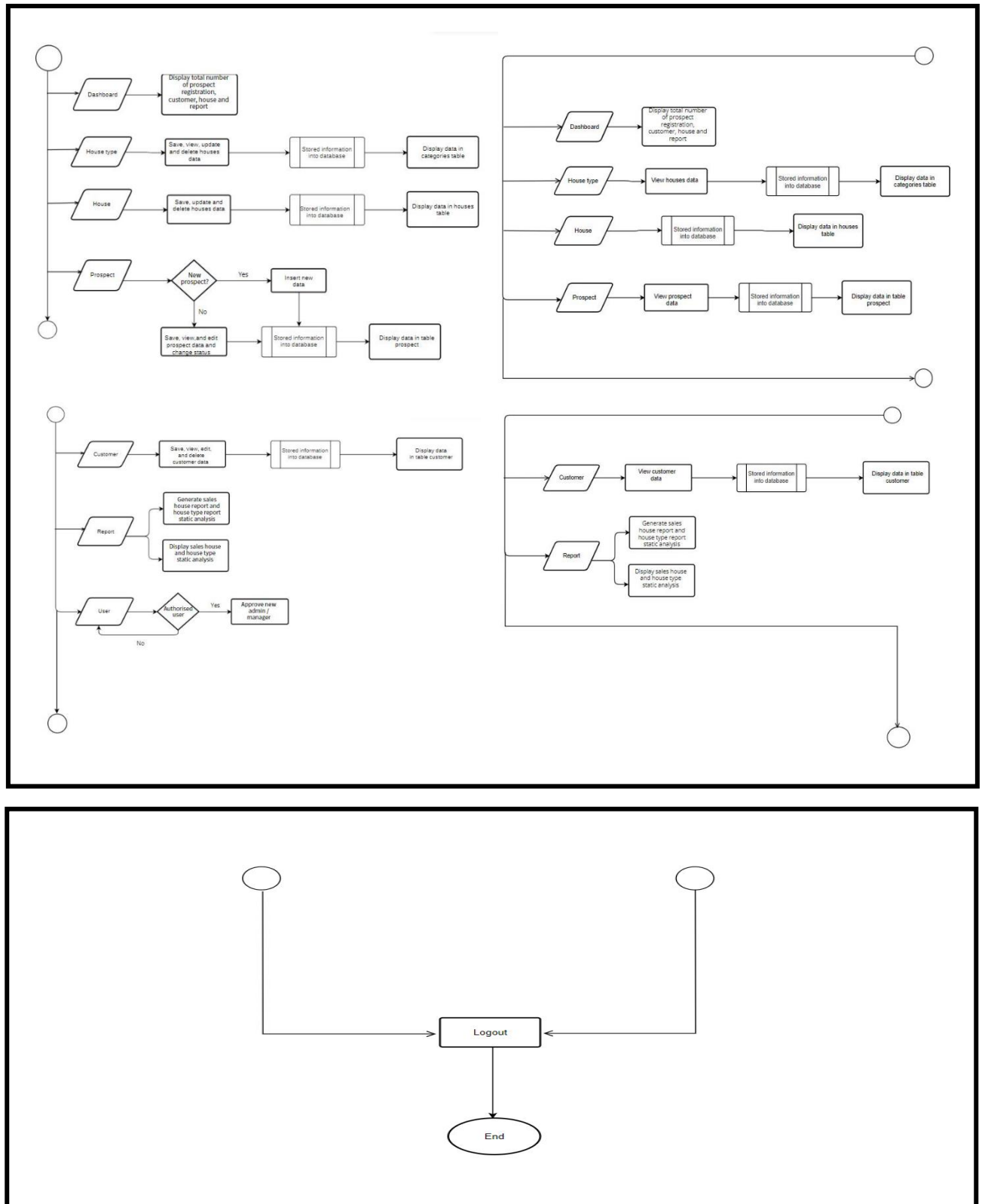


Figure 4.1.6 Flowchart – System Flowchart

4.2 Physical Design

This section provides the actual design of the developed system.

4.2.1 This is user (prospect/customer) interface to view and read property details and registered form.

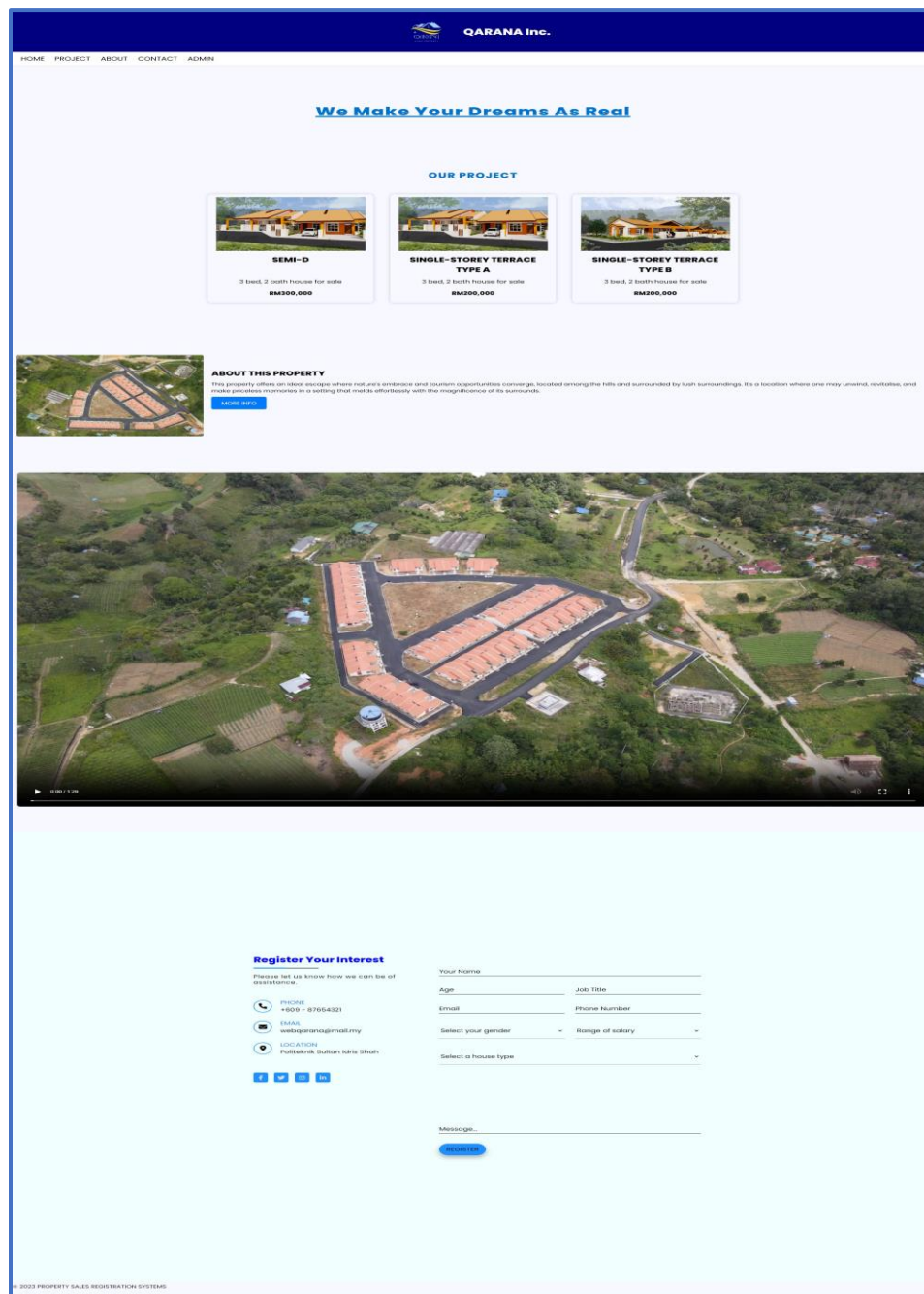


Figure 4.2.1 user interface home

4.2.2 This is user (prospect/customer) interface to view and read property details and registered form.

**QARANA Inc.**

HOME PROJECT ABOUT CONTACT ADMIN



SEMI D HOUSE

The semi-detached house features a charming facade with a well-maintained front garden and a driveway leading to the entrance. The exterior is aesthetically pleasing, with a blend of modern and traditional architectural elements. A semi-detached house with 3 bedrooms, 2 bathrooms, a kitchen, dining area, living room, terrace, and utility room offers a comfortable and well-rounded living environment, suitable for families or individuals who desire space and functionality.

View More360 VR Tour



SINGLE-STOREY TERRACE TYPE A HOUSE

The charming one-story terrace house is hidden away on a hilly lane. The outside architecture of the house blends artfully with the surroundings. The front entry is reached by ascending a few steps to a patio. The single-story terrace house, Type A, built on a hilly road, offers a comfortable and practical living environment that makes the most of the lovely surroundings with 3 bedrooms, 2 bathrooms, a kitchen, dining area, living room, terrace, and utility room.

View More360 VR Tour



SINGLE-STOREY TERRACE TYPE B HOUSE

The Type B single-story terrace house has a contemporary and minimalist design. The entrance is appealing enough for outside furniture or potted plants. The Type B single-story terrace house offers a modern and comfortable living space with 3 bedrooms, 2 bathrooms, a kitchen, dining area, living room, terrace, and utility room. It provides usable areas and incorporates contemporary design elements, making it a desirable choice for the people looking for a chic and practical house.

View More360 VR Tour

Register Your Interest

Please let us know how we can be of assistance.

PHONE
+609 - 87654321

EMAIL
webqarana@gmail.my

LOCATION
Politeknik Sultan Idris Shah



Your Name

AgeJob Title

EmailPhone Number

Select your genderRange of salary

Select a house type

Message...

REGISTER

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Figure 4.2.2 user interface project

4.2.3 This is user (prospect/customer) interface to view and read property details and registered form.


QARANA Inc.

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[PROJECT](#)
[ABOUT](#)
[CONTACT](#)
[ADMIN](#)



OUR DEVELOPMENT IN JANDA BAIK



The semi-detached home has a nice front, an outside yard that is kept up, and a driveway that leads to the front door. The outside has an appealing style, combining both contemporary and conventional architectural aspects.

350 YR Year



Bedrooms:

- o The house includes three spacious bedrooms, providing ample space for family members or guests.
- o The master bedroom is usually the largest and may have an attached en-suite bathroom.
- o The other two bedrooms are well-sized and share a common bathroom.

Bathrooms:

- o There are two bathrooms in the house, one of which is an en-suite bathroom attached to the master bedroom.

Kitchen, Utility and Terrace:

- o Both bathrooms are equipped with modern fixtures, including a toilet, sink, and a shower depending on the design.
- o The kitchen is a functional space designed for cooking and food preparation.
- o Adjacent to the kitchen, there is a dedicated dining area where family and guests can gather for meals.
- o Adjacent to the kitchen, there is a dedicated dining area where family and guests can gather for meals.
- o The utility room serves as a practical space for laundry, storage, or housing household utilities.

Register Your Interest

Please let us know how we can be of assistance.


PHONE
+609 - 87654321


EMAIL
web@qarana@gmail.my


LOCATION
Puttasek Sultan Ismail Shah

Your Name
Age

Job Title
Email

Gender
Phone Number

Range of salary

Select a house type

Message

REGISTER

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Figure 4.2.3 user interface Semi-D

4.2.4 This is user (prospect/customer) interface to view 360 VR house tour.

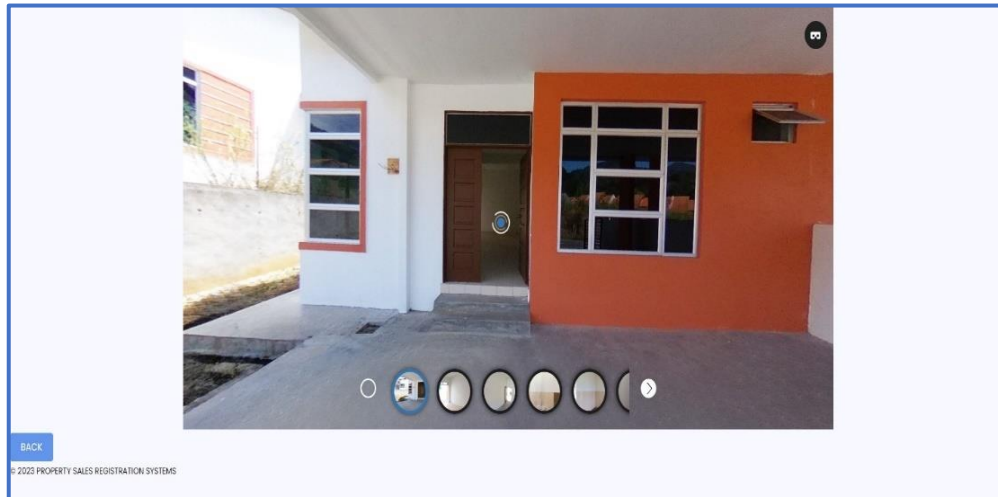


Figure 4.2.4 user interface 360 VR tour Semi-D

[illegible]

29

4.2.6 This is user (prospect/customer) interface to view 360 VR house tour.

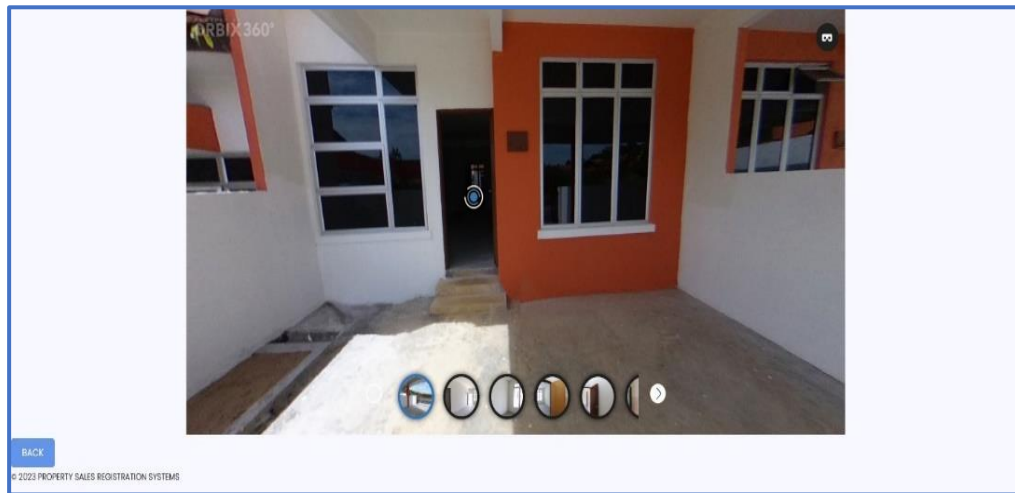


Figure 4.2.6 user interface 360 VR tour Terrace Type A

4.2.7 This is user (prospect/customer) interface to view and read property details and registered form.


QARANA Inc.

