Republic of the Philippines Western Mindanao State University
COLLEGE OF COMPUTING STUDIES
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Apartment Rental Management System

In partial fulfillment of the requirements in CS 132 – Software Engineering 2

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CHAPTER 1 – PROJECT OVERVIEW

1.1 Product Overview

The client's business is a residential property comprised of a 2-story apartment, a bed space, and a commercial space. Established in the year 2021, which accommodates multiple households wanting to rent any of the lease premises.

Currently, the property manager manages the property and tenant's details on paper. Payments are recorded on record books which has become difficult and may easily get damaged leading to data loss.

The lack of requirements makes recorded data vulnerable. These problems serve as the basis for the system's objective which involves defining customer needs and identifying system characteristics to determine the effective system functions. This includes a user-friendly system, effective in processing transactions, and a secure and convenient system.

1.2 Project Site

The Rental Apartment is situated at Purok 11A Acacia Drive, Upper Calarian, Zamboanga City. The business started operating in December of 2021, owned by a married couple, Dr. Fatima Hafza D. Sahiddin and Dr. Muamar S. Abduhasan.

The main transaction of the business is the payment transaction. A process wherein rental fee payments made by the client's tenant are collected and recorded by the client's assigned manager or landlord.

The client aims to have a responsive and user-friendly system, that can provide optimal service both to them and their customers. Most specifically, to have a system that will make managing their rental apartment business easier and more secure.

1.3 Background of the Client

The client's name is Fatima Hafza D. Sahiddin, a 32-year-old and a doctor of pediatrics. She lives at Logoy Dutay, Talon–Talon, Zamboanga City. Finished her tertiary school at Western Mindanao State University in the year 2013 with a bachelor's degree in Nursing. And finished her medical school in the year 2019 at Ateneo de Zamboanga University. Currently working as a Doctor of Pediatrics in a hospital in Palawan.

The rental apartment situated at Purok 11A Acacia Drive, Upper Calarian, Zamboanga City is the first rental business that she owned, and with the success of the business, she also planned in expanding their rental business and is now working on establishing a new branch on a different location here in Zamboanga City.

1.4 Proposed Solution

1.4.1 Product Summary

Fatima Hafza D. Sahiddin is the proprietor of a property that features both residential and commercial rental options. This building's rental management system has been designed to ensure security and innovation, with a variety of on-site amenities for tenants. Furthermore, current residents can use the website to access information such as regulations, contact

details, payment reports and updates on maintenance and other projects. The website acts as an efficient and user-friendly tool for the owner, tenants, and the landlord, making the experience of renting and residing in the building more streamlined and pleasant.

1.4.2 Information Architecture

User type

ADMIN

- Account management
  - Log in
  - Forget password
  - Profile settings
  - Edit profile
  - View profile
  - Search profile
- Dashboard
  - Total tenants
  - Total landlords
  - Total property
  - Total property unit
  - Calendar
  - Total income
- Tenant management
  - Add tenant
  - Search tenant
  - View tenant
  - Edit tenant
  - Delete tenant
- Landlord management
  - Add landlord
  - Search landlord
  - View landlord
  - Edit landlord
  - Delete landlord
  - Assign property
  - Assign units
- Properties
  - Add property
  - Delete property
  - Edit property
  - View property
- Property units
  - Assign property
  - Add property unit
  - Edit property units
  - Delete property units
  - View property units
  - Update property units
  - Search property units
- Leases
  - Add lease
  - Edit lease
  - Delete lease
  - View lease
  - Update lease
  - Search lease
- Invoice
  - Add invoice
  - Edit invoice
  - Delete invoice
  - View invoice
  - Update invoice
  - Search invoice
- Reports
  - View reports
  - Search reports
- Tickets
  - Add tickets
  - Edit ticket
  - Delete tickets
  - View tickets
  - Update tickets
  - Search tickets
- Calendar events
  - Add calendar events
  - View calendar events
- Settings
  - Edit settings
  - Update settings
  - View settings
- Terms and condition
  - View terms and conditions

LANDLORD

- Account management
  - Log in
  - Forget password
  - Profile settings
  - Edit profile
  - View profile
  - Search profile
- Dashboard
  - Total tenants
  - Total landlords
  - Total property
  - Total property unit
  - Calendar
  - Total income
- Tenant management
  - Add tenant
  - Search tenant
  - View tenant
  - Edit tenant
  - Delete tenant
- Properties
  - Add property
  - Delete property
  - Edit property
  - View property
- Property units
  - Assign property
  - Add property unit
  - Edit property units
  - Delete property units
  - View property units
  - Update property units
  - Search property units
- Leases
  - Add lease
  - Edit lease
  - Delete lease
  - View lease
  - Update lease
  - Search lease
- Invoice
  - Add invoice
  - Edit invoice
  - Delete invoice
  - View invoice
  - Update invoice
  - Search invoice
- Reports
  - View reports
  - Search reports
- Penalties
  - Add tickets
  - Edit ticket
  - Delete tickets
  - View penalties
  - Update penalties
  - Search penalties
- Calendar events
  - Add calendar events
  - View calendar events
- Settings
  - Edit settings
  - Update settings
  - View settings
- Terms and condition
  - View terms and conditions

TENANTS

- Account management
  - Log in
  - Forget password
  - Profile settings
  - Edit profile
  - View profile
  - Search profile
- Dashboard
  - Rental Payment Status
  - Announcement and update
- Leases
  - View lease
  - Search lease
- Invoice
  - View invoice
  - Search invoice
- Reports
  - View reports
  - Search reports
- Penalties
  - Add penalties
  - Edit penalties
  - Delete penalties
  - View penalties
  - Update penalties
  - Search penalties
- Calendar events
  - Add calendar events
  - View calendar events
- Settings
  - Edit settings
  - Update settings
  - View settings
- Terms and condition
  - View terms and conditions

1.4.3 Feature Set

Server-sided User Account Registration System (administered system thru database)

- Log-in
- Account type
- Forgot password

Manage Leases, Landlords, and Tenants (amenable profiling, penalties and lease contracts)

- View, edit, delete, and update the ff.
  - Landlords profile
  - Tenants profile
  - Lease entries

Manage Properties and Property Units (specified amenities and featured occupancy rate)

- View, edit, delete, and update the ff.
  - Properties Details
  - Property Units entries

Manage Tickets (setting standards with tenants' rights)

- View, edit, delete, and update the ff.
  - Ticket entries

Manage Calendar Events and Monthly Reports (for the purpose of bookkeeping)

- View, edit, delete, and update the ff.
  - Report assessments
  - Calendar Events entries

Manage Settings (extensive configurations)

- View, edit, delete, and update the ff.
  - Billings cost (assess monthly billing rates, electric and water)

- Invoices (summation of rental dues)
- Penalties (manage lease terms with violations)
- Profiling (user profile management)

CHAPTER 2 – THE COMPANY

2.1 Company Profile

The Company name is **Orenda**. Orenda means a mystical force present in all people that can empower them to affect the world, or to affect change in their own lives.

A company that provides a quality appropriate business solutions and innovative client-base website. Together with the team, we are committed in providing and ensuring that the clients will receive the best possible solutions and maintain a thorough knowledge and understanding of client's objective and help their organizations achieve to greater success.

2.2 Company Logo

The 'o' under the fire logo is from the company name and the fire element symbolizes our passion, zeal, creativity, and motivation. It has great power for forging will and determination. As well as the symbol of the inner light, just like the word 'Orenda' – that is present in all people that empowers them to change their fate, the fire element is also a living symbol of the divine fire that burns in every soul. Thus, making the logo like a flicking flame that evokes thoughts of passion and creativity, encouraging talents to 'keep the fire burning' in them, to inspire, make a change, and ignite a movement of creative innovation.

Figure 1: Company Logo

2.3 Company Vision

We strive to be leaders in digital marketing services to ignite a global movement of creative innovation and provide next generation a top digital works.

2.4 Company Mission

The Orenda Company provide an excellent quality of works as we transform art piece into digital reality with creative critical thinking and taking into account the individual requirements and unique demands of each client.

2.5 Company Goals

- Establish good relationship with customers
- Build brand awareness
- Improve customer's experience
- Increase company's revenue
- Generate qualified professionals

2.6 Company Organizational Structure

2.6.1 Overall Team Structure

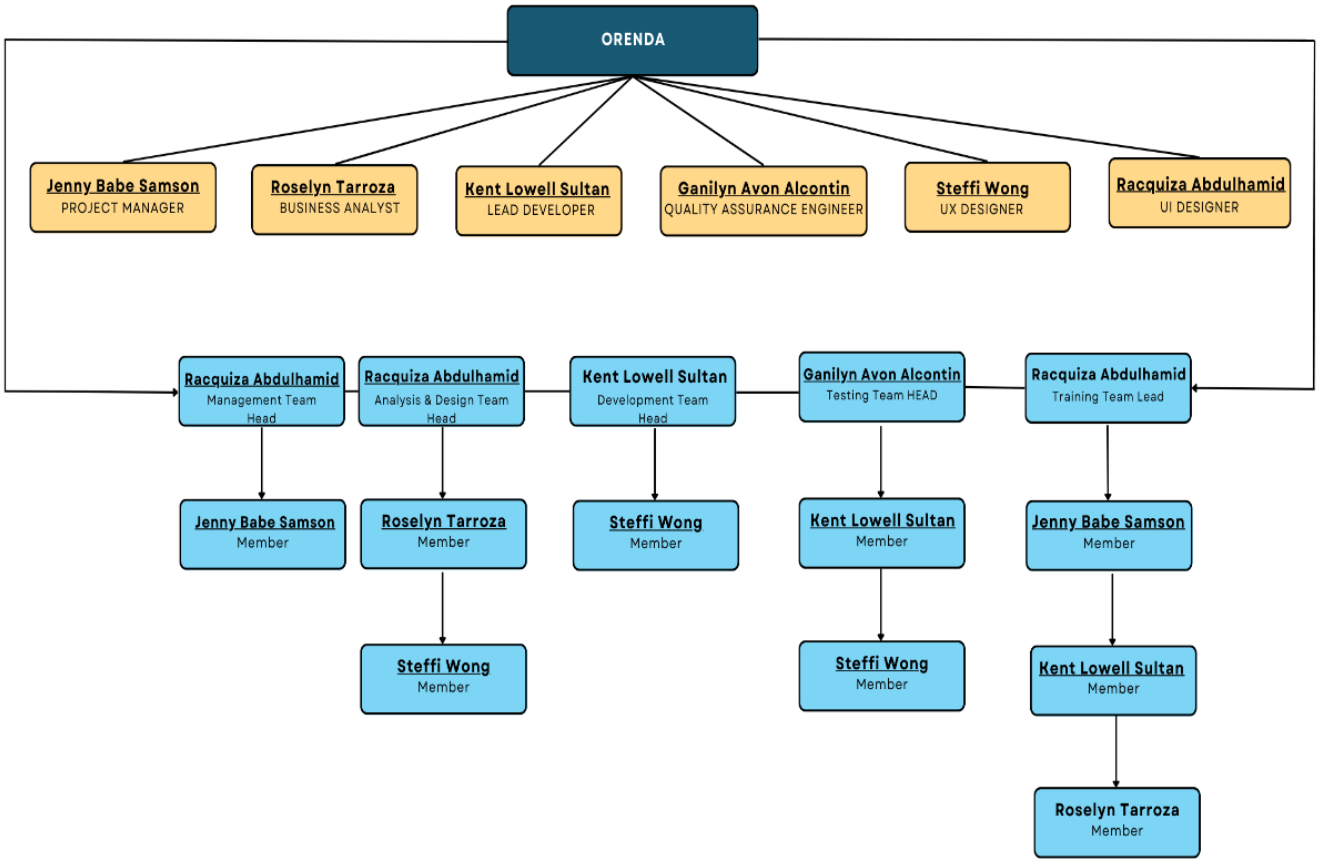
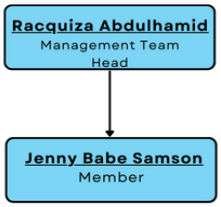