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OUR DEVELOPMENT IN JANDA BAIK



The Type B single-story terrace house has a sleek and modern design. The front outside is kept up, and the front has clear lines and big windows. The porch is covered, and there may be room for outdoor seats or potted plants at the building entrance.

[360° VR Tour](#)



GROUND FLOOR PLAN
Size: 10m x 10m

Bedrooms:

- o The house includes three spacious bedrooms, providing ample space for family members or guests.
- o The master bedroom is usually the largest and may have an attached en-suite bathroom.
- o The other two bedrooms are well-sized and share a common bathroom.

Bathrooms:

- o There are two bathrooms in the house, one of which is an en-suite bathroom attached to the master bedroom.
- o Both bathrooms are equipped with modern fixtures, including a toilet, sink, and a shower depending on the design.

Kitchen, Utility and Corridor:

- o The kitchen is a functional space designed for cooking and food preparation.
- o Adjacent to the kitchen, there is a dedicated dining area where family and guests can gather for meals.
- o Adjacent to the kitchen, there is a dedicated dining area where family and guests can gather for meals.
- o The utility room serves as a practical space for laundry, storage, or housing household utilities.

Register Your Interest

Please do not use browser back button to skip any of the information

 **PHONE**
 +609 - 87554321

 **EMAIL**
 web@qarana@gmail.my

 **LOCATION**
 Pudu/Kepong, Kuala Lumpur (Johor)






Your Name

Age Job Title

Email Phone Number

Select your gender Range of salary

Select a Finance type

Message

[REGISTER](#)

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Figure 4.2.7 user interface Terrace Type B

4.2.8 This is user (prospect/customer) interface to view 360 VR house tour.

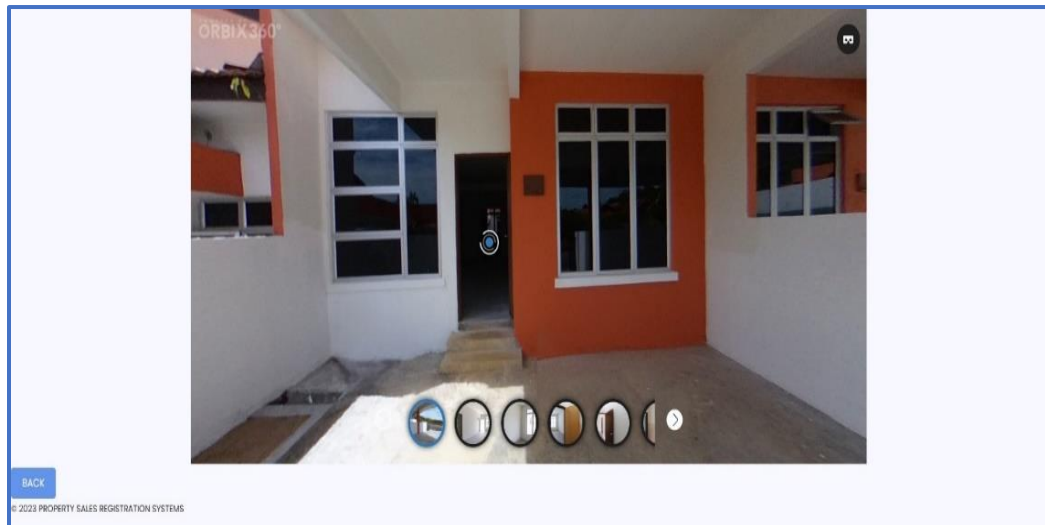


Figure 4.2.8 user interface 360 VR tour Terrace Type B

4.2.9 This is user (prospect/customer) interface to view and read property details and registered form.

The screenshot displays the user interface of the QARANA Inc. website. At the top, there is a dark blue header with the QARANA logo and the text 'QARANA Inc.'. Below the header is a navigation bar with links: HOME, PROJECT, ABOUT, CONTACT, and ADMIN. The main banner features a photograph of a residential building with a red roof and a stone wall. Overlaid on the banner is the text 'REGISTER NOW' and 'TAMAN PKMP BUKIT CHEMPERON'. Below the banner, the 'Register Your Interest' section is visible. It includes a heading 'Register Your Interest', a subheading 'Please let us know how we can be of assistance.', and contact information: PHONE (+609 - 8795432), EMAIL (webqarana@mail.my), and LOCATION (Politeknik Sultan Idris Shah). There are also social media icons for Facebook, Twitter, YouTube, and LinkedIn. To the right of the contact information is a registration form with fields for: Your Name, Age, Job Title, Email, Gender, Phone Number, Range of salary (dropdown), and Select a house type (dropdown). Below the form is a 'Message...' field and a 'REGISTER' button. At the bottom left, there is a copyright notice: '© 2023 PROPERTY SALES REGISTRATION SYSTEMS'.

QARANA Inc.

HOME PROJECT ABOUT CONTACT ADMIN

REGISTER NOW

TAMAN PKMP BUKIT CHEMPERON

Register Your Interest

Please let us know how we can be of assistance.

PHONE
+609 - 8795432

EMAIL
webqarana@mail.my

LOCATION
Politeknik Sultan Idris Shah

Facebook Twitter YouTube LinkedIn

Your Name _____ Age _____

Job Title _____ Email _____

Gender _____ Phone Number _____

Range of salary _____

Select a house type _____

Message... _____

REGISTER

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Figure 4.2.9 user interface contact

4.2.10 This is user (prospect/customer) interface to view and read property details and registered form.

QARANA Inc.

HOME PROJECT ABOUT CONTACT ADMIN

FIND YOUR FUTURE HOME HERE

The property is situated atop scenic hills, providing breathtaking panoramic views of the surrounding landscape at Janda Baik.

The property is nestled within a natural environment, with lush greenery, rolling hills, and possibly even nearby forests. The serene surroundings create a peaceful atmosphere, ideal for relaxation and rejuvenation.

Register Your Interest

Please fill in the form below and we will contact you at convenience.

PHONE: 1900 0795452
 EMAIL: info@qarana.com.my
 LOCATION: Putrajaya, Malaysia (near KLIA)

Facebook Twitter LinkedIn YouTube

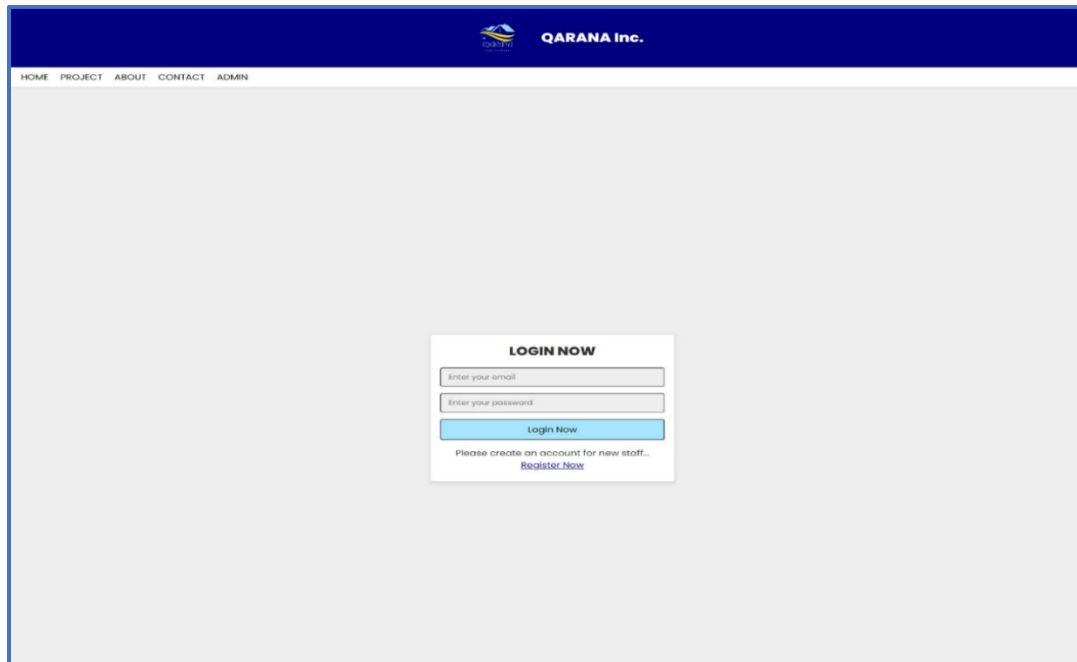
YOUR NAME: _____
 AGE: _____ JOB TITLE: _____
 EMAIL: _____
 Select your gender: ☐ Male ☐ Female ☐ Other
 Range of salary: _____
 Select a house type: _____

Message: _____
 REGISTER

© 2020 PROPERTY SALES REGISTRATION SYSTEM

Figure 4.2.10 user interface about

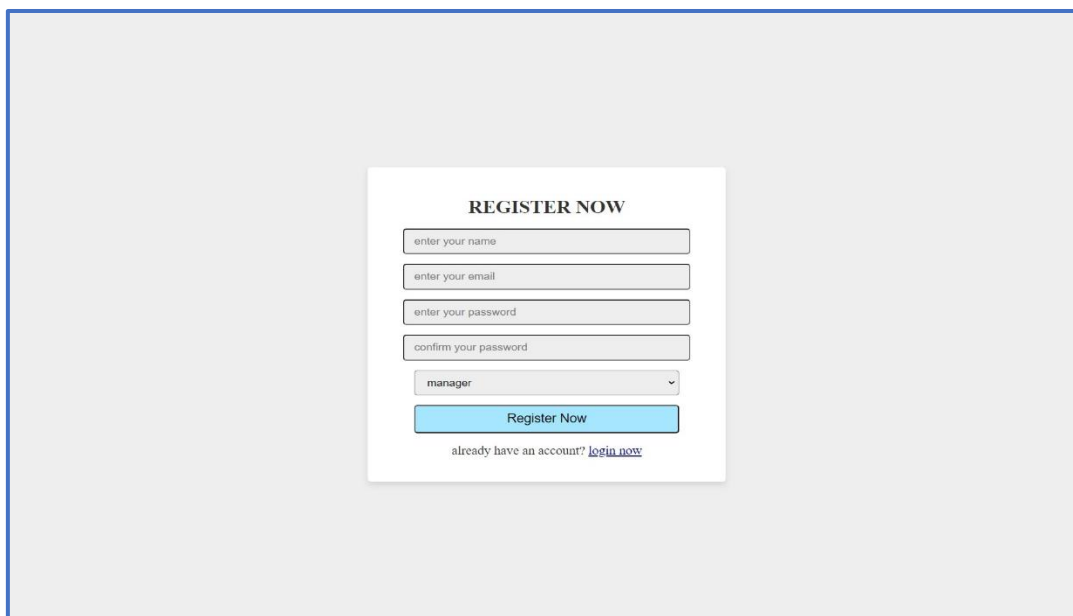
4.2.11 This is user (admin/manager) interface to log in in order to access the system



The screenshot shows a web browser window with a dark blue header. On the right side of the header is the QARANA Inc. logo and name. On the left side, there is a navigation menu with links: HOME, PROJECT, ABOUT, CONTACT, and ADMIN. The main content area is light gray and contains a white login form titled "LOGIN NOW". The form has two input fields: "Enter your email" and "Enter your password". Below these fields is a blue "Login Now" button. Under the button, there is a text prompt "Please create an account for new staff..." followed by a blue link "Register Now".

Figure 4.2.11 user interface log in

4.2.12 This is user (admin/manager) interface to register to create an account.



The screenshot shows a web browser window with a light gray background. In the center is a white registration form titled "REGISTER NOW". The form contains four input fields: "enter your name", "enter your email", "enter your password", and "confirm your password". Below these fields is a dropdown menu currently showing "manager". At the bottom of the form is a blue "Register Now" button. Below the button, there is a text prompt "already have an account?" followed by a blue link "login now".

Figure 4.2.12 user interface account registration

4.2.13 This is user (admin) interface admin dashboard.

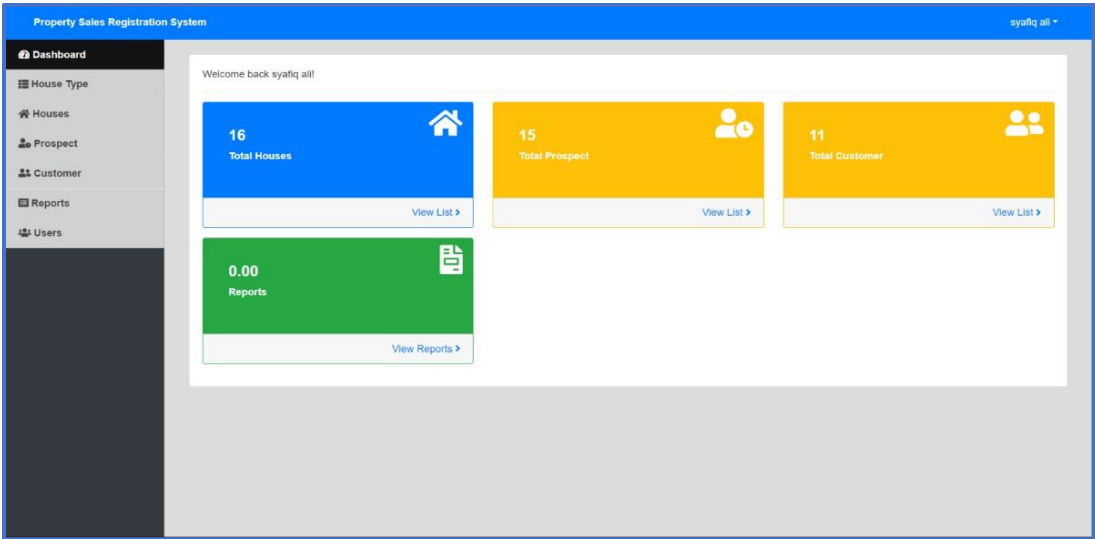


Figure 4.2.13 user interface dashboard

4.2.14 This is user (admin) interface to manage, view, update and delete house type information.

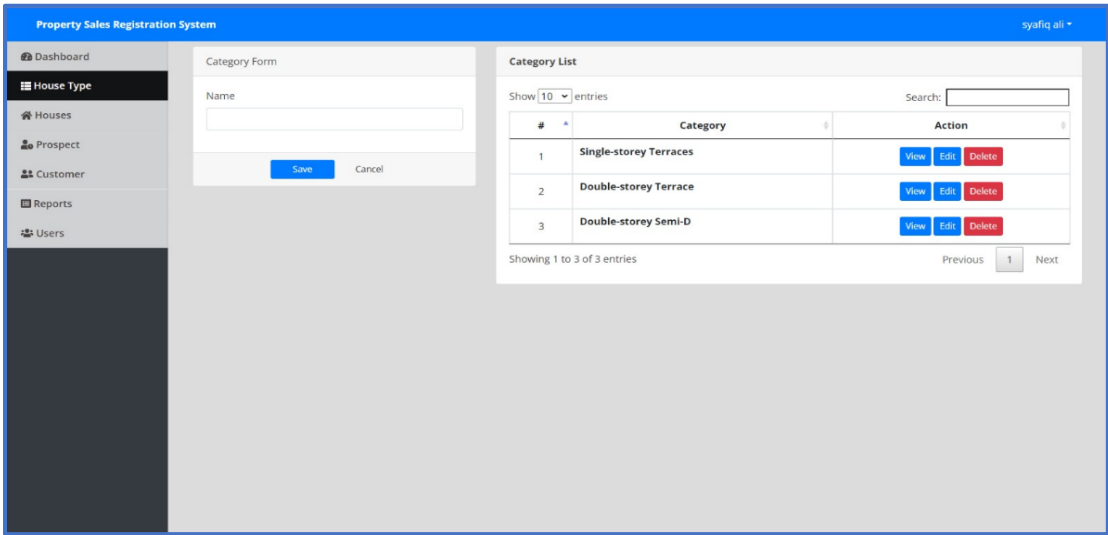


Figure 4.2.14 user interface house type

4.2.15 This is user (admin) interface to manage, add, update and delete house information.

Property Sales Registration System

House Form

House No:

Category:

Description:

Price:

Status:

House List

Show 10 entries

#	House	Action
1	HOUSE # B24 House Type: Single-storey Terraces Description: 3-Bedroom 2-Bathroom 1-Kitchen, dining, living room Price: RM150,000.00 Status: Available	Edit Delete
2	HOUSE # A23 House Type: Double-storey Terrace Description: 3-Bedroom 2-Bathroom 1-Kitchen, dining room, living room Price: RM200,000.00 Status: Available	Edit Delete
3	HOUSE # B14 House Type: Single-storey Terraces Description: 3-Bedroom 2-Bathroom 1-Kitchen, dining room, living room Price: RM150,000.00 Status: Available	Edit Delete
4	HOUSE # B09 House Type: Single-storey Terraces Description: 3-Bedroom 2-Bathroom 1-Kitchen, dining room, living room Price: RM150,000.00 Status: Available	Edit Delete
5	HOUSE # B11 House Type: Single-storey Terraces Description: 3-Bedroom 2-Bathroom 1-Kitchen, dining room, living room Price: RM150,000.00 Status: Available	Edit Delete
6	HOUSE # A08 House Type: Double-storey Terrace Description: 3-Bedroom 2-Bathroom 1-Kitchen, dining room, living room Price: RM200,000.00 Status: Available	Edit Delete
7	HOUSE # A10 House Type: Double-storey Terrace Description: 3-Bedroom 2-Bathroom 1-Kitchen, dining room, living room Price: RM200,000.00 Status: Available	Edit Delete
8	HOUSE # D05 House Type: Double-storey Semi-D Description: 3-Bedroom 2-Bathroom 1-Kitchen, dining room, terrace, utility Price: RM300,000.00 Status: Available	Edit Delete
9	HOUSE # D01 House Type: Double-storey Semi-D Description: 3-Bedroom 2-Bathroom 1-Kitchen, dining room, terrace, utility Price: RM300,000.00 Status: Available	Edit Delete
10	HOUSE # A24 House Type: Single-storey Terraces Description: 3-Bedroom 2-Bathroom 1-Kitchen, dining room, living room Price: RM150,000.00 Status: Available	Edit Delete

Showing 1 to 10 of 16 entries

Previous Next

Figure 4.2.15 user interface houses

4.2.16 This is user (admin) interface to manage, view, add, update and delete prospect information.

Property Sales Registration System

List of Prospect

Show 10 entries

#	Name	Age	Phone Number	Range Salary	House Type	Action	Status
1	Nur Aisyah Binti Razak	35	01374465234	RM 3000 - RM 5000	Single-storey Terrace	View Edit Approved	Approved
2	Rozita Mat Wak	31	0198765432	RM 3000 - RM 5000	Double-storey Semi-D	View Edit Approved	Approved
3	Azman Bin Senin	40	0134567289	RM 5000 - RM 10 000	Double-storey Semi-D	View Edit Approved	Approved
4	Mat Abu Bin Mat Ali	50	0109876543	RM 1500 - RM 3000	Double-storey Semi-D	View Edit Done	Done
5	Badariah Binti Sidek	45	0123456789	RM 1500 - RM 3000	Double-storey Terrace	View Edit Approved	Approved
6	Ahmad Ziyad Bin Rizwan	30	0129873456	RM 3000 - RM 5000	Double-storey Terrace	View Edit Pending	Pending
7	Lee Wong Yong	35	0132456789	RM 1500 - RM 3000	Double-storey Semi-D	View Edit Pending	Pending
8	Vinoth A/L Damen	29	018234567	RM 1500 - RM 3000	Double-storey Terrace	View Edit Approved	Approved
9	Wan Emir Bin Wan Azmi	29	0179823456	RM 5000 - RM 10 000	Double-storey Terrace	View Edit Approved	Approved
10	Nabilah Faina Binti Rosli	29	0132459876	RM 1500 - RM 3000	Double-storey Terrace	View Edit Approved	Approved

Showing 1 to 10 of 15 entries

Previous Next

Figure 4.2.16 user interface prospect

4.2.17 This is user (admin) interface to manage, view, update and delete customer information.

Property Sales Registration System

syafiq ah

Dashboard

House Type

Houses

Prospect

Customer

Reports

Users

List of Customer

Show 10 entries

Search

#	Name	House Type	House Rented	Range Salary	Monthly Rate	Month Registration	Year Registration	Action
1	Rozita Mat Wai	Double-storey Semi-D	D06	RM 3000 - RM 5000	300,000.00	March	2023	View Edit Delete
2	Azman Bin Serin	Double-storey Semi-D	D05	RM 5000 - RM 10 000	300,000.00	April	2023	View Edit Delete
3	Zubaidah Binti Zulkarnain	Double-storey Semi-D	D01	RM 3000 - RM 5000	300,000.00	April	2023	View Edit Delete
4	Muhd Haziq Bin Hisham	Single-storey Terrace	B27	RM 5000 - RM 10 000	200,000.00	March	2023	View Edit Delete
5	Badariah Binti Sidek	Double-storey Terrace	B24	RM 1500 - RM 3000	150,000.00	January	2023	View Edit Delete
6	Malique Bin Malik	Single-storey Terrace	B14	RM 20 000 - RM 25 000	150,000.00	April	2023	View Edit Delete
7	Nur Aisyah Binti Razak	Single-storey Terrace	B09	RM 3000 - RM 5000	150,000.00	February	2023	View Edit Delete
8	Vinoth A/L, Daman	Double-storey Terrace	A39	RM 1500 - RM 3000	200,000.00	April	2023	View Edit Delete
9	Nabillah Faima Binti Rosli	Double-storey Terrace	A24	RM 1500 - RM 3000	150,000.00	April	2023	View Edit Delete
10	Wan Emir Bin Wan Azmi	Double-storey Terrace	A23	RM 5000 - RM 10 000	200,000.00	April	2023	View Edit Delete

Showing 1 to 10 of 11 entries

Previous 1 2 Next

Figure 4.2.17 user interface customer

4.2.18 This is user (admin) interface to view report information.

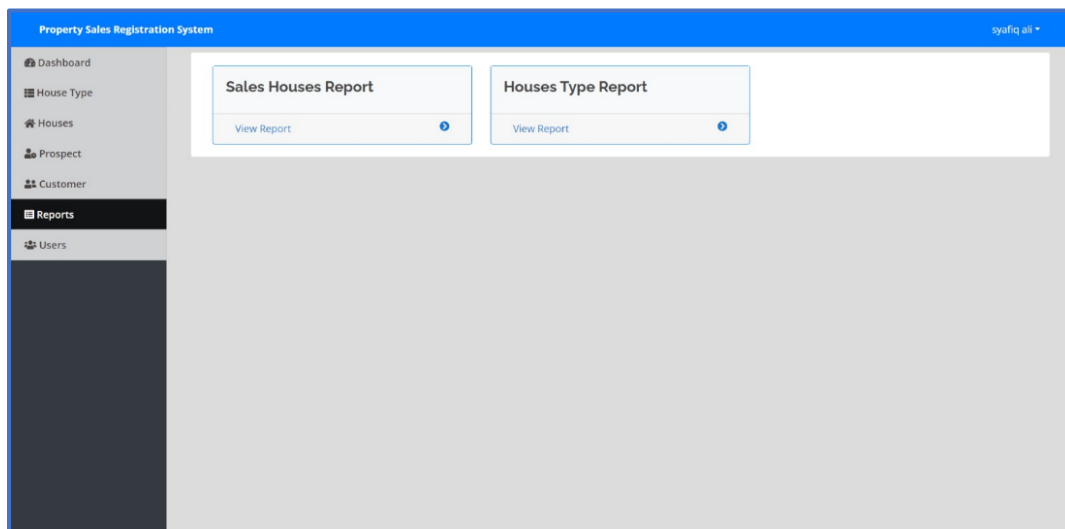


Figure 4.2.18 user interface report

4.2.19 This is user (admin) interface to view graph house sales information and able to generate report.

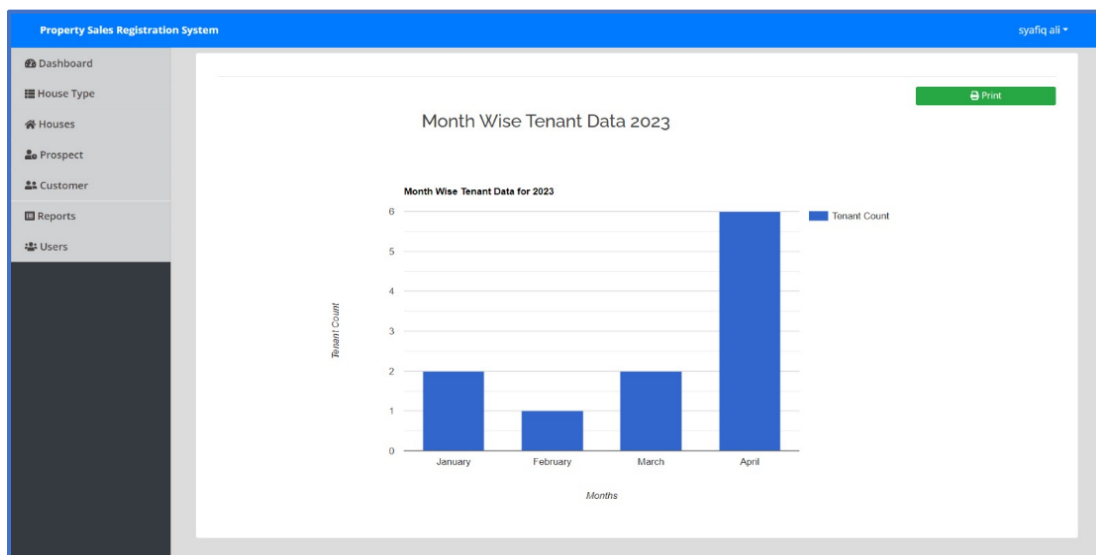


Figure 4.2.19 user interface report house sales

4.2.20 This is user (admin) interface to view pie chart house type information and able to generate report.

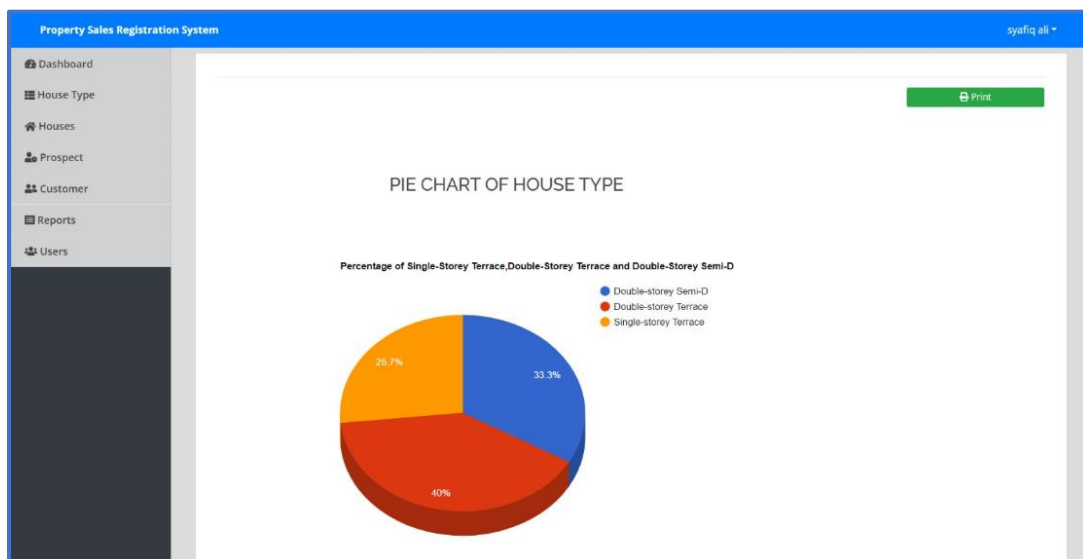
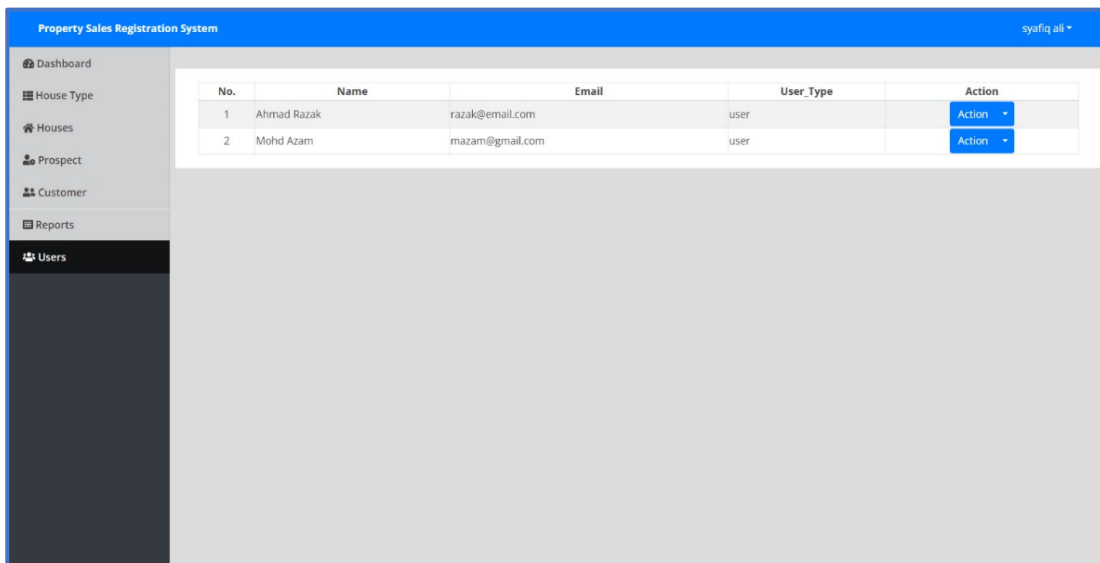