Figure 2: Organizational Structure

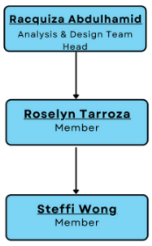
2.6.2 Management Team

- Responsible for managing the group.



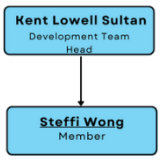
2.6.3 Analysis and Design Team

- Focus on developing the system from designing to coding.



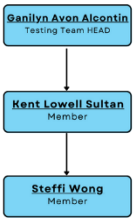
2.6.4 Development Team

- Responsible for the functionality of the system.



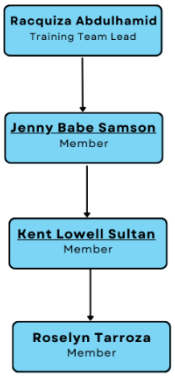
2.6.5 Testing Team

- Identify errors and debug the system until the system will meet the client's expectations.



2.6.6 Training Team

- In charge to enhance individual skills and expertise through training and development programs to improve proficiency in job or task execution.



2.7 Company Policy

Meetings

Attendance is a must, any member in the team can scheduled a meeting and must be agreed by everyone. Any member that failed to attend the meeting but has a valid reason will be accepted. 10 minutes late in the meeting will be consider. Members that failed to obey will receive penalty.

Funding

The team will contribute equally to the funding, and all expenses will be divided equally among the team and must be accompanied by valid receipts for reimbursement purposes. Collection of money will be done face to face and a member can also pay thru Gcash.

Penalties

Scope: This policy applies to all the member of the team.

Nature of Offense	Penalties
1. Being inactive in group such as: • Doesn't attend in group meeting and failed to present a valid reason. • Failure to fulfill responsibilities or carelessness in completing assigned tasks	1st offense: WARNING and PHP 150.00 2nd offense: PHP 300.00 3rd offense: Name will be reported to the teacher. If still act the same way: Subject for removal or expulsion from the group.
2. Doesn't cooperating in the group and declining task.	1st offense: WARNING and PHP 150.00 2nd offense: PHP 300.00 3rd offense: Name will be reported to the teacher. If still act the same way: Subject for removal or expulsion from the group.

CHAPTER 3 – PROJECT PLAN AND SCHEDULE

3.1 Action Plan

Software Process Model: Agile Model

Table 1: Action Plan

Activity		Time Estimates			Required Resources	Dependencies	Person-in-Charge
#		Duration	Start	End			
Phase 1 – Planning							
1.1	Create a company	1 Day	Aug. 19, 2022	Aug. 19, 2022	Internet, laptop	-	All
1.2	Design a company logo	1 Day	Aug. 20, 2022	Aug. 20, 2022	Internet, laptop	1.1	Abdulhamid
1.3	Define company mission, vision, and goals	2 Days	Aug. 21, 2022	Aug. 22, 2022	Internet, laptop	1.1	Samson, Tarroza
1.4	Define company organizational structure	1 Day	Aug. 23, 2022	Aug. 23, 2022	Internet, laptop	1.1	Samson
1.5	Define company policies and penalties	2 Days	Aug. 24, 2022	Aug. 25, 2022	Internet, laptop	1.4	Tarroza, Alcontin, Wong
1.6	Establish and promote company	3 Days	Sep. 6, 2022	Sep. 8,2022	Internet, laptop	1.5	Samson
1.7	Create a client agreement form	1 Day	Sep. 7, 2022	Sep. 7, 2022	Internet, laptop	1.6	Abdulhamid
1.8	List of interview questions	1 Day	Sep. 8, 2022	Sep. 8, 2022	Internet, laptop	1.7	All
1.9	Validation of interview questions	2 Days	Sep. 9, 2022	Sep. 10, 2022	Internet, laptop	1.8	Abdulhamid
1.10	Close a deal with a client	6 Days	Sep. 17, 2022	Sep. 22, 2022	Internet, laptop	1.9	All
1.11	Create project action plan	9 Days	Oct. 14, 2022	Oct. 22, 2022	Internet, laptop	1.10	Tarroza, Wong
1.12	Determine project milestones and	2 Days	Oct. 23, 2022	Oct. 24, 2022	Internet,	1.10	Alcontin

Activity		Time Estimates			Required Resources	Dependencies	Person-in-Charge
#		Duration	Start	End			
	deliverables				laptop		
1.13	Create work breakdown structure	2 Days	Oct. 25, 2022	Oct. 26, 2022	Internet, laptop	1.11	Sultan
1.14	Create an online project board	2 Days	Oct. 27, 2022	Oct. 28, 2022	Internet, laptop	1.11	Samson
1.15	Create an online Gantt Chart	2 Days	Oct. 29, 2022	Oct. 30, 2022	Internet, laptop	1.11	Samson
1.16	Create Activity Network Diagram	2 Days	Oct. 31, 2022	Nov. 01, 2022	Internet, laptop	1.15	Sultan
1.17	Determine project critical path and slack time	1 Day	Nov. 02, 2022	Nov. 02, 2022	Internet, laptop	1.16	Sultan
1.18	Collate project documentation for Phase 1	1 Day	Nov. 03, 2022	Nov. 03, 2022	Internet, laptop	1.17	All
Phase 2 – Analysis							
2.1	Identify data collection method	1 Day	Nov. 4, 2022	Nov. 4, 2022	Internet, laptop	1.18	Samson
2.2	Conduct initial data gathering	2 Days	Nov. 5, 2022	Nov. 6, 2022	Internet, laptop	2.1	Samson
2.3	Transcribe and analyze collected data	1 Day	Nov. 7, 2022	Nov. 7, 2022	Internet, laptop	2.2	All
2.4	Propose initial solution for the project	1 Day	Nov. 8, 2022	Nov. 8, 2022	Internet, laptop	2.3	All
2.5	Determine project cost	1 Day	Nov. 9, 2022	Nov. 9, 2022	Internet, laptop	2.4	Tarroza
2.6	Conduct feasibility study	3 Days	Nov. 10, 2022	Nov. 12, 2022	Internet, laptop	2.5	Alcontin
2.7	List initial project requirements	1 Day	Nov. 13, 2022	Nov. 13, 2022	Internet, laptop	2.6	Samson, Abdulhamid
2.8	Determine hardware requirements	3 Days	Nov. 14, 2022	Nov. 16, 2022	Internet, laptop	2.7	All
2.9	Determine software requirements					2.7	All

Activity		Time Estimates			Required Resources	Dependencies	Person-in-Charge
#		Duration	Start	End			
2.10	Determine network requirements					2.7	All
2.11	Determine database requirements					2.7	All
2.12	Identify software specifications	1 Day	Nov. 17, 2022	Nov. 17, 2022	Internet, laptop	2.11	Abdulhamid
2.13	List product features	2 Days	Nov. 18, 2022	Nov. 19, 2022	Internet, laptop	2.12	Samson, Abdulhamid
2.14	List product attributes	2 Days	Nov. 18, 2022	Nov. 19, 2022	Internet, laptop	2.12	Samson, Abdulhamid
2.15	Create product mockups	5 Days	Nov. 20, 2022	Nov. 24, 2022	Internet, laptop	2.14	Abdulhamid
2.16	Finalize documentation for Phase II	3 Days	Nov. 25, 2022	Nov. 27, 2022	Internet, laptop	2.15	All
Phase 3 – Design							
3.1	Determine system architecture	2 Days	Nov. 28,2022	Nov. 29, 2022	Internet, laptop	2.16	Sultan
3.2	Create business use case	2 Days	Nov. 30, 2022	Dec. 01, 2022	Internet, laptop	3.1	Tarroza
3.3	Create context and data flow diagram	2 Days	Dec.02, 2022	Dec. 03, 2022	Internet, laptop	3.2	Alcontin
3.4	Design system models	3 Days	Dec. 04, 2022	Dec. 06, 2022	Internet, laptop	3.3	Sultan
3.5	Design user interface	4 Days	Dec. 07 2022	Dec. 10, 2022	Internet, laptop	3.4	Abdulhamid, Wong
3.6	Create product prototype	7 Days	Dec. 10, 2022	Dec. 16, 2022	Internet, laptop	3.5	Abdulhamid, Wong
3.7	Finalize documentation for Phase III	1 Days	Dec. 17, 2022	Dec. 17, 2022	Internet, laptop	3.6	All
Phase 4 – Coding							
4.1	Write System Module 1 – [Admin Module]	15 Days	Jan. 9, 2023	Jan. 23, 2023	Internet, laptop	3.7	Sultan