Figure 4.2.20 user interface report house types

4.2.21 This is user (admin) interface to view and make action to approve or deny new user registration.



Property Sales Registration System

syafiq ali

Dashboard

House Type

Houses

Prospect

Customer

Reports

Users

No.	Name	Email	User Type	Action
1	Ahmad Razak	razak@email.com	user	Action
2	Mohd Azam	mazam@gmail.com	user	Action

Figure 4.2.21 user interface users

4.2.22 This is user (manager) interface admin dashboard.

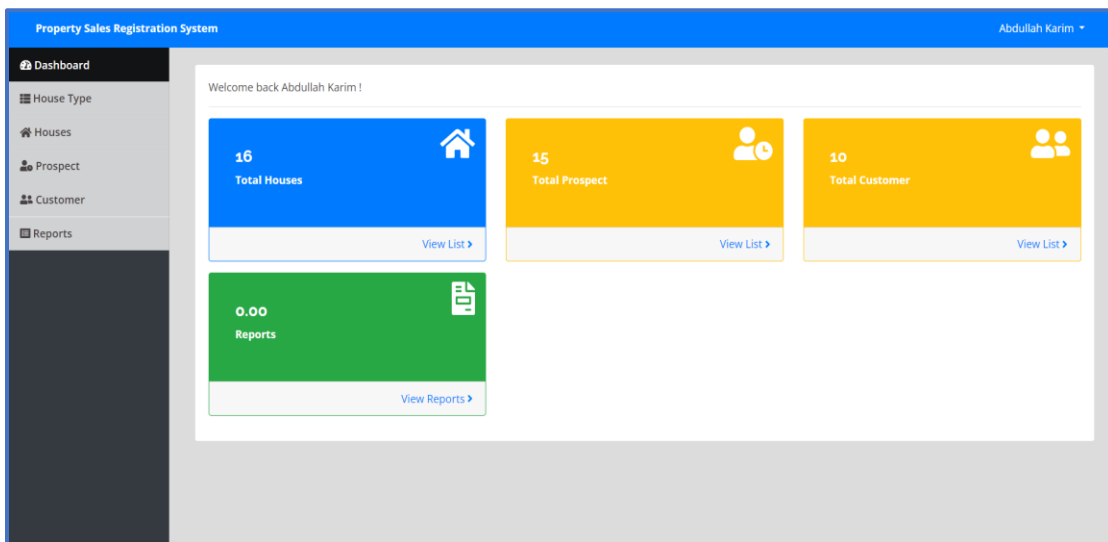


Figure 4.2.22 user interface dashboard

4.2.23 This is user (manager) interface to view house type information.

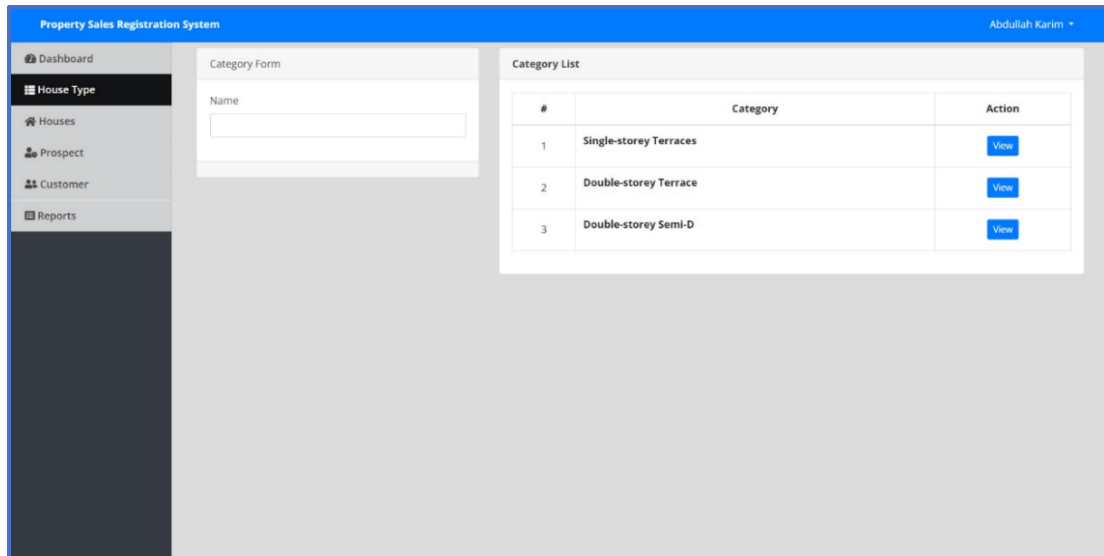


Figure 4.2.23 user interface houses type

4.2.24 This is user (manager) interface to view house information.

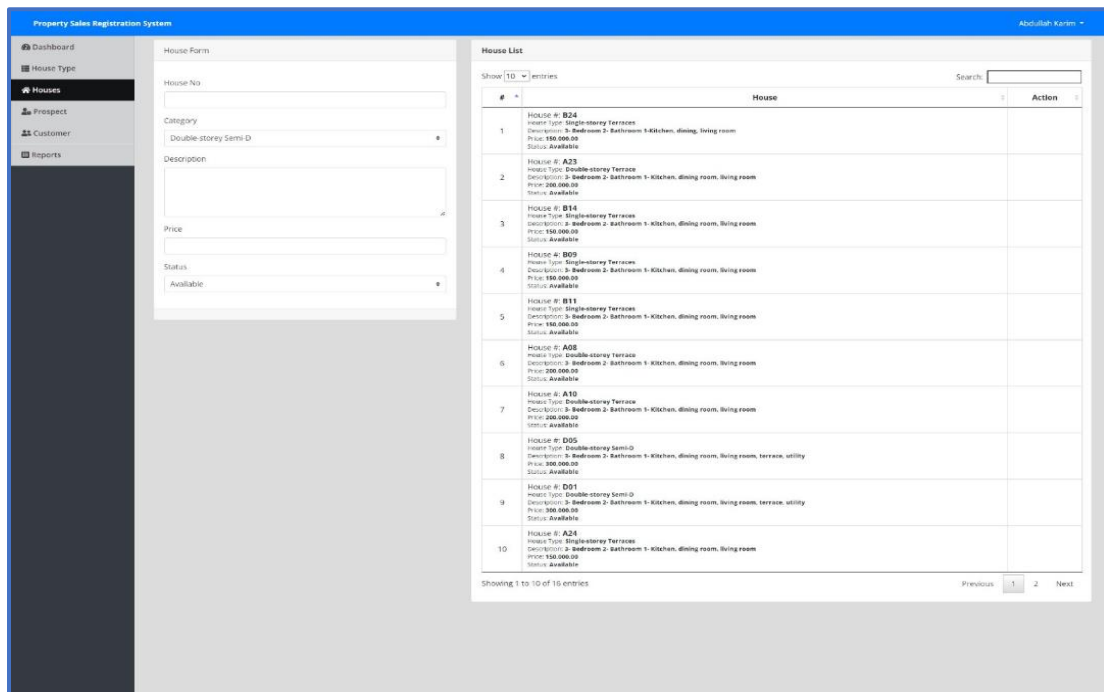


Figure 4.2.24 user interface houses

4.2.25 This is user (manager) interface to view prospect information.

Property Sales Registration System

Abdullah Karim

Dashboard
House Type
Houses
Prospect
Customer
Reports

List of Prospect

Show 10 entries

Search:

#	Name	Age	Phone Number	Range Salary	House Type	Action
1	Nur Aisyah Binti Razak	35	01374465234	RM 3000 - RM 5000	Single-storey Terrace	View
2	Rozita Mat Wak	31	0198765432	RM 3000 - RM 5000	Double-storey Semi-D	View
3	Azman Bin Senin	40	0134567289	RM 5000 - RM 10 000	Double-storey Semi-D	View
4	Mat Abu Bin Mat Ali	50	0109876543	RM 1500 - RM 3000	Double-storey Semi-D	View
5	Badariah Binti Sidek	45	0123456789	RM 1500 - RM 3000	Double-storey Terrace	View
6	Ahmad Ziyad Bin Rizwan	30	0129873456	RM 3000 - RM 5000	Double-storey Terrace	View
7	Lee Wong Yong	35	0132456789	RM 1500 - RM 3000	Double-storey Semi-D	View
8	Vinoth A/L Damen	29	018234567	RM 1500 - RM 3000	Double-storey Terrace	View
9	Wan Emir Bin Wan Azmi	29	0179823456	RM 5000 - RM 10 000	Double-storey Terrace	View
10	Nabilah Faina Binti Rosli	29	0132459876	RM 1500 - RM 3000	Double-storey Terrace	View

Showing 1 to 10 of 15 entries

Previous 1 2 Next

Figure 4.2.25 user interface prospect

4.2.26 This is user (manager) interface to view customer information.

Property Sales Registration System

Abdullah Karim

Dashboard
House Type
Houses
Prospect
Customer
Reports

List of Customer

Show 10 entries

Search:

#	Name	House Type	House Rented	Range Salary	Monthly Rate	Month Registration	Year Registration	Action
1	Rozita Mat Wak	Double-storey Semi-D	D08	RM 3000 - RM 5000	300,000.00	March	2023	View
2	Azman Bin Senin	Double-storey Semi-D	D05	RM 5000 - RM 10 000	300,000.00	April	2023	View
3	Zubaidah Binti Zukarnain	Double-storey Semi-D	D01	RM 3000 - RM 5000	300,000.00	April	2023	View
4	Muhammad Haziq Bin Hisham	Single-storey Terrace	B27	RM 5000 - RM 10 000	200,000.00	March	2023	View
5	Badariah Binti Sidek	Double-storey Terrace	B24	RM 1500 - RM 3000	150,000.00	January	2023	View
6	Melique Bin Malik	Single-storey Terrace	B14	RM 20 000 - RM 25 000	150,000.00	April	2023	View
7	Nur Aisyah Binti Razak	Single-storey Terrace	B09	RM 3000 - RM 5000	150,000.00	February	2023	View
8	Vinoth A/L Damen	Double-storey Terrace	A39	RM 1500 - RM 3000	200,000.00	April	2023	View
9	Nabilah Faina Binti Rosli	Double-storey Terrace	A24	RM 1500 - RM 3000	150,000.00	April	2023	View
10	Wan Emir Bin Wan Azmi	Double-storey Terrace	A23	RM 5000 - RM 10 000	200,000.00	April	2023	View