Activity		Time Estimates			Required Resources	Dependencies	Person-in-Charge
#		Duration	Start	End			
4.2	Write System Module 2 – [Property Module]	10 Days	Jan. 24, 2023	Feb. 02, 2023	Internet, laptop	4.1	Sultan
4.3	Get feedback from a consultant 1	1 Days	Feb. 03, 2023	Feb. 03, 2023	Internet, laptop	4.2	Abdulhamid
4.4	Debug, fix bugs, and update modules	5 Days	Feb. 04, 2023	Feb. 08, 2023	Internet, laptop	4.3	Sultan
4.5	Write System Module 3 – [Transaction Module]	10 Days	Feb. 09, 2023	Feb. 18, 2023	Internet, laptop	4.4	Tarroza, Sultan
4.6	Write System Module 4 – [Landlord Module]	10 Days	Feb. 19, 2023	Feb. 28, 2023	Internet, laptop	4.5	Samson, Sultan
4.7	Write System Module 5 – [Tenant Module]	10 Days	Mar. 01, 2023	Mar. 10, 2023	Internet, laptop	4.6	Alcontin, Sultan
4.8	Write System Module 6 – [Notification Module]	7 Days	Mar. 11, 2023	Mar. 17, 2023	Internet, laptop	4.7	Wong, Sultan
4.9	Integrate System Modules	10 Days	Mar. 18, 2023	Mar. 27, 2023	Internet, laptop	4.8	Sultan, Abdulhamid
4.10	Get feedback from a consultant 2	1 Days	Mar. 28, 2023	Mar. 28, 2023	Internet, laptop	4.9	Abdulhamid
4.11	Debug, fix bugs, and update modules	5 Days	Mar. 29, 2023	Apr. 02, 2023	Internet, laptop	4.10	Sultan
4.12	Conduct unit testing	3 Days	Apr. 03, 2023	Apr. 05, 2023	Internet, laptop	4.11	Samson, Alcontin
4.13	Finalize product design and coding	4 Days	Apr. 06, 2023	Apr. 09, 2023	Internet, laptop	4.12	All
Phase 5 – Testing							
5.1	Create testing plan	2 Days	Apr. 10, 2023	Apr. 11, 2023	Internet, laptop	4.13	Samson, Abdulhamid
5.2	Create test cases	3 Days	Apr. 12, 2023	Apr. 14, 2023	Internet, laptop	5.1	Abdulhamid, Sultan
5.3	Conduct alpha testing	2 Days	Apr. 15, 2023	Apr. 16, 2023	Internet,	5.2	Abdulhamid,

Activity		Time Estimates			Required Resources	Dependencies	Person-in-Charge
#		Duration	Start	End			
					laptop		Sultan
5.4	Conduct beta testing	2 Days	Apr. 17, 2023	Apr. 18, 2023	Internet, laptop	5.3	Abdulhamid, Sultan
5.5	Fix system errors	5 Days	Apr. 19, 2023	Apr. 23, 2023	Internet, laptop	5.4	Abdulhamid, Sultan
5.6	Conduct software/product attributes testing	3 Days	Apr. 24, 2023	Apr. 26, 2023	Internet, laptop	5.5	Samson, Alcontin
5.7	Conduct user acceptance testing	3 Days	Apr. 27, 2023	Apr. 29, 2023	Internet, laptop	5.6	Abdulhamid, Alcontin
5.8	Create migration plan	3 Days	Apr. 30, 2023	May 01, 2023	Internet, laptop	5.7	Samson
5.9	Deploy system/product to client's site	3 Days	May 02, 2023	May 05, 2023	Internet, laptop	5.8	Sultan, Wong
Phase 6 - Maintenance							
6.1	Create product manual	2 Days	May 20, 2023	May 21, 2023	Internet, laptop	5.9	Sultan, Samson
6.2	Gather and analyze customer feedback	2 Days	May 22, 2023	May 23, 2023	Internet, laptop	6.1	Abdulhamid, Alcontin
6.3	Perform corrective maintenance	2 Days	May 24, 2023	May 25, 2023	Internet, laptop	6.2	Alcontin, Sultan
6.4	Perform perfective maintenance	2 Days	May 26, 2023	May 27, 2023	Internet, laptop	6.3	Alcontin, Sultan
6.5	Perform adaptive maintenance	1 Day	May 28, 2023	May 28, 2023	Internet, laptop	6.4	Alcontin, Sultan
6.6	Finalize project documentation	3 Days	May 29, 2023	May 31, 2023	Internet, laptop	3.7, 4.13, 6.5	All
6.7	Turn-over project to client and close the project	1 Day	Jun. 01, 2023	Jun. 01, 2023	Internet, laptop	6.6	Samson

3.2 Work Breakdown

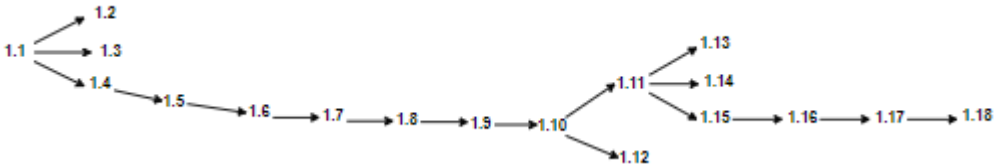
Figure 3: Work Breakdown Structure

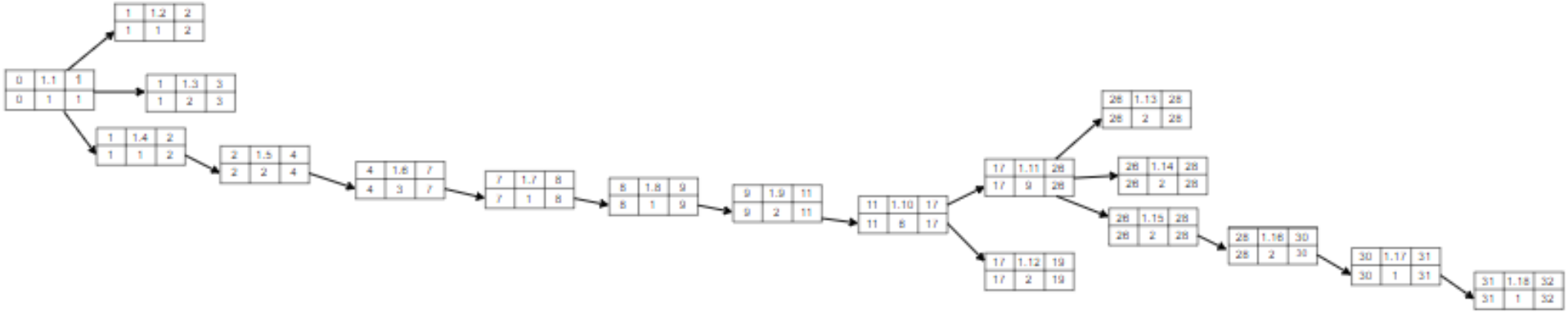
3.3 Network diagram

Figure 4: Network Diagram

Phase 1 - Planning

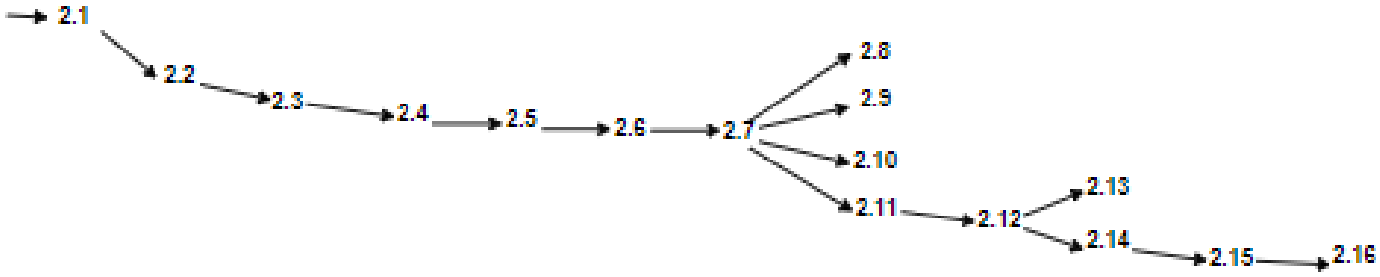
Activity	Predessor	Duration (Days)
1.1	-	1
1.2	1.1	1
1.3	1.1	2
1.4	1.1	1
1.5	1.4	2
1.6	1.5	3
1.7	1.6	1
1.8	1.7	1
1.9	1.8	2
1.10	1.9	6
1.11	1.10	9
1.12	1.10	2
1.13	1.11	2
1.14	1.11	2
1.15	1.11	2
1.16	1.15	2
1.17	1.16	1
1.18	1.17	1

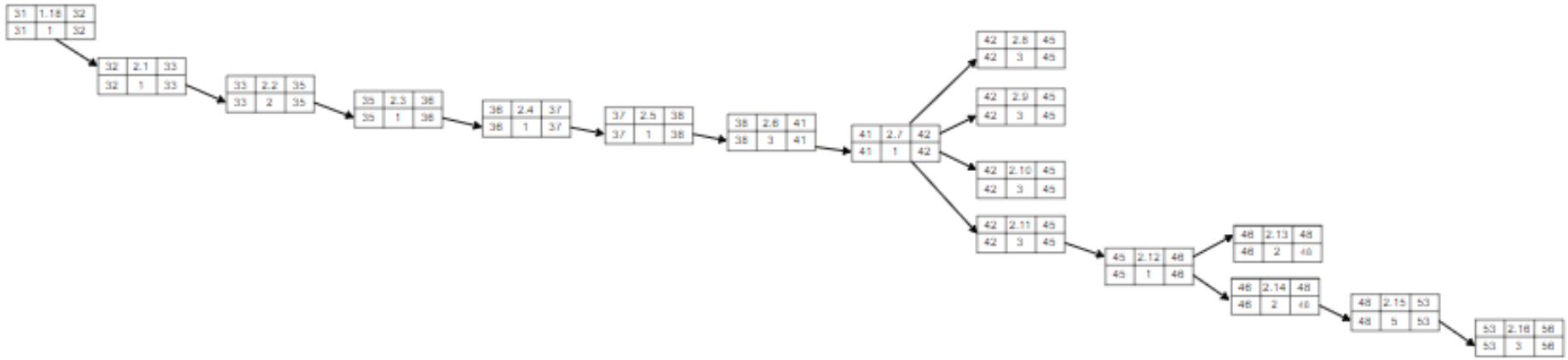




Phase 2 - Analysis

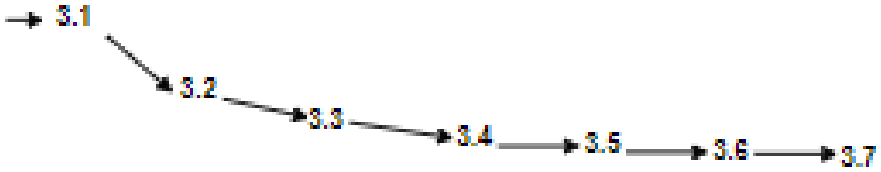
Activity	Predecessor	Duration (Days)
2.1	1.18	1
2.2	2.1	2
2.3	2.2	1
2.4	2.3	1
2.5	2.4	1
2.6	2.5	3
2.7	2.6	1
2.8	2.7	3
2.9	2.7	3
2.10	2.7	3
2.11	2.7	3
2.12	2.11	1
2.13	2.12	2
2.14	2.12	2
2.15	2.14	5
2.16	2.15	3

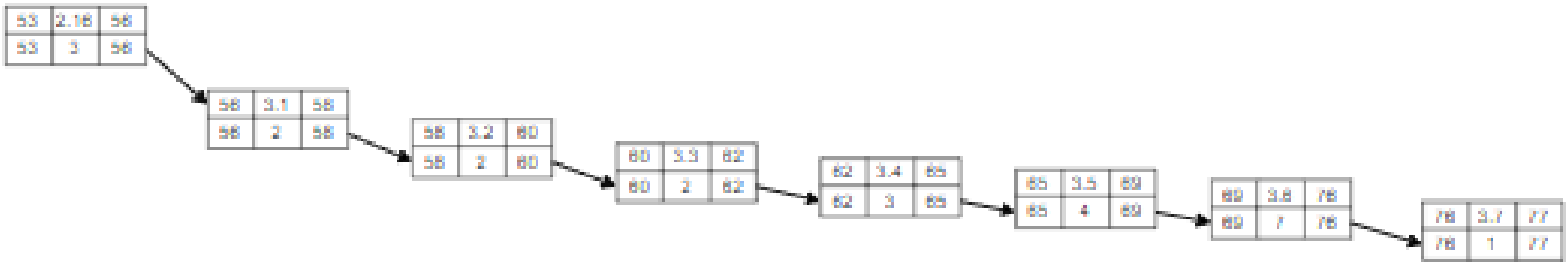




Phase 3 - Design

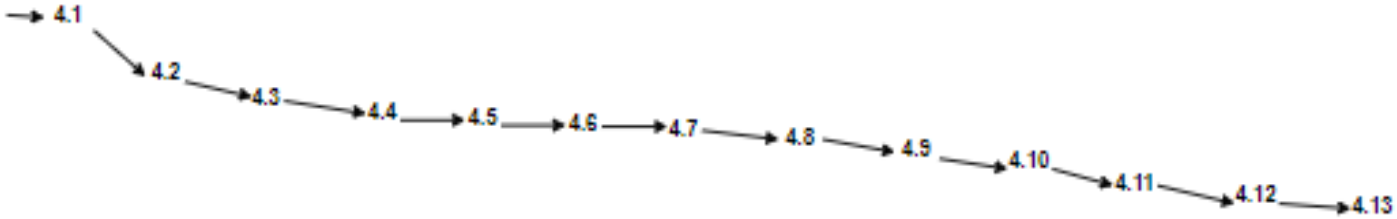
Activity	Predecessor	Duration (Days)
3.1	2.18	2
3.2	3.1	2
3.3	3.2	2
3.4	3.3	3
3.5	3.4	4
3.6	3.5	7
3.7	3.6	1

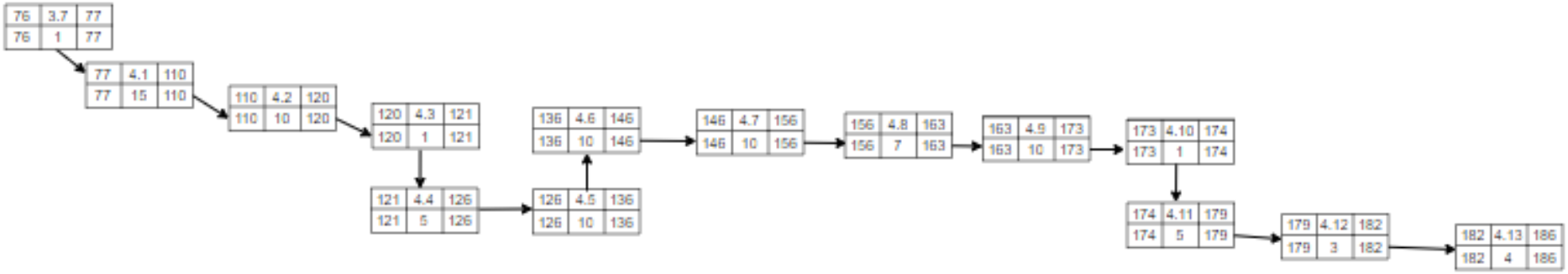




Phase 4 - Coding

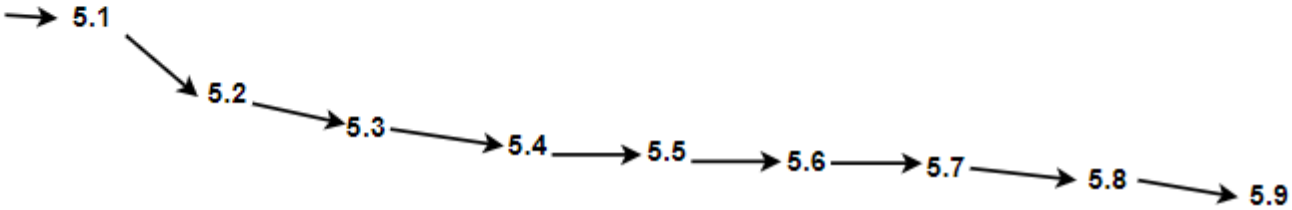
Activity	Predecessor	Duration (Days)
4.1	3.7	15
4.2	4.1	10
4.3	4.2	1
4.4	4.3	5
4.5	4.4	10
4.6	4.5	10
4.7	4.6	10
4.8	4.7	7
4.9	4.8	10
4.10	4.9	1
4.11	4.10	5
4.12	4.11	3
4.13	4.12	4

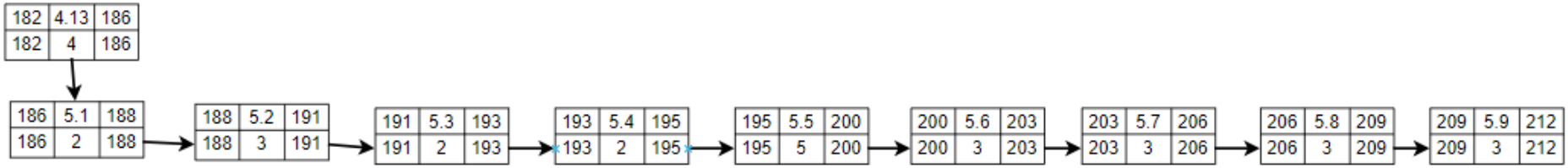




Phase 5 - Testing

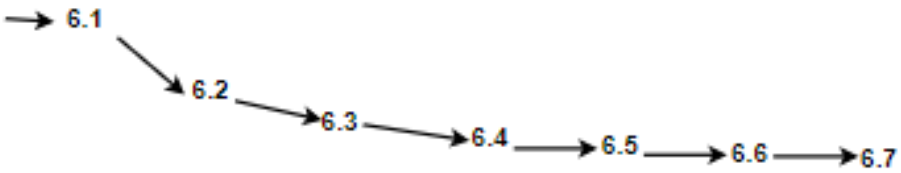
Activity	Predessor	Duration (Days)
5.1	4.13	2
5.2	5.1	3
5.3	5.2	2
5.4	5.3	2
5.5	5.4	5
5.6	5.5	3
5.7	5.6	3
5.8	5.7	3
5.9	5.8	3

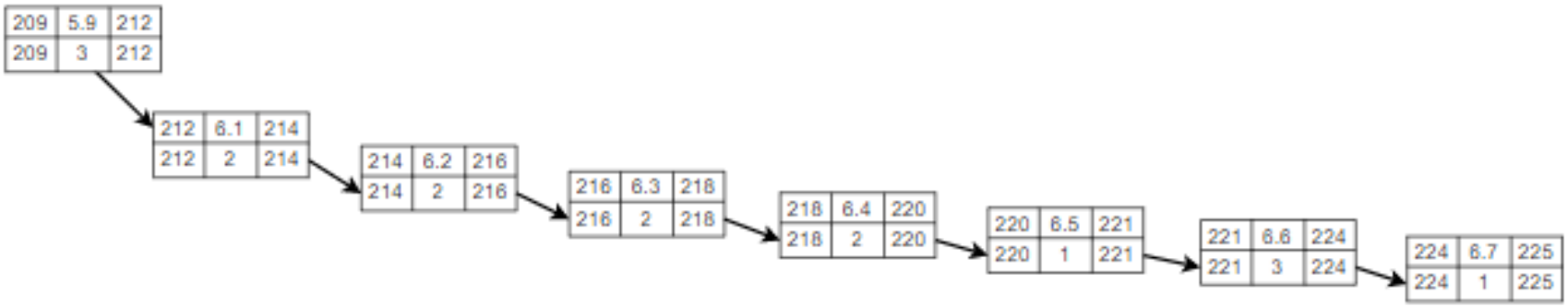




Phase 6 - Maintenace

Activity	Predesesor	Duration (Days)
6.1	5.9	2
6.2	6.1	2
6.3	6.2	2
6.4	6.3	2
6.5	6.4	1
6.6	3.7, 4.13, 6.5	3
6.7	6.6	1

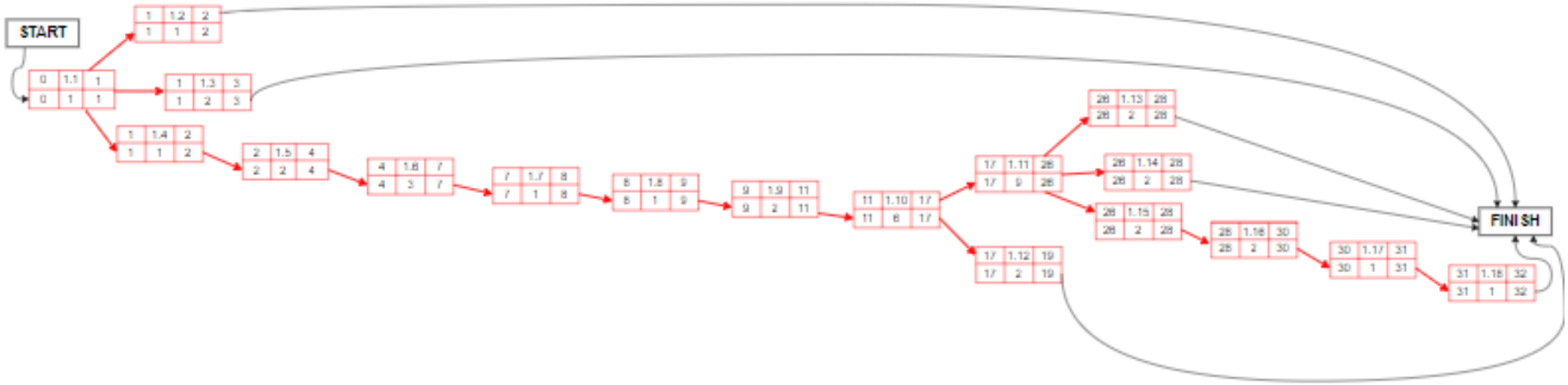




Calculate Critical Path and Slack (Include these calculations in the final Network Diagram)