Showing 1 to 10 of 11 entries

Previous 1 2 Next

Figure 4.2.26 user interface customer

4.2.27 This is user (manager) interface to view report information.

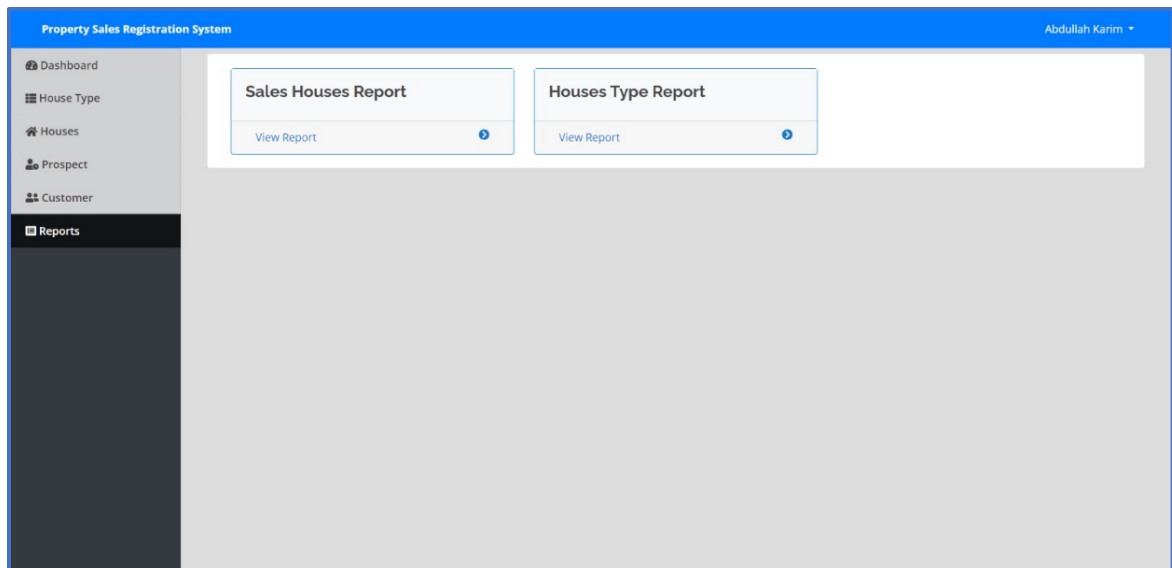


Figure 4.2.27 user interface report

4.2.28 This is user (admin/manager) interface to view graph house sales information and able to generate report.

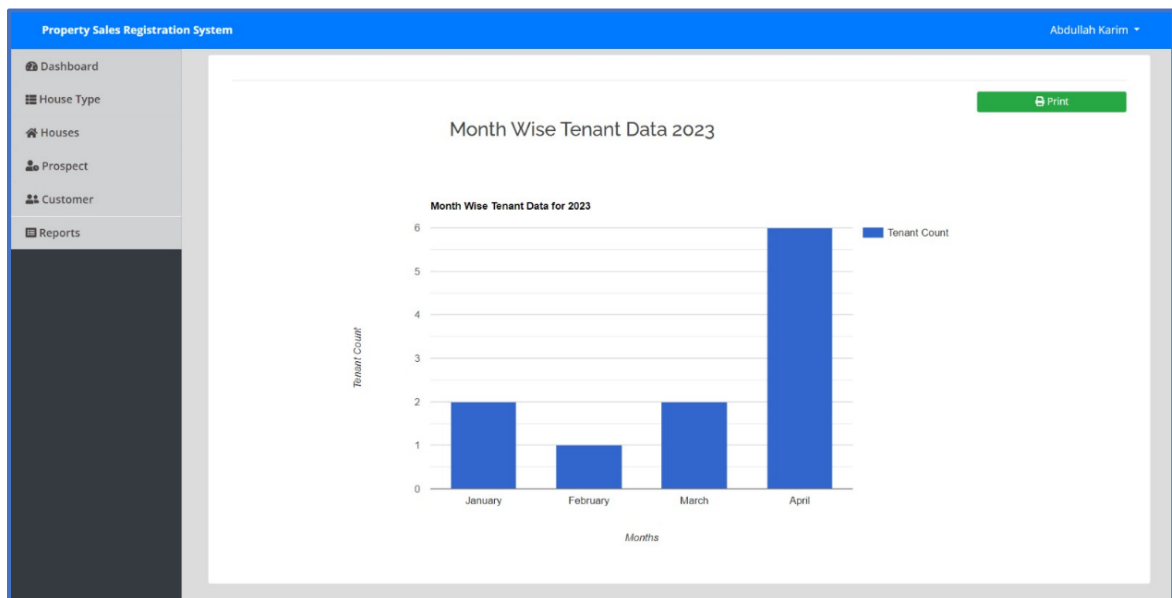


Figure 4.2.28 user interface house sales report

4.2.29 This is user (manager) interface to view pie chart house type information and able to generate report.

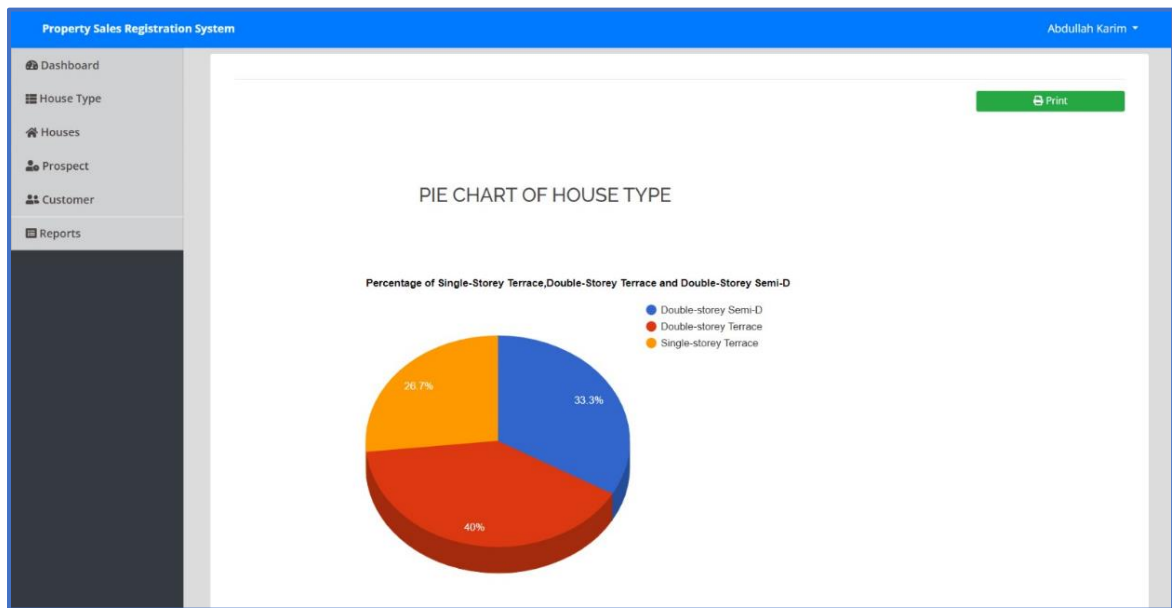


Figure 4.2.29 user interface house types report

5.0 TEST DESCRIPTION AND RESULTS

5.1 Unit Testing Plan

5.1.1 User Page

UNIT TESTING PLAN						
HOMEPAGE						
No	Test Case Name	Test Procedure	Pre-condition	Expected Result	Tester	Result (Pass/Fail)
1	Navigation Bar "HOME"	User is required to click on navigation bar "HOME"	None	Stay in home page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
2	Navigation Bar "PROJECT"	User is required to click on navigation bar "PROJECT"	None	Redirect to project page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
3	Navigation Bar "ABOUT"	User is required to click on navigation bar "ABOUT"	None	Redirect go to about page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
4	Navigation Bar "CONTACT"	User is required to click on navigation bar "CONTACT"	None	Redirect go to contact page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
5	Navigation Bar "ADMIN"	User not required to click on navigation bar "ADMIN"	Only admin required to enter email and password.	Redirect to login page for admin only.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
6	"MORE INFO" button	User is required to click on button "more info"	None	Redirect to about page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
7	Video	Users is required to click play video to view the video	None	User can see the property area through	Mr. Muhammad Syafiq Bin Mat Ali	Pass

				view the video		
8	“REGISTER” button	User is required to fill in the name, age, job title, email, phone number, gender, range of salary, house type and message.	User is required to fill all the form.	Message box “Your registration is successful. We will contact you shortly.” Would pop up.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
9	“Facebook” icon	User is required to click on icon to redirect to Facebook login.	User need to make sure email and password are correct before login button.	Redirect user to PKNP Facebook page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
10	“Twitter” icon	User is required to click on icon to redirect to Twitter login.	User need to make sure email and password are correct before login button.	Redirect user to PKNP Twitter page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
11	“Instagram” icon	User is required to click on icon to redirect to Instagram login.	User need to make sure email and password are correct before login button.	Redirect user to PKNP Instagram page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
12	“LinkedIn” icon	User is required to click on icon to redirect to Instagram login.	User need to make sure email and password are correct before login button.	Redirect user to PKNP LinkedIn page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
PROJECT						

13	Navigation Bar “HOME”	User is required to click on navigation bar “HOME”	None	Redirect to project page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
14	Navigation Bar “PROJECT”	User is required to click on navigation bar “PROJECT”	None	Stay in project page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
15	Navigation Bar “ABOUT”	User is required to click on navigation bar “ABOUT”	None	Redirect go to about page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
16	Navigation Bar “Contact”	User is required to click on navigation bar “CONTACT”	None	Redirect go to contact page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
17	Navigation Bar “ADMIN”	User not required to click on navigation bar “ADMIN “	Only admin required to enter email and password.	Redirect to login page for admin only.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
18	“View More” button	User is required to click on “view more “ button.	None	Redirect to property details such as bedroom, bathroom , kitchen, utility, and terrace.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
19	“360 VR Tour” button	User is required to click on “360 VR Tour” button.	User needs a fast internet source to view the 360 VR tour	Redirect to 360 VR tour page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
20	“Back” button	User is required to click on “back “ button	User need to click back button to return on	Redirect to project page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass

			project page.			
21	“REGISTER” button	User is required to fill in the name, age, job title, email, phone number, gender, range of salary, house type and message.	User is required to fill all the form.	Message box “Your registration is successful. We will contact you shortly.” Would pop up.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
22	“Facebook” icon	User is required to click on icon to redirect to Facebook login.	User need to make sure email and password are correct before login button.	Redirect user to PKNP Facebook page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
23	“Twitter” icon	User is required to click on icon to redirect to Twitter login.	User need to make sure email and password are correct before login button.	Redirect user to PKNP Twitter page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
24	“Instagram” icon	User is required to click on icon to redirect to Instagram login.	User need to make sure email and password are correct before login button.	Redirect user to PKNP Instagram page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
25	“LinkedIn” icon	User is required to click on icon to redirect to Instagram login.	User need to make sure email and password are correct before login button.	Redirect user to PKNP LinkedIn page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
ABOUT						

26	Navigation Bar “HOME”	User is required to click on navigation bar “HOME”	None	Redirect to project page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
27	Navigation Bar “PROJECT”	User is required to click on navigation bar “PROJECT”	None	Redirect to project page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
28	Navigation Bar “ABOUT”	User is required to click on navigation bar “ABOUT”	None	Stay in about page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
29	Navigation Bar “Contact”	User is required to click on navigation bar “CONTACT”	None	Redirect go to contact page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
30	Navigation Bar “ADMIN”	User not required to click on navigation bar “ADMIN “	Only admin required to enter email and password.	Redirect to login page for admin only.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
31	Location	User is required to click on “View Larger map” on the map.	None	Redirect to location on google map	Mr. Muhammad Syafiq Bin Mat Ali	Pass
32	“REGISTER” button	User is required to fill in the name, age, job title, email, phone number, gender, range of salary, house type and message.	User is required to fill all the form.	Message box “Your registration is successful. We will contact you shortly.” Would pop up.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
33	“Facebook” icon	User is required to click on icon to redirect to	User need to make sure email and	Redirect user to PKNP	Mr. Muhammad Syafiq Bin Mat Ali	Pass

		Facebook login.	password are correct before login button.	Facebook page.		
34	“Twitter” icon	User is required to click on icon to redirect to Twitter login.	User need to make sure email and password are correct before login button.	Redirect user to PKNP Twitter page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
35	“Instagram” icon	User is required to click on icon to redirect to Instagram login.	User need to make sure email and password are correct before login button.	Redirect user to PKNP Instagram page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
36	“LinkedIn” icon	User is required to click on icon to redirect to Instagram login.	User need to make sure email and password are correct before login button.	Redirect user to PKNP LinkedIn page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
CONTACT						
37	Navigation Bar “HOME”	User is required to click on navigation bar “HOME”	None	Redirect to home page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
38	Navigation Bar “PROJECT”	User is required to click on navigation bar “PROJECT”	None	Redirect to project page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
39	Navigation Bar “ABOUT”	User is required to click on	None	Redirect go to about page	Mr. Muhammad	Pass

		navigation bar “ABOUT”			Syafiq Bin Mat Ali	
40	Navigation Bar “Contact”	User is required to click on navigation bar “CONTACT”	None	Stay in contact page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
41	Navigation Bar “ADMIN”	User not required to click on navigation bar “ADMIN “	Only admin required to enter email and password.	Redirect to login page for admin only.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
42	“REGISTER ” button	User is required to fill in the name, age, job title, email, phone number, gender, range of salary, house type and message.	User is required to fill all the form.	Message box “Your registration is successful. We will contact you shortly.” Would pop up.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
43	“Facebook” icon	User is required to click on icon to redirect to Facebook login.	User need to make sure email and password are correct before login button.	Redirect user to PKNP Facebook page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
44	“Twitter” icon	User is required to click on icon to redirect to Twitter login.	User need to make sure email and password are correct before login button.	Redirect user to PKNP Twitter page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
45	“Instagram” icon	User is required to click on icon to redirect to	User need to make sure email and password	Redirect user to PKNP Instagram page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass

		Instagram login.	are correct before login button.			
46	“LinkedIn” icon	User is required to click on icon to redirect to Instagram login.	User need to make sure email and password are correct before login button.	Redirect user to PKNP LinkedIn page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
ADMIN						
47	Navigation Bar “HOME”	User is required to click on navigation bar “HOME”	None	Redirect to home page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
48	Navigation Bar “PROJECT”	User is required to click on navigation bar “PROJECT”	None	Redirect to project page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
49	Navigation Bar “ABOUT”	User is required to click on navigation bar “ABOUT”	None	Redirect go to about page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
50	Navigation Bar “Contact”	User is required to click on navigation bar “CONTACT”	None	Redirect go to contact page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
51	Navigation Bar “ADMIN”	User not required to click on navigation bar “ADMIN “	Only admin required to enter email and password.	Redirect to login page for admin only.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
52	“Login Now” button	User not required to click on navigation bar “ADMIN “	Only admin required to enter email and password.	Redirect to admin page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass

53	“Register Now” link	New admin and manager required to click on “Register Now” link	New admin and manager is required to fill in name, email, and password.	New admin and manager need to wait while admin approve or deny the registration.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
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Table 5.1.1 User Page

5.1.2 Admin Page

UNIT TESTING PLAN						
LOGIN						
No	Test Case Name	Test Procedure	Pre-condition	Expected Result	Tester	Result (Pass/Fail)
1	“Login Now” button	Admin is required to click login now button	Admin need to entered valid email and password	Admin successfully entered admin page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
DASHBOARD						
2	Navigation Bar “Dashboard”	Admin is required to click on navigation bar “Dashboard”	None	Stayin dashboard page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
3	Navigation Bar ”House Type”	Admin is required to click on navigation bar “House Type”	None	Redirect to House Type page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
4	Navigation Bar “Houses”	Admin is required to click on navigation bar “Houses”	None	Redirect to Houses page	Mr. Muhammad Syafiq Bin Mat Ali	Pass

5	Navigation Bar “Prospect”	Admin is required to click on navigation bar “Prospect”	None	Redirect to Prospect Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
6	Navigation Bar “Customer”	Admin is required to click on navigation bar “Customer”	None	Redirect to Customer Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
7	Navigation Bar “Reports”	Admin is required to click on navigation bar “Reports”	None	Redirect to Reports Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
8	Navigation Bar “Users”	Admin is required to click on navigation bar “Users”	None	Redirect to Users Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
9	“View List” link	Admin is required to click on view list	Total of houses after inserted will be appear	Redirect to houses page to see more details of house that available and sold	Mr. Muhammad Syafiq Bin Mat Ali	Pass
10	“View List” link	Admin is required to click on view list	Total of prospect after inserted will be appear	Redirect to prospect page to see more details of prospect	Mr. Muhammad Syafiq Bin Mat Ali	Pass
11	“View List” link	Admin is required to click on view list	Total of customer after inserted will be appear	Redirect to customer page to see more details about customer	Mr. Muhammad Syafiq Bin Mat Ali	Pass
12	“View Report” link	Manager is required to click on view list	None	Redirect to report page to see sales houses report and houses type report	Mr. Muhammad Syafiq Bin Mat Ali	Pass
13	“Logout”	Admin is required to		Redirect to logout page	Mr. Muhammad	Pass

		click logout after settled			d Syafiq Bin Mat Ali	
HOUSE TYPE						
14	Navigation Bar "Dashboard"	Admin is required to click on navigation bar "Dashboard"	None	Redirect to Home page	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
15	Navigation Bar "House Type"	Admin is required to click on navigation bar "House Type"	None	Stay in house type page	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
16	Navigation Bar "Houses"	Admin is required to click on navigation bar "Houses"	None	Redirect to Houses page	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
17	Navigation Bar "Prospect"	Admin is required to click on navigation bar "Prospect"	None	Redirect to Prospect Page	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
18	Navigation Bar "Customer"	Admin is required to click on navigation bar "Customer"	None	Redirect to Customer Page	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
19	Navigation Bar "Reports"	Admin is required to click on navigation bar "Reports"	None	Redirect to Reports Page	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
20	Navigation Bar "Users"	Admin is required to click on navigation bar "Users"	None	Redirect to Users Page	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
21	"View" button	Admin is required to click view button	None	Redirect to house description page	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass