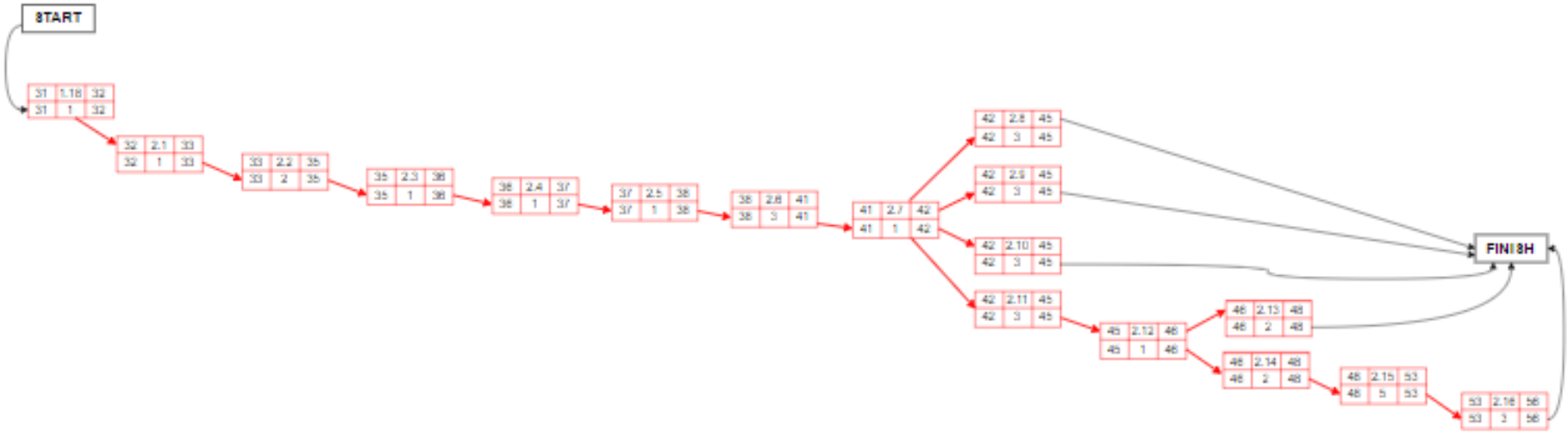
Phase 1 - Planning

Activity	Predessor	Duration (Days)
1.1	-	1
1.2	1.1	1
1.3	1.1	2
1.4	1.1	1
1.5	1.4	2
1.6	1.5	3
1.7	1.6	1
1.8	1.7	1
1.9	1.8	2
1.10	1.9	6
1.11	1.10	9
1.12	1.10	2
1.13	1.11	2
1.14	1.11	2
1.15	1.11	2
1.16	1.15	2
1.17	1.16	1
1.18	1.17	1



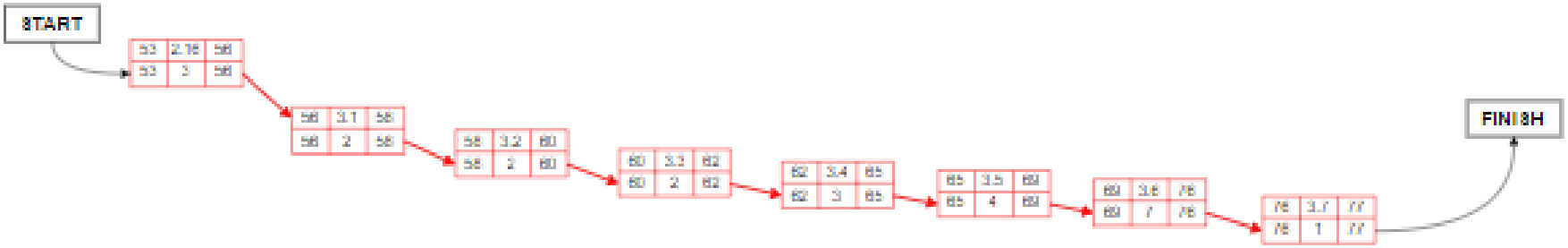
Phase 2 - Analysis:

Activity	Predecessor	Duration (Days)
2.1	1.18	1
2.2	2.1	2
2.3	2.2	1
2.4	2.3	1
2.5	2.4	1
2.6	2.5	3
2.7	2.6	1
2.8	2.7	3
2.9	2.7	3
2.10	2.7	3
2.11	2.7	3
2.12	2.11	1
2.13	2.12	2
2.14	2.12	2
2.15	2.14	5
2.16	2.15	3



Phase 3 - Design

Activity	Predecessor	Duration (Days)
3.1	2.16	2
3.2	3.1	2
3.3	3.2	2
3.4	3.3	3
3.5	3.4	4
3.6	3.5	7
3.7	3.6	1

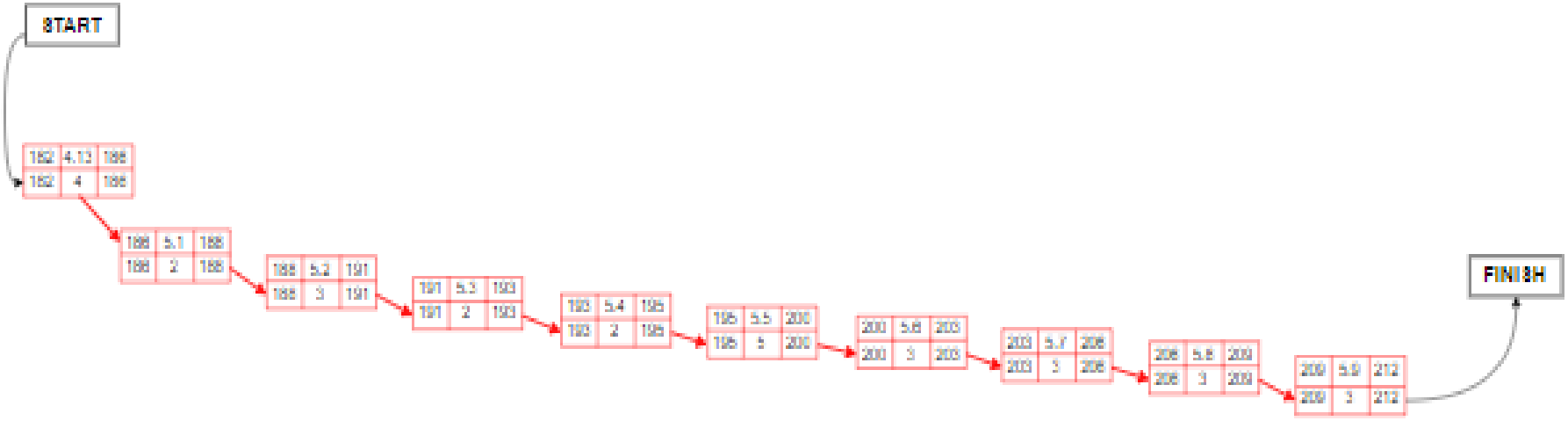


Phase 4 - Coding

Activity	Predecessor	Duration (Days)
4.1	3.7	15
4.2	4.1	10
4.3	4.2	1
4.4	4.3	5
4.5	4.4	10
4.6	4.5	10
4.7	4.6	10
4.8	4.7	7
4.9	4.8	10
4.10	4.9	1
4.11	4.10	5
4.12	4.11	3
4.13	4.12	4

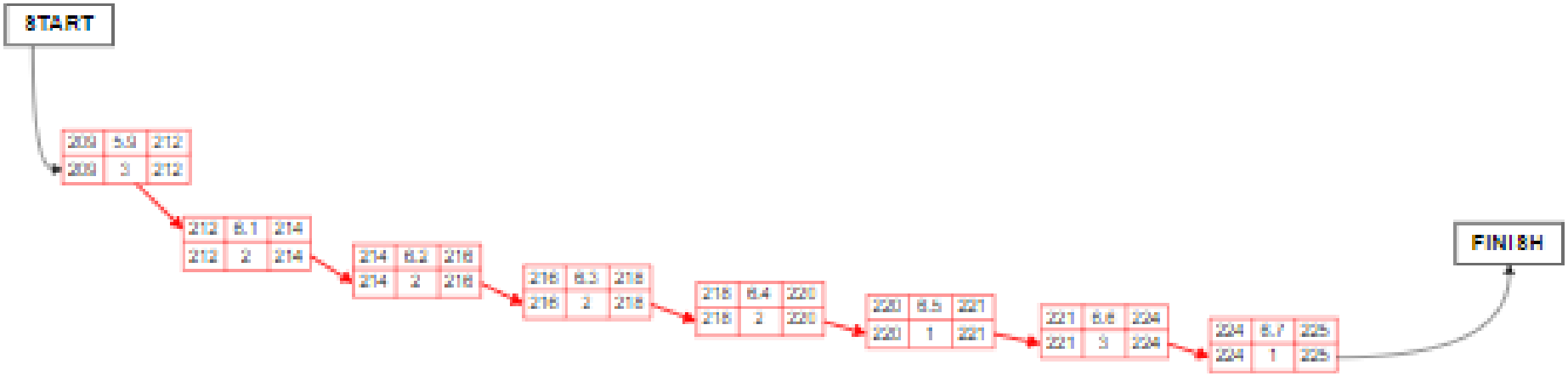
Phase 5 - Testing

Activity	Predecessor	Duration (Days)
5.1	4.13	2
5.2	5.1	3
5.3	5.2	2
5.4	5.3	2
5.5	5.4	5
5.6	5.5	3
5.7	5.6	3
5.8	5.7	3
5.9	5.8	3



Phase 6 - Maintenace

Activity	Predecessor	Duration (Days)
6.1	5.5	2
6.2	6.1	2
6.3	6.2	2
6.4	6.3	2
6.5	6.4	1
6.6	3.7, 4.13, 6.5	3
6.7	6.6	1



3.4 Milestones and deliverables

Table 2: Milestones and Deliverables

Milestones	Deliverables
1. Company Establishment	Document of Company Profile a) Company Name b) Company Logo c) Company Mission d) Company Vision e) Company Goals f) Company Policies 1. Meetings 2. Funding 3. Penalties and Offenses g) Company Organizational
2. Project Hunting and Initial Data Gathering	a. Client Agreement Form b. Data Collection Method c. Interview Questions d. Initial Interview with the client e. Transcribe and Analyze Collected Data
3. Project Plan	a) Action Plan b) Milestone and Deliverables
4. Work Breakdown Structure Tree Diagram	Designing the wireframe
5. Network Diagram	a. Project Critical Path b. Project Slack Time
6. Project Cost	Documents of Project total funds to complete the project
7. Project Feasibility Analysis	a. Candidate Solution Matrix b. Technology Gap Analysis c. Feasibility Study 1. Operational Feasibility 2. Technical Feasibility 3. Schedule Feasibility 4. Economic Feasibility 5. Cultural Feasibility 6. Legal Feasibility d. Feasibility Analysis Matrix
8. Project Requirements	a. Hardware Requirements b. Software Requirements c. Network Requirements d. Database Requirements
9. Software Specifications	a. Product Features

	b. Product Attributes
10. Product Mockups	Initial Virtual Design of Software Interface
11. System Architecture	a. Use Case Diagram b. Context and Data Flow Diagram c. Entity – Relationship Diagram
12. Design Prototype	a. User Experiences b. New Requirements
13. Initial Prototype	a. Feedback/Suggestions from client b. Transcribe and Analyze Collected Data c. Initial Solution
14. Final Prototype	a. Interpretations of client's suggestions b. New Requirements
15. System Modules	a. Landowner Module b. Tenants Module c. Transactions Module d. Admin Module e. Product Category Module f. Notifications Module

CHAPTER 4– PROJECT COST

4.1 Cost of Project Resources

4.1.1 Effort Cost

To compute the Cost of each Employee's effort/labor, the required working hours multiply thehourly rate and the Total days of work.

Job Description	Person In Charge	Hours/Day	Rate/Hour	Total Working Days	Total
Project Manager	Samson	8hrs	Php 120	226	Php 216,960
Business Analyst	Tarroza	8hrs	Php 110	226	Php 198,880
Lead Developer	Sultan	8hrs	Php 130	226	Php 235, 040
Assistant Developer	Wong	8hrs	Php110	226	Php 198,880
Ui/Ux Designer	Abdulhamid	8hrs	Php 110	226	Php 198,880
Quality Assurance Engineer	Alcontin	8hrs	Php 110	226	Php 198,880
				Total	Php 1,247,520

Table 3. Effort Cost

4.1.2 Hardware Cost

Item	Unit	Per/Unit	Quantity	Total
Laptop	Set	Php 35,000	6	Php 210,000.00
Flash Drive	30GB/pc	Php 1, 200	6	Php 7,200.00
			Total	Php 217,200.00

Table 4: Hardware Cost

4.1.3 Software Cost

Item	Unit	Prices/Unit	Quantity	Total
Software For Development		Free		
(HTML,CSS, JS, PHP, Mysql, PYTHON)	License		6	Free
Hostinger	Account	Php1,428.00	1 Year	Php 1,428.00
Domain	Account	Php 50.00	1 Year	Php 50.00
			Total	Php 1,478.00

Table 5: Software Cost

4.1.4 Miscellaneous Cost

Item	Total
Food Allowance (8-10 Months)	PHP 115,200.00
Transportation	PHP 24,000.00
Utility	PHP 40,000
Documentation	PHP 7,000.00
Total	PHP 186,200

Table 6: Miscellaneous Cost

4.1.5 Overall Cost

Expenses	Total
Effort cost	Php 1,247,520
Hardware cost	Php 217,200.00
Software cost	Php 1,478.00
Miscellaneous	PHP 186,200
Total	PHP 1,652,398

Table 7: Overall Cost

4.1.6 Return On investment

	Year				
Type of Cost	**2023**	**2024**	**2025**	**2026**	**Total**
Salary	Php 1,247,520	0	0	0	Php 1,247,520
Hardware	Php 217,200	0	0	0	Php 217,200
Software	Php 1,478	0	0	0	Php 1,478
Miscellaneous	Php 186,200	0	0	0	Php 186,200

Table 8: Development Cost

	Year				
Type of Cost	**2023**	**2024**	**2025**	**2026**	**Total**
Maintenance	0	PHP 15,000.00	PHP 25,000.00	PHP 35,000.00	PHP 75,000.00
Repairs	0	PHP 10,000.00	PHP 20,000.00	PHP 40,000.00	PHP 70,000.00
Upgrades	0	PHP 20,000.00	PHP 30,000.00	PHP 50,000,00	PHP 100,000.00
Utility	0	PHP 15,000.00	PHP 25,000.00	PHP 35,000.00	PHP 75,000.00
Total	0	PHP 60,000.00	PHP 100,000.00	PHP 160,000.00	PHP 320,000.00

Table 9: Operational Cost

	Year				
Type of Cost	**2023**	**2024**	**2025**	**2026**	**Total**
Reduce office supplies	0	Php 40,000.00	Php 60,000.00	Php 80,000.00	Php 180,000
Increase sales	0	Php 250,000.00	Php 700,000.00	Php 1,100,000.00	Php 2050000
Reduce wages	0	Php 200,000.00	Php 200,000.00	Php 200,000.00	Php 600,000
Total	0	Php 490,000.00	960,000.00	Php 1,380,000.00	Php 2,830,000

Table 10: Benefits

To get the ROI:

- Formula:

  ROI = (Benefits – (Total Cost)) / Total Cost x 100

- Given:

  Benefits = 2,830,000

  Development Cost = 1,652,398

  Operational Cost = 320,000

- Where:

  Total Cost = (Development Cost + Operational Cost)

  Total Cost = 1,972,398

ROI = (Benefits – (Total Cost)) / Total Cost x 100
ROI = (2,830,000– 1,972,398) / 1,972,398 x 100
ROI = 857,602 / 1,972,398 x 100
ROI = 0.43480169823 x 100
ROI = 43.48% in 3 years after the development

Project Resulted to positive (+) ROI.

4.2 Intelligible Cost

- Speed-up clients lease process
- Improve rental management
- Promote transparency of lease and bills
- Improved client's satisfaction
- Improve security
- Improve data privacy

CHAPTER 5– Requirements Engineering

5.1 Methodology

The software process model that the company chose is the agile model. This divides development processes into successive project phases. The processes are requirements, design, develop, test, deploy, review

The first development process of the software model is requirements, in this stage the team gather and analyze the need and expectation of the client and stakeholders, such as the admin, landlord, and tenants. The team will identify the necessary features and functionalities for the system such as the tenant management, rent collection, vacancy management and reports.

The second development process of the software model is design, the goal of this phase is to create and have a blueprint that a developers can follow. The team will make a structured design through the collected requirements in phase one, this includes defining the system architecture, data models, the user interface design, and process flows.

The third development process of the software model is developed, the programmers write a code to implement the features and functionalities outlined in the design phase. They will follow the given specifications and collaborate with the UI designer and UX designer to ensure the system is built according to the requirements.

The fourth development process of the software model is test, this phase ensures the quality and reliability of the system, the quality assurance member performs various types of tests, such us unit test, system tests, user acceptance test, and integration test to validate that the system meets the requirements and free from bugs. Additionally, any issues discovered by the tester during the testing are reported and addressed by the development team.

The fifth development process of the software model is deployed, in this phase once the system has been thoroughly tested and deemed ready for use, it is deployed to a production environment. This may involve installing the software on the appropriate servers, setting up the necessary infrastructure, and configuring the system for use by the end-users.

Lastly, the sixth development process of the software model is review. After the deployment phase, the team gathers feedback from the end-users and stakeholders to evaluate how well the system is meeting their needs and expectations. This feedback may reveal areas for improvement, new requirements, or potential issues that were not identified during testing. The development team can then address these concerns and make any necessary adjustments to the system.

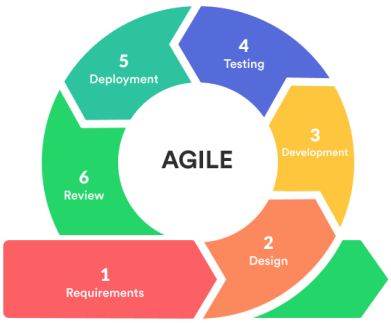


Figure 5: Waterfall Model

5.2 Client, Customers, and other Stakeholders

Client

The company client is Dr. Fatima Hafza D. Sahiddin, a doctor of pediatrics. She finished her tertiary school at Western Mindanao State University in the year 2013 with a bachelor's degree in Nursing. And the owner of the rental apartment situated at Purok 11A Acacia Drive, Upper Calarian, Zamboanga City.

Customers

The customers of the establishment are mainly people who wants to have an apartment

User	Role/Function
Admin	All
Landlords	• collect rent payments • handle maintenance and repairs • enforce lease terms • screen potential tenants • manage financial records.
Tenants	Rent apartment from landlords

Other stakeholders

- Mr. Jaydee Ballaho - Software Engineer 2 Instructor
- Engr. Marjorie A. Rojas- Software Engineer 2 Instructor

5.3 Project Constraints

5.3.1 Implementation Environment

5.3.1.1 Software Requirements

The following are the software requirements needed for the development of the project;

- Apache – Local Web Server
- MySQL, PHP – database
- HTML, CSS and JavaScript – for custom code
- Bootstrap – framework
- PHP – Back-end development

5.3.1.2 Hardware Requirements

The following are the hardware requirements needed for the development of the project;

- Development
- Laptop/PC

5.3.1.3 Network Requirements

The following are the network requirements needed for the development of the project;

- Wi-Fi Connection.