22	“Edit” button	Admin is required to click edit button if want to edit something fault.	Edit details will appear in category form	Edit details will be save into database.	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
23	“Delete” button	Admin is required to click delete button	If want to delete the data it the message box “Are you sure to delete this category?” “will pop up	The data successfully delete from database	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
24	“Save” button	Admin is required to click save button	Admin is required to fill in name to add new category	Successfully saved data will be entered into the database	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
25	“Cancel” button	Admin is required to click cancel button.	none	The data will not save into database	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
26	“Search” textbox	Admin is required to search something by type in textbox	None	The search will pop up	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
27	“Logout” button	Manager is required to click logout after settled	“you have been successfully logged out.” Will be appear	Redirect to logout page	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
HOUSES						
28	Navigation Bar “Dashboard”	Admin is required to click on navigation bar “Dashboard”	None	Redirect to dashboard page	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass

29	Navigation Bar "House Type"	Admin is required to click on navigation bar "House Type"	None	Redirect to House type page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
30	Navigation Bar "Houses"	Admin is required to click on navigation bar "Houses"	None	Stay in houses page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
31	Navigation Bar "Prospect"	Admin is required to click on navigation bar "Prospect"	None	Redirect to Prospect Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
32	Navigation Bar "Customer"	Admin is required to click on navigation bar "Customer"	None	Redirect to Customer Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
33	Navigation Bar "Reports"	Admin is required to click on navigation bar "Reports"	None	Redirect to Reports Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
34	Navigation Bar "Users"	Admin is required to click on navigation bar "Users"	None	Redirect to Users Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
35	"Edit" button	Admin is required to click edit button if want to edit something fault.	Edit details will appear in category form	Edit details will be saved into database.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
36	"Delete" button	Admin is required to click delete button	If want to delete the data it the message box "Are you sure to delete this category?" will pop up	The data successfully delete from database	Mr. Muhammad Syafiq Bin Mat Ali	Pass

37	“Save” button	Admin is required to click save button	Admin need to fill in house no, category, description, price and status before click save button	Successfully saved data will be entered into the database	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
38	“Cancel” button	Admin is required to click cancel button.	none	The data will not save into database	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
39	“Search” textbox	Admin is required to search something by type in textbox	None	The search will pop up	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
40	“Logout” button	Manager is required to click logout after settled	“you have been successfully logged out.” Will be appear	Redirect to logout page	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
PROSPECT						
41	Navigation Bar “Dashboard”	Admin is required to click on navigation bar “Dashboard”	None	Redirect to dashboard page	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
42	Navigation Bar ”House Type”	Admin is required to click on navigation bar “House Type”	None	Redirect to House Type page	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
43	Navigation Bar “Houses”	Admin is required to click on navigation bar “Houses”	None	Redirect to Houses page	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
44	Navigation Bar “Prospect”	Admin is required to click on	None	Stay in prospect page	Mr. Muhamm ad Syafiq	Pass

		navigation bar “Prospect”			Bin Mat Ali	
45	Navigation Bar “Customer”	Admin is required to click on navigation bar “Customer”	None	Redirect to Customer Page	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
46	Navigation Bar “Reports”	Admin is required to click on navigation bar “Reports”	None	Redirect to Reports Page	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
47	Navigation Bar “Users”	Admin is required to click on navigation bar “Users”	None	Redirect to Users Page	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
48	“View” button	Admin is required to “click view “ button	None	Redirect to prospect details	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
49	“Close” button	Admin is required to click close button	None	Prospect details will be closed	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
50	“Edit” button	Admin is required to click edit button if want to edit something fault.	Edit details will appear in manage prospect details form	Edit details will be saved into database.	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
51	“Save” button	Admin is required to click save button	Admin is required to fill in the name, age, job title, email, gender, phone number, range salary, house type,	Successfully saved data will be entered into the database and will be pending	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass

			message, house, month registration and year registration before click save button			
52	“Cancel” button	Admin is required to click cancel button.	none	The data will not save into database	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
53	“New Prospect” button	Admin is required to click new prospect button	Admin is required to fill in the name, age, job title, email, gender, phone number, range salary, house type, message, house, month registration and year registration before click save button	Successfully saved data will be entered into the database and the status will be pending	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
54	“Search” textbox	Admin is required to search something by type in textbox	None	The search will pop up	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
55	“Status” drop down	Admin is required to click status drop down such as pending,	Need to fill in new prospect form first	The status will be automatically for new prospect as pending and if change to	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass

		done, and approve		approved it will auto send data to customer page. Then done status when admin has been done called the prospect and pending when admin not take any action yet.		
56	"Logout" button	Admin is required to click logout after settled	"you have been successfully logged out." Will be appear	Redirect to logout page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
CUSTOMER						
57	Navigation Bar "Dashboard"	Admin is required to click on navigation bar "Dashboard"	None	Redirect to dashboard page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
58	Navigation Bar "House Type"	Admin is required to click on navigation bar "House Type"	None	Redirect to House Type page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
59	Navigation Bar "Houses"	Admin is required to click on navigation bar "Houses"	None	Redirect to Houses page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
60	Navigation Bar "Prospect"	Admin is required to click on navigation bar "Prospect"	None	Redirect to prospect Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
61	Navigation Bar "Customer"	Admin is required to click on navigation bar "Customer"	None	Stay in customer page	Mr. Muhammad Syafiq Bin Mat Ali	Pass

62	Navigation Bar “Reports”	Admin is required to click on navigation bar “Reports”	None	Redirect to Reports Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
63	Navigation Bar “Users”	Admin is required to click on navigation bar “Users”	None	Redirect to Users Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
64	“View” button	Admin is required to click view button	None	Redirect to customer details	Mr. Muhammad Syafiq Bin Mat Ali	Pass
65	“Close” button	Admin is required to click close button	None	customer details will be closed	Mr. Muhammad Syafiq Bin Mat Ali	Pass
66	“Edit” button	Admin is required to click edit button if want to edit something fault.	Edit details will appear in the customer details form after the status set is approved from list of prospect	Edit details will be saved into database.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
67	“Save” button	Admin is required to click save button	Admin is required to check customer details such as the name, age, job title, email, gender, phone number, range salary, house type, message, house,	Successfully saved data will be entered into the database and	Mr. Muhammad Syafiq Bin Mat Ali	Pass

			month registration and year registration before click save button			
68	“Delete” button	Admin is required to click delete button	If want to delete the data it the message box “Are you sure to delete this category?” will pop up	The data successfully delete from database	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
69	“Search” textbox	Admin is required to search something by type in textbox	None	The search will pop up	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
70	“Logout” button	Admin is required to click logout after settled	“you have been successfully logged out.” Will be appear	Redirect to logout page	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
REPORT						
71	Navigation Bar “Dashboard”	Admin is required to click on navigation bar “Dashboard”	None	Redirect to dashboard page	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
72	Navigation Bar ”House Type”	Admin is required to click on navigation bar “House Type”	None	Redirect to House Type page	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
73	Navigation Bar “Houses”	Admin is required to click on navigation bar “Houses”	None	Redirect to Houses page	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
74	Navigation Bar “Prospect”	Admin is required to click on	None	Redirect to prospect Page	Mr. Muhamm ad Syafiq	Pass

		navigation bar “Prospect”			Bin Mat Ali	
75	Navigation Bar “Customer”	Admin is required to click on navigation bar “Customer”	None	Redirect to customer page	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
76	Navigation Bar “Reports”	Admin is required to click on navigation bar “Reports”	None	Stay in reports page	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
77	Navigation Bar “Users”	Admin is required to click on navigation bar “Users”	None	Redirect to Users Page	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
78	“View Report” link	Admin is required to click on view report link	None	Redirect to Month Wise Customer Data 2023 bar chart	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
79	“Print” button	Admin is required to click on print button	None	Redirect to print Month Wise Tenant Data 2023 bar chart page	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
80	“View Report” link	Admin is required to click on view report link	None	Redirect to Pie Chart of House Type	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
81	“Print” button	Admin is required to click on print button	None	Redirect to print Pie Chart of House Type page	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
82	“Logout” button	Admin is required to click logout after settled	“you have been successfully logged out.” Will be appear	Redirect to logout page	Mr. Muhamm ad Syafiq Bin Mat Ali	Pass
USERS						

83	Navigation Bar "Dashboard"	Admin is required to click on navigation bar "Dashboard"	None	Redirect to dashboard page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
84	Navigation Bar "House Type"	Admin is required to click on navigation bar "House Type"	None	Redirect to House Type page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
85	Navigation Bar "Houses"	Admin is required to click on navigation bar "Houses"	None	Redirect to Houses page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
86	Navigation Bar "Prospect"	Admin is required to click on navigation bar "Prospect"	None	Redirect to Prospect Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
87	Navigation Bar "Customer"	Admin is required to click on navigation bar "Customer"	None	Redirect to Customer page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
88	Navigation Bar "Reports"	Admin is required to click on navigation bar "Reports"	None	Redirect to Reports Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
89	Navigation Bar "Users"	Admin is required to click on navigation bar "Users"	None	Stay in users page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
90	"Approve" button	Admin is required to click approve for new admin or manager	"User approved successfully !" will be pop up	New admin or manager can login the website	Mr. Muhammad Syafiq Bin Mat Ali	Pass
91	"Deny" button	Admin is required to click deny for denied unknown	"User denied successfully !" will be pop up	Unknown admin or manager cannot access because	Mr. Muhammad Syafiq Bin Mat Ali	Pass

		admin or manager		admin take action to denied.		
92	“Logout” button	Admin is required to click logout after settled	“you have been successfully logged out.” Will be appear	Redirect to logout page	Mr. Muhammad Syafiq Bin Mat Ali	Pass

Table 5.1.2 Admin Page

5.1.3 Manager Page

UNIT TESTING PLAN						
LOGIN						
No	Test Case Name	Test Procedure	Pre-condition	Expected Result	Tester	Result (Pass/Fail)
1	“Login Now” button	Manager is required to click login now button	Manager need to entered valid email and password	Manager successfully entered manager page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
DASHBOARD						
2	Navigation Bar “Dashboard”	Manager is required to click on navigation bar “Dashboard”	None	Stay in dashboard page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
3	Navigation Bar “House Type”	Manager is required to click on navigation bar “House Type”	None	Redirect to House Type page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
4	Navigation Bar “Houses”	Manager is required to click on navigation bar “Houses”	None	Redirect to Houses page	Mr. Muhammad Syafiq Bin Mat Ali	Pass

5	Navigation Bar “Prospect”	Manager is required to click on navigation bar “Prospect”	None	Redirect to Prospect Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
6	Navigation Bar “Customer”	Manager is required to click on navigation bar “Customer”	None	Redirect to Customer Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
7	Navigation Bar “Reports”	Manager is required to click on navigation bar “Reports”	None	Redirect to Reports Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
8	“View List” link	Manager is required to click on view list	Total of houses after inserted will be appear	Redirect to houses page to see more details of house that available and sold	Mr. Muhammad Syafiq Bin Mat Ali	Pass
9	“View List” link	Manager is required to click on view list	Total of prospect after inserted will be appear	Redirect to prospect page to see more details of prospect	Mr. Muhammad Syafiq Bin Mat Ali	Pass
10	“View List” link	Manager is required to click on view list	Total of customer after inserted will be appear	Redirect to customer page to see more details about customer	Mr. Muhammad Syafiq Bin Mat Ali	Pass
11	“View Report” link	Manager is required to click on view list	None	Redirect to report page to see sales houses report and houses type report	Mr. Muhammad Syafiq Bin Mat Ali	Pass
12	“Logout”	Manager is required to click logout after settled	“you have been successfull y logged	Redirect to logout page	Mr. Muhammad Syafiq Bin Mat Ali	Pass

			out.” Will be appear			
HOUSE TYPE						
13	Navigation Bar “Dashboard”	Manager is required to click on navigation bar “Dashboard”	None	Redirect to Home page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
14	Navigation Bar ”House Type”	Manager is required to click on navigation bar “House Type”	None	Stay in house type page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
15	Navigation Bar “Houses”	Manager is required to click on navigation bar “Houses”	None	Redirect to Houses page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
16	Navigation Bar “Prospect”	Manager is required to click on navigation bar “Prospect”	None	Redirect to Prospect Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
17	Navigation Bar “Customer”	Manager is required to click on navigation bar “Customer”	None	Redirect to Customer Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
18	Navigation Bar “Reports”	Manager is required to click on navigation bar “Reports”	None	Redirect to Reports Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
19	“View” button	Manager is required to click view button	None	Redirect to house description page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
20	“Logout” button	Manager is required to click logout after settled	“you have been successfully logged out.” Will be appear	Redirect to logout page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
HOUSES						

21	Navigation Bar “Dashboard”	Manager is required to click on navigation bar “Dashboard”	None	Redirect to dashboard page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
22	Navigation Bar ”House Type”	Manager is required to click on navigation bar “House Type”	None	Redirect to House type page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
23	Navigation Bar “Houses”	Manager is required to click on navigation bar “Houses”	None	Stay in houses page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
24	Navigation Bar “Prospect”	Manager is required to click on navigation bar “Prospect”	None	Redirect to Prospect Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
25	Navigation Bar “Customer”	Manager is required to click on navigation bar “Customer”	None	Redirect to Customer Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
26	Navigation Bar “Reports”	Manager is required to click on navigation bar “Reports”	None	Redirect to Reports Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
27	“Search” textbox	Manager is required to search something by type in textbox	None	The search will pop up	Mr. Muhammad Syafiq Bin Mat Ali	Pass
28	“Logout” button	Manager is required to click logout after settled	“you have been successfully logged out.” Will be appear	Redirect to logout page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
PROSPECT						
29	Navigation Bar “Dashboard”	Manager is required to click on	None	Redirect to dashboard page		Pass

		navigation bar “Dashboard”				
30	Navigation Bar ”House Type”	Manager is required to click on navigation bar “House Type”	None	Redirect to House Type page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
31	Navigation Bar “Houses”	Manager is required to click on navigation bar “Houses”	None	Redirect to Houses page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
32	Navigation Bar “Prospect”	Manager is required to click on navigation bar “Prospect”	None	Stay in prospect page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
33	Navigation Bar “Customer”	Manager is required to click on navigation bar “Customer”	None	Redirect to Customer Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
34	Navigation Bar “Reports”	Manager is required to click on navigation bar “Reports”	None	Redirect to Reports Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
35	“View” button	Manager is required to “click view “ button	None	Redirect to prospect details	Mr. Muhammad Syafiq Bin Mat Ali	Pass
36	“Close” button	Manager is required to click close button	None	Prospect details will be closed	Mr. Muhammad Syafiq Bin Mat Ali	Pass
37	“Search” textbox	Manager is required to search something by type in textbox	None	The search will pop up	Mr. Muhammad Syafiq Bin Mat Ali	Pass
38	“Logout” button	Manager is required to click logout after settled	“you have been successfully logged out.”	Redirect to logout page	Mr. Muhammad Syafiq Bin Mat Ali	Pass