5.3.1.4 Partner Applications

The following are the partner applications needed for the development of the project;

- None

5.4 Scope of the Product

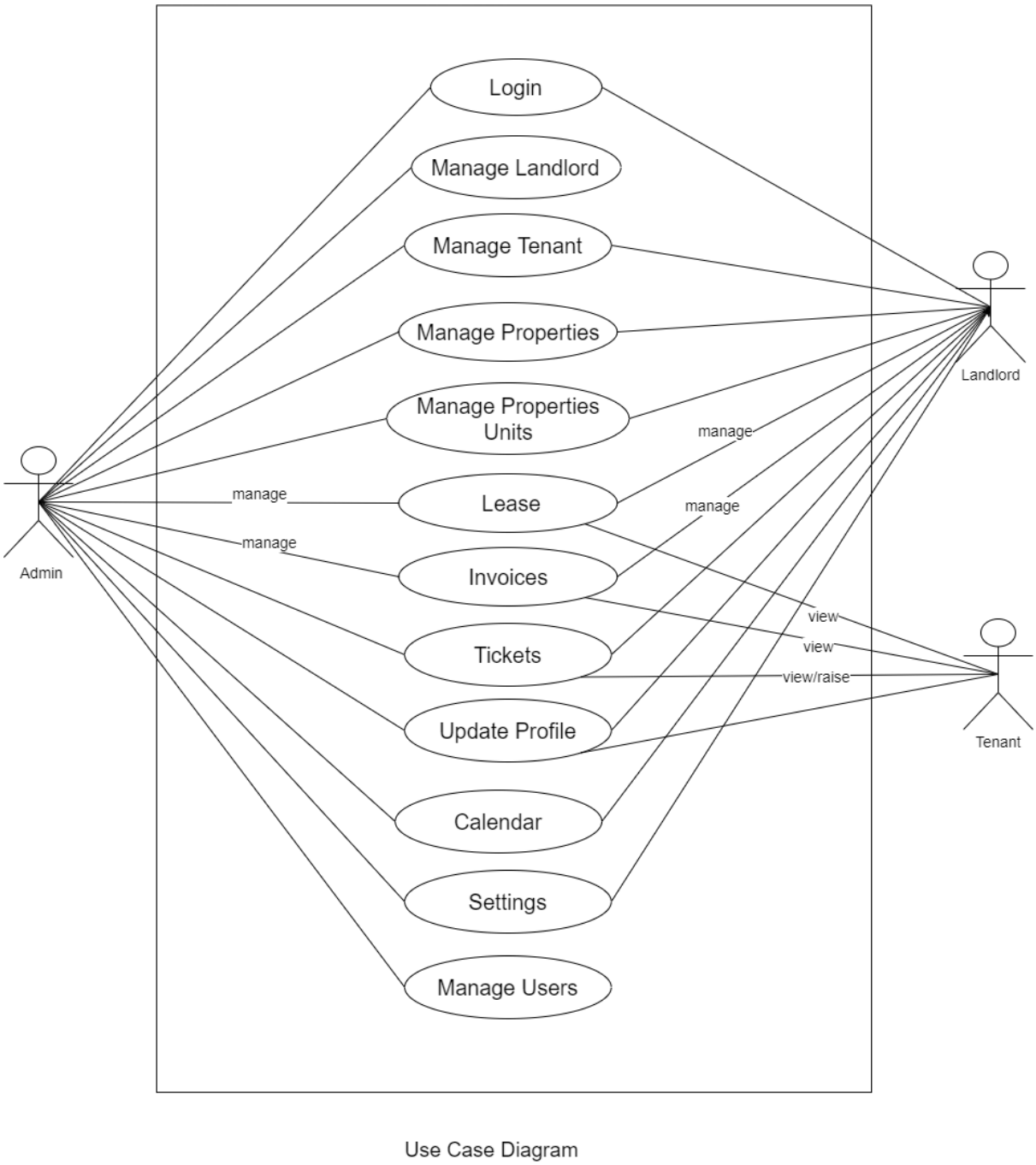


Figure 6: Use Case Diagram

5.5 Functional Requirements

Table 11: Functional Requirements

REQUIREMENTS # 1	
DESCRIPTION	The system should allow admins/landlords/tenants to login in the system using their valid email and password.
RATIONALE	To ensure that only authorized individuals can access the system and redirect user to dashboard.
FIT CRITERION	The login process should be easy to understand and follow, and should not take a lot of time to complete.
ORIGINATOR	User
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 2	
DESCRIPTION	The system should allow admins/landlords/tenants to logout in the system.
RATIONALE	To ensure the security and privacy of user account.
FIT CRITERION	The users must first sign in with their valid credentials for them to logout. The system should provide a visible and easy accessible logout button.
ORIGINATOR	User
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 3	
DESCRIPTION	The system should provide admin dashboard that displays the total number of tenants, landlords, property, property units, calendar, and total income for the month.
RATIONALE	To provide the system administrator with critical information needed in monitoring the system health, performance, and activity.
FIT CRITERION	The admin dashboard should be accessible from the admin user's home page and should be designed to provide a clear, concise overview of the system performance and status.
ORIGINATOR	Admin
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 4	
DESCRIPTION	The system should provide functionality for admin to add, edit, delete, and view tenant details.
RATIONALE	To be able to add new tenant, edit existing tenant details, delete tenant records and view tenant information.
FIT CRITERION	The system should allow the admin user to add, edit, view and delete tenant details to provide data validation and error handling and prevent invalid data from being entered in the system. The system should also

	provide search functionality to enable the admin user to quickly find and view tenant details.
ORIGINATOR	Admin
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 5	
DESCRIPTION	The system should provide functionality for admin to add, edit, delete, and view landlord details.
RATIONALE	To be able to add new landlord, edit existing landlord details, delete landlord records and view landlord information.
FIT CRITERION	The system should allow the admin user to add, edit, view and delete tenant details to provide data validation and error handling and prevent invalid data from being entered in the system. The system should also provide search functionality to enable the admin user to quickly find and view landlord details.
ORIGINATOR	Admin
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 6	
DESCRIPTION	The system should provide functionality for admin to add, edit, delete, and view property details.
RATIONALE	To be able to add new properties, edit existing property details, delete property records and view property information to monitor availability and rental prices.
FIT CRITERION	The system should allow the admin user to add, edit, view and delete property details to provide data validation and error handling and prevent invalid data from being entered in the system. The system should also provide search functionality to enable the admin user to quickly find and view property details.
ORIGINATOR	Admin
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 7	
DESCRIPTION	The system should provide functionality for admin to add, edit, delete, and view property units details.
RATIONALE	To be able to add new property units, edit existing property unit details, delete property unit records and view property unit information.
FIT CRITERION	The system should allow the admin user to add, edit, view and delete property unit details to provide data validation and error handling and prevent invalid data from being entered in the system. The system should also provide search functionality to enable the admin user to quickly find and view property units details.

ORIGINATOR	Admin
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 8	
DESCRIPTION	The system should provide functionality for admin to add, edit, delete, view and terminate lease.
RATIONALE	To be able to add new lease agreement, edit existing lease details, delete lease records when necessary and view lease information.
FIT CRITERION	The system should allow the admin user to add, edit, view and delete property unit details to provide data validation and error handling and prevent invalid data from being entered in the system. The system should also provide search functionality to enable the admin user to quickly find and view lease details.
ORIGINATOR	Admin
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 9	
DESCRIPTION	The system should provide functionality for admin to view the list of all invoices.
RATIONALE	To be able to access and monitor all invoices associated with the system to ensure that payments are made on time, rental amounts are accurate, and tenants are informed of invoicing details.
FIT CRITERION	The system should provide a comprehensive list of all invoices with the ability to search, sort, and filter invoices by various criteria.
ORIGINATOR	Admin
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 10	
DESCRIPTION	The system should provide functionality for admin to generate invoices for the apartment rental payments.
RATIONALE	To keep track of rental income and ensure that tenants are paying their rent on time.
FIT CRITERION	The system should allow admin to generate invoices which includes the rental charges, penalties, utility bills and other associated charges based on the terms of rental agreement.
ORIGINATOR	Admin
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 11	
DESCRIPTION	The system should provide functionality for admin to view, edit, and delete pay invoices for apartment rentals.
RATIONALE	To be able to manage pay invoices, ensure accurate record-keeping and resolve any payment discrepancies or errors.
FIT CRITERION	The system should allow admin to search for pay invoices by tenant name, floor and apartment number, or invoice number. The pay invoices should be editable only within a specific time frame and only authorized personnel can delete and edit it.
ORIGINATOR	Admin
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 12	
DESCRIPTION	The system should provide functionality for admin to view paid and unpaid invoices for apartment rentals.
RATIONALE	To be able to view the status of paid invoices, ensure accurate record-keeping and follow up on any unpaid invoices.
FIT CRITERION	The system should be updated in real-time to reflect the current status of paid and unpaid invoices.
ORIGINATOR	Admin
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 13	
DESCRIPTION	The system should provide functionality for admin to view and add events on a shared calendar.
RATIONALE	To be able to coordinate events and activities for the apartment complex, such as maintenance schedules, communities events, and rental payment schedules.
FIT CRITERION	The system should be updated in real-time to reflect any changes or additions to the calendar.
ORIGINATOR	Admin
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 14	
DESCRIPTION	The system should provide functionality for admin to view and add new users to the apartment rental management system.
RATIONALE	To be able to add new user to the system such as landlords and tenants, to ensure that they have access to the necessary information and functionality.
FIT CRITERION	The admin should be able to assign user roles and permissions, such as read-only access and full administrative access. The system should be