			Will be appear			
CUSTOMER						
39	Navigation Bar "Dashboard"	Manager is required to click on navigation bar "Dashboard"	None	Redirect to dashboard page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
40	Navigation Bar "House Type"	Manager is required to click on navigation bar "House Type"	None	Redirect to House Type page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
41	Navigation Bar "Houses"	Manager is required to click on navigation bar "Houses"	None	Redirect to Houses page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
42	Navigation Bar "Prospect"	Manager is required to click on navigation bar "Prospect"	None	Redirect to prospect Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
43	Navigation Bar "Customer"	Manager is required to click on navigation bar "Customer"	None	Stay in customer page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
44	Navigation Bar "Reports"	Manager is required to click on navigation bar "Reports"	None	Redirect to Reports Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
45	"View" button	Manager is required to click view button	None	Redirect to customer details	Mr. Muhammad Syafiq Bin Mat Ali	Pass
46	"Close" button	Manager is required to click close button	None	customer details will be closed	Mr. Muhammad Syafiq Bin Mat Ali	Pass
47	"Search" textbox	Manager is required to search something by	None	The search will pop up	Mr. Muhammad Syafiq Bin Mat Ali	Pass

		type in textbox				
48	“Logout” button	Manager is required to click logout after settled	“you have been successfully logged out.” Will be appear	Redirect to logout page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
REPORT						
49	Navigation Bar “Dashboard”	Manager is required to click on navigation bar “Dashboard”	None	Redirect to dashboard page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
50	Navigation Bar ”House Type”	Manager is required to click on navigation bar “House Type”	None	Redirect to House Type page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
51	Navigation Bar “Houses”	Manager is required to click on navigation bar “Houses”	None	Redirect to Houses page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
52	Navigation Bar “Prospect”	Manager is required to click on navigation bar “Prospect”	None	Redirect to prospect Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
53	Navigation Bar “Customer”	Manager is required to click on navigation bar “Customer”	None	Redirect to customer page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
54	Navigation Bar “Reports”	Manager is required to click on navigation bar “Reports”	None	Stay in reports page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
55	“View Report” link	Manager is required to click on view report link	None	Redirect to Month Wise Customer Data 2023 bar chart		Pass

56	“Print” button	Manager is required to click on print button	None	Redirect to print Month Wise Tenant Data 2023 bar chart page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
57	“View Report” link	Manager is required to click on view report link	None	Redirect to Pie Chart of House Type	Mr. Muhammad Syafiq Bin Mat Ali	Pass
58	“Print” button	Manager is required to click on print button	None	Redirect to print Pie Chart of House Type page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
59	“Logout” button	Manager is required to click logout after settled	“you have been successfully logged out.” Will be appear	Redirect to logout page	Mr. Muhammad Syafiq Bin Mat Ali	Pass

Table 5.1.3 Manager Page

5.2 Integration Testing Plan

5.2.1 User Page

INTEGRATION TESTING PLAN						
HOMEPAGE						
No	Test Case Name	Test Procedure	Pre-condition	Expected Result	Tester	Result (Pass/Fail)
1	Navigation Bar “HOME”	User is required to click on navigation bar “HOME”	None	Stay in home page	Mr. Muhammad Syafiq Bin Mat Ali	Pass

2	Navigation Bar “PROJECT”	User is required to click on navigation bar “PROJECT”	None	Redirect to project page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
3	Navigation Bar “ABOUT”	User is required to click on navigation bar “ABOUT”	None	Redirect go to about page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
4	Navigation Bar “CONTACT”	User is required to click on navigation bar “CONTACT”	None	Redirect go to contact page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
5	Navigation Bar “ADMIN”	User not required to click on navigation bar “ADMIN “	Only admin required to enter email and password.	Redirect to login page for admin only.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
6	“MORE INFO “ button	User is required to click on button “more info”	None	Redirect to about page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
7	“REGISTER ” button	User is required to fill in the name, age, job title, email, phone number, gender, range of salary, house type and message.	User is required to fill all the form.	Message box “Your registration is successful. We will contact you shortly.” Would pop up.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
8	“Facebook” icon	User is required to click on icon to redirect to Facebook login.	User need to make sure email and password are correct before login button.	Redirect user to PKNP Facebook page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
9	“Twitter” icon	User is required to click on icon	User need to make sure email	Redirect user to PKNP	Mr. Muhammad	Pass

		to redirect to Twitter login.	and password are correct before login button.	Twitter page.	Syafiq Bin Mat Ali	
10	“Instagram” icon	User is required to click on icon to redirect to Instagram login.	User need to make sure email and password are correct before login button.	Redirect user to PKNP Instagram page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
11	“LinkedIn” icon	User is required to click on icon to redirect to Instagram login.	User need to make sure email and password are correct before login button.	Redirect user to PKNP LinkedIn page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
PROJECT						
12	Navigation Bar “HOME”	User is required to click on navigation bar “HOME”	None	Redirect to project page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
13	Navigation Bar “PROJECT”	User is required to click on navigation bar “PROJECT”	None	Stay in project page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
14	Navigation Bar “ABOUT”	User is required to click on navigation bar “ABOUT”	None	Redirect go to about page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
15	Navigation Bar “Contact”	User is required to click on navigation bar “CONTACT”	None	Redirect go to contact page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
16	Navigation Bar “ADMIN”	User not required to click on	Only admin required to enter email	Redirect to login page for admin only.	Mr. Muhammad Syafiq Bin Mat Ali	Pass

		navigation bar “ADMIN “	and password.			
17	“View More” button	User is required to click on “view more “ button.	None	Redirect to property details such as bedroom, bathroom , kitchen, utility, and terrace.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
18	“360 VR Tour” button	User is required to click on “360 VR Tour” button.	User needs a fast internet source to view the 360 VR tour	Redirect to 360 VR tour page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
19	“Back” button	User is required to click on “back “ button	User need to click back button to return on project page.	Redirect to project page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
20	“REGISTER ” button	User is required to fill in the name, age, job title, email, phone number, gender, range of salary, house type and message.	User is required to fill all the form.	Message box “Your registration is successful. We will contact you shortly.” Would pop up.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
21	“Facebook” icon	User is required to click on icon to redirect to Facebook login.	User need to make sure email and password are correct before login button.	Redirect user to PKNP Facebook page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
22	“Twitter” icon	User is required to click on icon	User need to make sure email and	Redirect user to PKNP	Mr. Muhammad Syafiq Bin Mat Ali	Pass

		to redirect to Twitter login.	password are correct before login button.	Twitter page.		
23	“Instagram” icon	User is required to click on icon to redirect to Instagram login.	User need to make sure email and password are correct before login button.	Redirect user to PKNP Instagram page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
24	“LinkedIn” icon	User is required to click on icon to redirect to Instagram login.	User need to make sure email and password are correct before login button.	Redirect user to PKNP LinkedIn page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
ABOUT						
25	Navigation Bar “HOME”	User is required to click on navigation bar “HOME”	None	Redirect to project page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
26	Navigation Bar “PROJECT”	User is required to click on navigation bar “PROJECT”	None	Redirect to project page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
27	Navigation Bar “ABOUT”	User is required to click on navigation bar “ABOUT”	None	Stay in about page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
28	Navigation Bar “Contact”	User is required to click on navigation bar “CONTACT”	None	Redirect go to contact page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
29	Navigation Bar “ADMIN”	User not required to click on navigation bar “ADMIN “	Only admin required to enter email	Redirect to login page for admin only.	Mr. Muhammad Syafiq Bin Mat Ali	Pass

			and password.			
30	Location	User is required to click on “View Larger map” on the map.	None	Redirect to location on google map	Mr. Muhammad Syafiq Bin Mat Ali	Pass
31	“REGISTER” button	User is required to fill in the name, age, job title, email, phone number, gender, range of salary, house type and message.	User is required to fill all the form.	Message box “Your registration is successful. We will contact you shortly.” Would pop up.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
32	“Facebook” icon	User is required to click on icon to redirect to Facebook login.	User need to make sure email and password are correct before login button.	Redirect user to PKNP Facebook page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
33	“Twitter” icon	User is required to click on icon to redirect to Twitter login.	User need to make sure email and password are correct before login button.	Redirect user to PKNP Twitter page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
34	“Instagram” icon	User is required to click on icon to redirect to Instagram login.	User need to make sure email and password are correct before login button.	Redirect user to PKNP Instagram page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass

35	“LinkedIn” icon	User is required to click on icon to redirect to Instagram login.	User need to make sure email and password are correct before login button.	Redirect user to PKNP LinkedIn page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
CONTACT						
36	Navigation Bar “HOME”	User is required to click on navigation bar “HOME”	None	Redirect to home page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
37	Navigation Bar “PROJECT”	User is required to click on navigation bar “PROJECT”	None	Redirect to project page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
38	Navigation Bar “ABOUT”	User is required to click on navigation bar “ABOUT”	None	Redirect go to about page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
39	Navigation Bar “Contact”	User is required to click on navigation bar “CONTACT”	None	Stay in contact page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
40	Navigation Bar “ADMIN”	User not required to click on navigation bar “ADMIN “	Only admin required to enter email and password.	Redirect to login page for admin only.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
41	“REGISTER” button	User is required to fill in the name, age, job title, email, phone number, gender, range of salary, house type and message.	User is required to fill all the form.	Message box “Your registration is successful. We will contact you shortly.” Would pop up.	Mr. Muhammad Syafiq Bin Mat Ali	Pass

42	“Facebook” icon	User is required to click on icon to redirect to Facebook login.	User need to make sure email and password are correct before login button.	Redirect user to PKNP Facebook page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
43	“Twitter” icon	User is required to click on icon to redirect to Twitter login.	User need to make sure email and password are correct before login button.	Redirect user to PKNP Twitter page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
44	“Instagram” icon	User is required to click on icon to redirect to Instagram login.	User need to make sure email and password are correct before login button.	Redirect user to PKNP Instagram page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
45	“LinkedIn” icon	User is required to click on icon to redirect to Instagram login.	User need to make sure email and password are correct before login button.	Redirect user to PKNP LinkedIn page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
ADMIN						
46	Navigation Bar “HOME”	User is required to click on navigation bar “HOME”	None	Redirect to home page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
47	Navigation Bar “PROJECT”	User is required to click on	None	Redirect to project page	Mr. Muhammad Syafiq Bin Mat Ali	Pass

		navigation bar “PROJECT”				
48	Navigation Bar “ABOUT”	User is required to click on navigation bar “ABOUT”	None	Redirect go to about page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
49	Navigation Bar “Contact”	User is required to click on navigation bar “CONTACT”	None	Redirect go to contact page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
50	Navigation Bar “ADMIN”	User not required to click on navigation bar “ADMIN “	Only admin required to enter email and password.	Redirect to login page for admin only.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
51	“Login Now” button	User not required to click on navigation bar “ADMIN “	Only admin required to enter email and password.	Redirect to admin page.	Mr. Muhammad Syafiq Bin Mat Ali	Pass
52	“Register Now” link	New admin and manager required to click on “Register Now” link	New admin and manager is required to fill in name, email, and password.	New admin and manager need to wait while admin approve or deny the registration.	Mr. Muhammad Syafiq Bin Mat Ali	Pass

Table 5.2.1 User Page

5.2.2 Admin Page

INTEGRATION TESTING PLAN						
LOGIN						
N o	Test Case Name	Test Procedure	Pre-condition	Expected Result	Tester	Result (Pass/Fa il)

1	“Login now” button	Admin is required to entered email and password	Admin need to entered valid email and password	Admin successfull y entered the admin page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
DASHBOARD						
2	Navigation Bar “Dashboard”	Admin is required to click on navigation bar “Dashboard ”	None	Stay in dashboard page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
3	Navigation Bar ”House Type”	Admin is required to click on navigation bar “House Type”	None	Redirect to House Type page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
4	Navigation Bar “Houses”	Admin is required to click on navigation bar “Houses”	None	Redirect to Houses page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
5	Navigation Bar “Prospect”	Admin is required to click on navigation bar “Prospect”	None	Redirect to Prospect Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
6	Navigation Bar “Customer”	Admin is required to click on navigation bar “Customer”	None	Redirect to Customer Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
7	Navigation Bar “Reports”	Admin is required to click on navigation bar “Reports”	None	Redirect to Reports Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
8	Navigation Bar “Users”	Admin is required to click on	None	Redirect to Users Page	Mr. Muhammad	Pass

		navigation bar “Users”			Syafiq Bin Mat Ali	
9	“View List” link	Admin is required to click on view list	Total of houses after inserted will be appear	Redirect to houses page to see more details of house that available and sold	Mr. Muhammad Syafiq Bin Mat Ali	Pass
10	“View List” link	Admin is required to click on view list	Total of prospect after inserted will be appear	Redirect to prospect page to see more details of prospect	Mr. Muhammad Syafiq Bin Mat Ali	Pass
11	“View List” link	Admin is required to click on view list	Total of customer after inserted will be appear	Redirect to customer page to see more details about customer	Mr. Muhammad Syafiq Bin Mat Ali	Pass
12	“View Report” link	Admin is required to click on view list	None	Redirect to report page to see sales houses report and houses type report	Mr. Muhammad Syafiq Bin Mat Ali	Pass
13	“Logout” button	Admin is required to click logout after settled	“you have been successfully logged out.” Will be appear	Redirect to logout page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
HOUSE TYPE						
14	Navigation Bar “Dashboard”	Admin is required to click on navigation bar “Dashboard”	None	Redirect to Home page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
15	Navigation Bar ”House Type”	Admin is required to click on navigation	None	Stay in house type page	Mr. Muhammad Syafiq Bin Mat Ali	Pass

		bar “House Type”				
16	Navigation Bar “Houses”	Admin is required to click on navigation bar “Houses”	None	Redirect to Houses page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
17	Navigation Bar “Prospect”	Admin is required to click on navigation bar “Prospect”	None	Redirect to Prospect Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
18	Navigation Bar “Customer”	Admin is required to click on navigation bar “Customer”	None	Redirect to Customer Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
19	Navigation Bar “Reports”	Admin is required to click on navigation bar “Reports”	None	Redirect to Reports Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
20	Navigation Bar “Users”	Admin is required to click on navigation bar “Users”	None	Redirect to Users Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
21	“View” button	Admin is required to click view button	None	Redirect to house description page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
22	“Logout” button	Admin is required to click logout after settled	“you have been successfully logged out.” Will be appear	Redirect to logout page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
HOUSES						
23	Navigation Bar “Dashboard”	Admin is required to click on navigation bar	None	Redirect to dashboard page	Mr. Muhammad Syafiq Bin Mat Ali	Pass

		“Dashboard”				
24	Navigation Bar ”House Type”	Admin is required to click on navigation bar “House Type”	None	Redirect to House type page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
25	Navigation Bar “Houses”	Admin is required to click on navigation bar “Houses”	None	Stay in houses page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
26	Navigation Bar “Prospect”	Admin is required to click on navigation bar “Prospect”	None	Redirect to Prospect Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
27	Navigation Bar “Customer”	Admin is required to click on navigation bar “Customer”	None	Redirect to Customer Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
28	Navigation Bar “Reports”	Admin is required to click on navigation bar “Reports”	None	Redirect to Reports Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
29	Navigation Bar “Users”	Admin is required to click on navigation bar “Users”	None	Redirect to Users Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
30	“Logout” button	Admin is required to click logout after settled	“you have been successfully logged out.” Will be appear	Redirect to logout page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
PROSPECT						
31	Navigation Bar “Dashboard”	Admin is required to click on navigation	None	Redirect to dashboard page	Mr. Muhammad Syafiq Bin Mat Ali	Pass

		bar “Dashboard”				
32	Navigation Bar “House Type”	Admin is required to click on navigation bar “House Type”	None	Redirect to House Type page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
33	Navigation Bar “Houses”	Admin is required to click on navigation bar “Houses”	None	Redirect to Houses page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
34	Navigation Bar “Prospect”	Admin is required to click on navigation bar “Prospect”	None	Stay in prospect page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
35	Navigation Bar “Customer”	Admin is required to click on navigation bar “Customer”	None	Redirect to Customer Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
36	Navigation Bar “Reports”	Admin is required to click on navigation bar “Reports”	None	Redirect to Reports Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
37	Navigation Bar “Users”	Admin is required to click on navigation bar “Users”	None	Redirect to Users Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
38	“Status” drop down	Admin is required to click status drop down such as pending, done, and approve	Need to fill in new prospect form first	The status will be automatically for new prospect as pending and if change to	Mr. Muhammad Syafiq Bin Mat Ali	Pass

				approved it will auto send data to customer page. Then done status when admin has been done called the prospect and pending when admin not take any action yet.		
39	“Logout” button	Admin is required to click logout after settled	“you have been successfully logged out.” Will be appear	Redirect to logout page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
CUSTOMER						
40	Navigation Bar “Dashboard”	Admin is required to click on navigation bar “Dashboard”	None	Redirect to dashboard page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
41	Navigation Bar ”House Type”	Admin is required to click on navigation bar “House Type”	None	Redirect to House Type page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
42	Navigation Bar “Houses”	Admin is required to click on navigation bar “Houses”	None	Redirect to Houses page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
43	Navigation Bar “Prospect”	Admin is required to click on navigation	None	Redirect to prospect Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass

		bar “Prospect”				
44	Navigation Bar “Customer”	Admin is required to click on navigation bar “Customer”	None	Stay in customer page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
45	Navigation Bar “Reports”	Admin is required to click on navigation bar “Reports”	None	Redirect to Reports Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
46	Navigation Bar “Users”	Admin is required to click on navigation bar “Users”	None	Redirect to Users Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
47	“Logout” button	Admin is required to click logout after settled	“you have been successfully logged out.” Will be appear	Redirect to logout page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
REPORT						
48	Navigation Bar “Dashboard”	Admin is required to click on navigation bar “Dashboard”	None	Redirect to dashboard page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
49	Navigation Bar “House Type”	Admin is required to click on navigation bar “House Type”	None	Redirect to House Type page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
50	Navigation Bar “Houses”	Admin is required to click on navigation bar “Houses”	None	Redirect to Houses page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
52	Navigation Bar “Prospect”	Admin is required to click on	None	Redirect to prospect Page	Mr. Muhammad	Pass

		navigation bar “Prospect”			Syafiq Bin Mat Ali	
53	Navigation Bar “Customer”	Admin is required to click on navigation bar “Customer”	None	Redirect to customer page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
54	Navigation Bar “Reports”	Admin is required to click on navigation bar “Reports”	None	Stay in reports page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
55	Navigation Bar “Users”	Admin is required to click on navigation bar “Users”	None	Redirect to Users Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
56	“View Report” link	Admin is required to click on view report link	None	Redirect to Month Wise Customer Data 2023 bar chart	Mr. Muhammad Syafiq Bin Mat Ali	Pass
57	“Print” button	Admin is required to click on print button	None	Redirect to print Month Wise Tenant Data 2023 bar chart page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
58	“View Report” link	Admin is required to click on view report link	None	Redirect to Pie Chart of House Type	Mr. Muhammad Syafiq Bin Mat Ali	Pass
59	“Print” button	Admin is required to click on print button	None	Redirect to print Pie Chart of House Type page	Mr. Muhammad Syafiq Bin Mat Ali	Pass

60	“Logout” button	Admin is required to click logout after settled	“you have been successfully logged out.” Will be appear	Redirect to logout page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
USERS						
61	Navigation Bar “Dashboard”	Admin is required to click on navigation bar “Dashboard”	None	Redirect to dashboard page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
62	Navigation Bar “House Type”	Admin is required to click on navigation bar “House Type”	None	Redirect to House Type page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
63	Navigation Bar “Houses”	Admin is required to click on navigation bar “Houses”	None	Redirect to Houses page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
64	Navigation Bar “Prospect”	Admin is required to click on navigation bar “Prospect”	None	Redirect to Prospect Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
65	Navigation Bar “Customer”	Admin is required to click on navigation bar “Customer”	None	Redirect to Customer page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
66	Navigation Bar “Reports”	Admin is required to click on navigation bar “Reports”	None	Redirect to Reports Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
67	Navigation Bar “Users”	Admin is required to click on	None	Stay in users page	Mr. Muhammad Syafiq Bin Mat Ali	Pass

		navigation bar “Users”				
68	“Logout” button	Admin is required to click logout after settled	“you have been successfully logged out.” Will be appear	Redirect to logout page	Mr. Muhammad Syafiq Bin Mat Ali	Pass

Table 5.2.2 Admin Page

5.2.3 Manager Page

UNIT TESTING PLAN						
LOGIN						
No	Test Case Name	Test Procedure	Pre-condition	Expected Result	Tester	Result (Pass/Fail)
1	“Login now” button	Manager is required to entered email and password	Manager need to entered valid email and password	Manager successfully entered manager page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
DASHBOARD						
2	Navigation Bar “Dashboard”	Manager is required to click on navigation bar “Dashboard”	None	Stay in dashboard page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
3	Navigation Bar “House Type”	Manager is required to click on navigation bar “House Type”	None	Redirect to House Type page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
4	Navigation Bar “Houses”	Manager is required to click on navigation bar “Houses”	None	Redirect to Houses page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
5	Navigation Bar “Prospect”	Manager is required to click on	None	Redirect to Prospect Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass

		navigation bar “Prospect”				
6	Navigation Bar “Customer”	Manager is required to click on navigation bar “Customer”	None	Redirect to Customer Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
7	Navigation Bar “Reports”	Manager is required to click on navigation bar “Reports”	None	Redirect to Reports Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
8	“View List” link	Manager is required to click on view list	Total of houses after inserted will be appear	Redirect to houses page to see more details of house that available and sold	Mr. Muhammad Syafiq Bin Mat Ali	Pass
9	“View List” link	Manager is required to click on view list	Total of prospect after inserted will be appear	Redirect to prospect page to see more details of prospect	Mr. Muhammad Syafiq Bin Mat Ali	Pass
10	“View List” link	Manager is required to click on view list	Total of customer after inserted will be appear	Redirect to customer page to see more details about customer	Mr. Muhammad Syafiq Bin Mat Ali	Pass
11	“View Report” link	Manager is required to click on view list	None	Redirect to report page to see sales houses report and	Mr. Muhammad Syafiq Bin Mat Ali	Pass

				houses type report		
12	“Logout” button	Manager is required to click logout after settled	“you have been successfully logged out.” Will be appear	Redirect to logout page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
HOUSE TYPE						
13	Navigation Bar “Dashboard”	Manager is required to click on navigation bar “Dashboard”	None	Redirect to Home page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
14	Navigation Bar ”House Type”	Manager is required to click on navigation bar “House Type”	None	Stay in house type page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
15	Navigation Bar “Houses”	Manager is required to click on navigation bar “Houses”	None	Redirect to Houses page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
16	Navigation Bar “Prospect”	Manager is required to click on navigation bar “Prospect”	None	Redirect to Prospect Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
17	Navigation Bar “Customer”	Manager is required to click on navigation bar “Customer”	None	Redirect to Custom er Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
18	Navigation Bar “Reports”	Manager is required to click on navigation bar “Reports”	None	Redirect to Reports Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
19	“View” button	Manager is required to click view button	None	Redirect to house descripti on page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
20	“Logout” button	Manager is required to	“you have been successfully	Redirect to logout page	Mr. Muhammad	Pass

		click logout after settled	logged out.” Will be appear		Syafiq Bin Mat Ali	
HOUSES						
21	Navigation Bar “Dashboard ”	Manager is required to click on navigation bar “Dashboard”	None	Redirect to dashboar d page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
22	Navigation Bar ”House Type”	Manager is required to click on navigation bar “House Type”	None	Redirect to House type page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
23	Navigation Bar “Houses”	Manager is required to click on navigation bar “Houses”	None	Stay in houses page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
24	Navigation Bar “Prospect”	Manager is required to click on navigation bar “Prospect”	None	Redirect to Prospect Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
25	Navigation Bar “Customer”	Manager is required to click on navigation bar “Customer”	None	Redirect to Custome r Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
26	Navigation Bar “Reports”	Manager is required to click on navigation bar “Reports”	None	Redirect to Reports Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
27	“Logout” button	Manager is required to click logout after settled	“you have been successfully logged out.” Will be appear	Redirect to logout page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
PROSPECT						
28	Navigation Bar “Dashboard ”	Manager is required to click on navigation bar “Dashboard”	None	Redirect to dashboar d page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
29	Navigation Bar ”House Type”	Manager is required to click on	None	Redirect to House	Mr. Muhammad	Pass

		navigation bar “House Type”		Type page	Syafiq Bin Mat Ali	
30	Navigation Bar “Houses”	Manager is required to click on navigation bar “Houses”	None	Redirect to Houses page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
31	Navigation Bar “Prospect”	Manager is required to click on navigation bar “Prospect”	None	Stay in prospect page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
32	Navigation Bar “Customer”	Manager is required to click on navigation bar “Customer”	None	Redirect to Custome r Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
33	Navigation Bar “Reports”	Manager is required to click on navigation bar “Reports”	None	Redirect to Reports Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
34	“Logout” button	Manager is required to click logout after settled	“you have been successfully logged out.” Will be appear	Redirect to logout page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
CUSTOMER						
35	Navigation Bar “Dashboard ”	Manager is required to click on navigation bar “Dashboard”	None	Redirect to dashboar d page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
36	Navigation Bar ”House Type”	Manager is required to click on navigation bar “House Type”	None	Redirect to House Type page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
37	Navigation Bar “Houses”	Manager is required to click on navigation bar “Houses”	None	Redirect to Houses page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
38	Navigation Bar “Prospect”	Manager is required to click on	None	Redirect to prospect Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass

		navigation bar “Prospect”				
39	Navigation Bar “Customer”	Manager is required to click on navigation bar “Customer”	None	Stay in customer page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
40	Navigation Bar “Reports”	Manager is required to click on navigation bar “Reports”	None	Redirect to Reports Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
41	“Logout” button	Manager is required to click logout after settled	“you have been successfully logged out.” Will be appear	Redirect to logout page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
REPORT						
42	Navigation Bar “Dashboard”	Manager is required to click on navigation bar “Dashboard”	None	Redirect to dashboard page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
43	Navigation Bar “House Type”	Manager is required to click on navigation bar “House Type”	None	Redirect to House Type page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
44	Navigation Bar “Houses”	Manager is required to click on navigation bar “Houses”	None	Redirect to Houses page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
45	Navigation Bar “Prospect”	Manager is required to click on navigation bar “Prospect”	None	Redirect to prospect Page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
46	Navigation Bar “Customer”	Manager is required to click on navigation bar “Customer”	None	Redirect to customer page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
47	Navigation Bar “Reports”	Manager is required to click on	None	Stay in reports page	Mr. Muhammad Syafiq Bin Mat Ali	Pass

		navigation bar “Reports”				
48	“View Report” link	Manager is required to click on view report link	None	Redirect to Month Wise Customer Data 2023 bar chart	Mr. Muhammad Syafiq Bin Mat Ali	Pass
49	“Print” button	Manager is required to click on print button	None	Redirect to print Month Wise Tenant Data 2023 bar chart page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
50	“View Report” link	Manager is required to click on view report link	None	Redirect to Pie Chart of House Type	Mr. Muhammad Syafiq Bin Mat Ali	Pass
51	“Print” button	Manager is required to click on print button	None	Redirect to print Pie Chart of House Type page	Mr. Muhammad Syafiq Bin Mat Ali	Pass
52	“Logout” button	Manager is required to click logout after settled	“you have been successfully logged out.” Will be appear	Redirect to logout page	Mr. Muhammad Syafiq Bin Mat Ali	Pass

Table 5.2.3 Manager Page

6.0 MAJOR FINDINGS AND DISCUSSION

6.1 The Advantage(s) of the Project

- i. Being able to analyze data from the user via a bar chart, showing sales of properties by month, and a pie chart representing the distribution of house types chosen by the user.
- ii. Being able to generate accurate reports enables the assessment of performance against targets and benchmarks, helping to gauge the effectiveness of strategies and initiatives.
- iii. The website system was mobile-friendly, ensuring a seamless user experience across various devices, from smartphones to laptop
- iv. The system for page admin is safe to use as it requires a email and password for login
- v. automatic and accurate system for recording user registrations for property
- vi. Users are able to visualize the property in its entirety, making it easier to assess the layout, design, and overall appeal

6.2 The Disadvantage(s) of the Project

- i. Basic security features may not be flexible enough to adapt to specific security needs or compliance requirements.
- ii. The 360-degree view is an online feature that requires an internet connection to deliver dynamic and responsive visuals.
- iii. Data Connectivity Dependencies: The system's effectiveness relies on stable and consistent internet connectivity which could cause interruptions or limitations in places with low network coverage.
- iv. Privacy Concerns: Users may have concerns about the system's obtaining, keeping, and possible misuse of their financial and personal information.

7.0 RECOMMENDATION AND CONCLUSION

A possible recommendation for the property sales registration system is to think about building a modular security framework that enables administrators to customize security settings to meet certain legal needs and guarantee data protection. Second, implement advanced data protection measures like tokenization and anonymization to address privacy concerns and increase trust in the handling of their private data. Finally, create an offline mode or progressive web app version that enables users to interact with important features even in locations with limited internet availability.

In conclusion, there is a lot of potential for improving and automate the property sales process with the development and implementation of the Property Sales Registration System by providing a user interface that is easy to use, strong security protections, and a wide range of functionality. It's important to note that while the system offers many advantages, it also poses difficulties such possible security risks and technological constraints. It's necessary to offer continuing assistance in order to optimize the performance of the system. Continuous changes to solve any minor error and improve the user experience can be achieved by carefully taking into account user expectation and feedback.

The Property Sales Registration System has the potential to become an important resource for property marketers, buyers, and sellers alike through using these suggestions and committing to ongoing improvement, helping to create a more effective, secure, and visible commercial property sales environment.

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