	updated in real-time also to reflect any changes to the additional user list.
ORIGINATOR	Admin
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 15	
DESCRIPTION	The system should provide functionality for admin to update their own profile.
RATIONALE	To be able to update their own profile information such as contact information, job title, to ensure that they have accurate and up-to-date information.
FIT CRITERION	The system should allow admin to be able to edit personal details and to provide an option to upload a profile picture.
ORIGINATOR	Admin
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 16	
DESCRIPTION	The system should provide functionality for admin to view and update the terms and conditions for apartment rentals.
RATIONALE	To be able to update the terms and conditions such as the lease agreements, to ensure that they are up-to-date and comply with the legal requirements.
FIT CRITERION	The admin should be able to update terms and conditions as necessary and the updated terms and conditions should be made available to all tenants via the system.
ORIGINATOR	Admin
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 17	
DESCRIPTION	The system should provide landlord dashboard that displays the total number of tenants, pending tickets, the total number of property, and the total number of property units, calendar, and total income for the month.
RATIONALE	To provide the system landlord with critical information needed in monitoring the system health, performance, and activity.
FIT CRITERION	The admin dashboard should be accessible from the admin user's home page and should be designed to provide a clear, concise overview of the system performance and status.
ORIGINATOR	Landlord
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 18	
DESCRIPTION	The system should provide functionality for landlord to add, edit, delete, and view tenant details.
RATIONALE	To be able to add new tenant, edit existing tenant details, delete tenant records and view tenant information.
FIT CRITERION	The system should allow the landlord to add, edit, view and delete tenant details to provide data validation and error handling and prevent invalid data from being entered in the system. The system should also provide search functionality to enable the admin user to quickly find and view tenant details.
ORIGINATOR	Landlord
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 19	
DESCRIPTION	The system should provide functionality for landlord to manage property.
RATIONALE	To be able to add new properties, edit existing property details, delete property records and view property information to monitor availability and rental prices.
FIT CRITERION	The system should allow the landlord to add, edit, view and delete property details to provide data validation and error handling and prevent invalid data from being entered in the system. The system should also provide search functionality to enable the admin user to quickly find and view property details.
ORIGINATOR	Landlord
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 20	
DESCRIPTION	The system should provide functionality for landlord to add, edit, delete, and view property units details.
RATIONALE	To be able to add new property units, edit existing property unit details, delete property unit records and view property unit information.
FIT CRITERION	The system should allow the landlord user to add, edit, view and delete property unit details to provide data validation and error handling and prevent invalid data from being entered in the system. The system should also provide search functionality to enable the admin user to quickly find and view property units details.
ORIGINATOR	Landlord
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 21	
DESCRIPTION	The system should provide functionality for landlord to add, edit, delete, view and terminate lease.
RATIONALE	To be able to add new lease agreement, edit existing lease details, delete lease records when necessary and view lease information.
FIT CRITERION	The system should allow the landlord user to add, edit, view and delete property unit details to provide data validation and error handling and prevent invalid data from being entered in the system. The system should also provide search functionality to enable the admin user to quickly find and view lease details.
ORIGINATOR	Landlord
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 22	
DESCRIPTION	The system should provide functionality for landlord to view the list of all invoices.
RATIONALE	To be able to access and monitor all invoices associated with the system to ensure that payments are made on time, rental amounts are accurate, and tenants are informed of invoicing details.
FIT CRITERION	The system should provide a comprehensive list of all invoices with the ability to search, sort, and filter invoices by various criteria.
ORIGINATOR	Landlord
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 23	
DESCRIPTION	The system should provide functionality for landlord to generate invoices for the apartment rental payments.
RATIONALE	To keep track of rental income and ensure that tenants are paying their rent on time.
FIT CRITERION	The system should allow landlord to generate invoices which includes the rental charges, penalties, utility bills and other associated charges based on the terms of rental agreement.
ORIGINATOR	Landlord
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 24	
DESCRIPTION	The system should provide functionality for landlord to view, edit, and delete pay invoices for apartment rentals.
RATIONALE	To be able to manage pay invoices, ensure accurate record-keeping and resolve any payment discrepancies or errors.
FIT CRITERION	The system should allow landlord to search for pay invoices by tenant

	name, floor and apartment number, or invoice number. The pay invoices should be editable only within a specific time frame and only authorized personnel can delete and edit it.
ORIGINATOR	Landlord
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 25	
DESCRIPTION	The system should provide functionality for landlord to view paid and unpaid invoices for apartment rentals.
RATIONALE	To be able to view the status of paid invoices, ensure accurate record-keeping and follow up on any unpaid invoices.
FIT CRITERION	The system should be updated in real-time to reflect the current status of paid and unpaid invoices.
ORIGINATOR	Landlord
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 26	
DESCRIPTION	The system should provide functionality for landlords to view and add events on a shared calendar.
RATIONALE	To be able to coordinate events and activities for the apartment complex, such as maintenance schedules, community events, and rental payment schedules.
FIT CRITERION	The system should be updated in real-time to reflect any changes or additions to the calendar.
ORIGINATOR	Landlord
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 27	
DESCRIPTION	The system should provide functionality for landlord to update their own profile.
RATIONALE	To be able to update their own profile information such as contact information, job title, to ensure that they have accurate and up-to-date information.
FIT CRITERION	The system should allow landlord to be able to edit personal details and to provide an option to upload a profile picture.
ORIGINATOR	Landlord
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 28	
DESCRIPTION	The system should provide functionality for landlord to view the terms and conditions for apartment rentals.
RATIONALE	To be able to view the terms and conditions such as the lease agreements, to ensure that it comply with the legal requirements.
FIT CRITERION	The landlord should be able to view terms and conditions as necessary and should be made available to all tenants via the system.
ORIGINATOR	Landlord
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 29	
DESCRIPTION	The system should provide a tenant dashboard that displays the pending tickets, closed tickets, and the balance of the rental payment.
RATIONALE	To be able to view their maintenance ticket status and rental payment balance in one centralized location to ensure that they are aware of their responsibilities and obligations.
FIT CRITERION	The tenant dashboard should be user-friendly and intuitive, displaying information in a clear and concise manner. The dashboard should be updated in real-time to reflect any changes made such as the payment balance.
ORIGINATOR	Tenant
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 30	
DESCRIPTION	The system should provide functionality for tenant to update their own profile.
RATIONALE	To be able to update their own profile information such as contact information, and job title, to ensure that they have accurate and up-to-date information.
FIT CRITERION	The system should allow the tenant to edit personal details and provide an option to upload a profile picture.
ORIGINATOR	Tenant
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 31	
DESCRIPTION	The system should provide functionality for tenant to view lease.
RATIONALE	To be able to view its own lease agreement at any time to ensure that they are aware on their rental terms and conditions.
FIT CRITERION	The system should allow the tenant user to view its own lease and provide

	history of any changes made.
ORIGINATOR	Tenant
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 32	
DESCRIPTION	The system should provide functionality for tenant to view their own invoices.
RATIONALE	To be able to access their invoices at any time to ensure they are aware of their rental payment history and current balance.
FIT CRITERION	The invoices should be displayed in a user-friendly and easily understandable format, with all relevant details such as date, amount, and payment status clearly visible.
ORIGINATOR	Tenant
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 33	
DESCRIPTION	The system should provide functionality for tenants to view calendar events
RATIONALE	To be able to coordinate events and activities for the apartment complex, such as maintenance schedules, community events, and rental payment schedules.
FIT CRITERION	The system should be updated in real-time to reflect any changes or additions to the calendar.
ORIGINATOR	Tenant
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

REQUIREMENTS # 34	
DESCRIPTION	The system should provide functionality for tenants to view the terms and conditions for apartment rentals.
RATIONALE	To be able to view the terms and conditions of the system such as the lease agreements, to ensure that it complies with the legal requirements.
FIT CRITERION	The tenant should be able to view terms and conditions as necessary and should be made available to all via the system.
ORIGINATOR	Tenant
CUSTOMER SATISFACTION	5
CUSTOMER DISSATISFACTION	5

5.6 Non-Functional Requirements

Usability

- Colors of the screens are light that complements the shop's logo.
- The error message should help the user input the right input next time.
- The system shall be mobile responsive.
- Texts are readable and understandable for the users.
- The system must be easy to navigate.
- System functionalities are easy to find.

Reliability / Availability Requirements

- The system shall give the same output every time for the same functionality.
- The system shall be bug free and reliable enough for its expected purpose.

Scalability

- The system should support 25 users logging in simultaneously.

Performance

- The system's response time shall be 200 milliseconds.
- Loading period of the system shall be kept in less than 5 seconds.

Supportability

- The system is supported by Windows 7 and above.
- The system is expected to run in mobile devices.

Security

- Customer's data/information are restricted only for admins.

Efficiency

- The system shall handle heavy workloads that doesn't affect the system's performance.

Appearance Requirement

- The system design is minimalist and clean for the user's eye.
- The color of the system shall be green with white that complements the shop's logo.
- The system design shall be well-organized.
- Font size of texts shall be average and not too small

Personalization Requirements

- The default language of the system is English.
- The default theme of the system's green with white combination.

Access Requirements

- Tenants, Landlords, and Admins of the system can access the system.
- Landlord shall select tickets they will take actions.
- Admins and Landlord is responsible for managing the tenants form and apartment.

Understandability and Politeness Requirements

- The system shall use simple icons that the tenants are familiar in real life.
- The system shall use terminologies that are understandable to non-computer literate tenants,

Adaptability Requirements

- The system is expected to run in Windows 7 and above.
- The system is expected to run in mobile devices.

Capacity Requirements

- The system can cater 50 customers that is simultaneously logged in.

- The system is expected to run in 6gb-8gb CPU.
- The system is expected to run in 2gb RAM.
- The system is expected to run in a 500mb disk storage capacity.
- The system is also expected to run in a 1gb bandwidth

5.7 Project Issues

5.7.1 Open Issues

The challenges that the company encountered when developing the system is identifying and defining the requirements of the system. This includes understanding the needs of the admin, Tenants, and Landlords, as well as the technical limitations that need to be considered. Scalability is one of the issues of our system because as the system grows it should be able to handle increasing amount of data. Also, some of our members have poor a time management and this issue even gets worse when there are many tasks given to us at the same time. Power interruptions also delays the development of the system. Mental distress is also one of the hindrances that delays the development of our system.

5.7.2 Off-the-Shelf Solutions

Table 11: Off-the-shelf solutions

Name (Link)	Common Features	Off-the-Shelf Unique Features	Unique Features of the Company's Project
Landlordy https://landlordy.com/	- Log in Page before viewing the website - Track rent payments	- Payment reminder	Digital Expense receipts
DoorLoop https://www.doorloop.com/	- Sending report to the admin/landlord - Securely store and organize important documents such as lease agreements	- Maintenance requests - Automatic rent collection	- Raise tickets for tenant's concerns - Rent collection reminder depending on what day the tenant start renting.

Table 12: Off-the-Shelf Solutions

5.7.3 Potential User Problem

Non-computer literate customers that find it hard to navigate and use the functionalities of the system.

5.7.4 Risk

- Easy transaction
  - Aspiring tenant may think that walk-in transaction is much easier than using the website
  - **Potential Problem**- Users of the website might decrease as time goes by.

    - **Solution**- More emphasis on the functionality that lets the tenant experience an on-site experience such as providing pictures of the units and the amenities included that may or may not be useful to the client.
- Low accuracy of generating monthly invoice
    - The risk of having a due date on a lease and not meeting it is one of the potential risks of the system.
    - **Potential Problem**- Reduces the reliability of the system.
    - **Solution**- Time to time monitoring of leases, invoice, and its due date.
- Data loss
    - Tenant's invoice record might loss.
    - **Potential Problem**- Tenant's data loss that might be needed by the tenant.
    - **Solution**- Back up documents likes receipts.

5.7.5 Waiting room

-rental for different type of space

- Commercial space
- Bed space
- This definitely changes how the rental system works but this kind of feature can be beneficial to the aspiring tenants who wants to avail a space to rent.

CHAPTER 6 – SYSTEM DESIGN

6.1 Flow Chart (Old System Vs New System)

OLD SYSTEM (Online Based Smart House Renting Web Application)

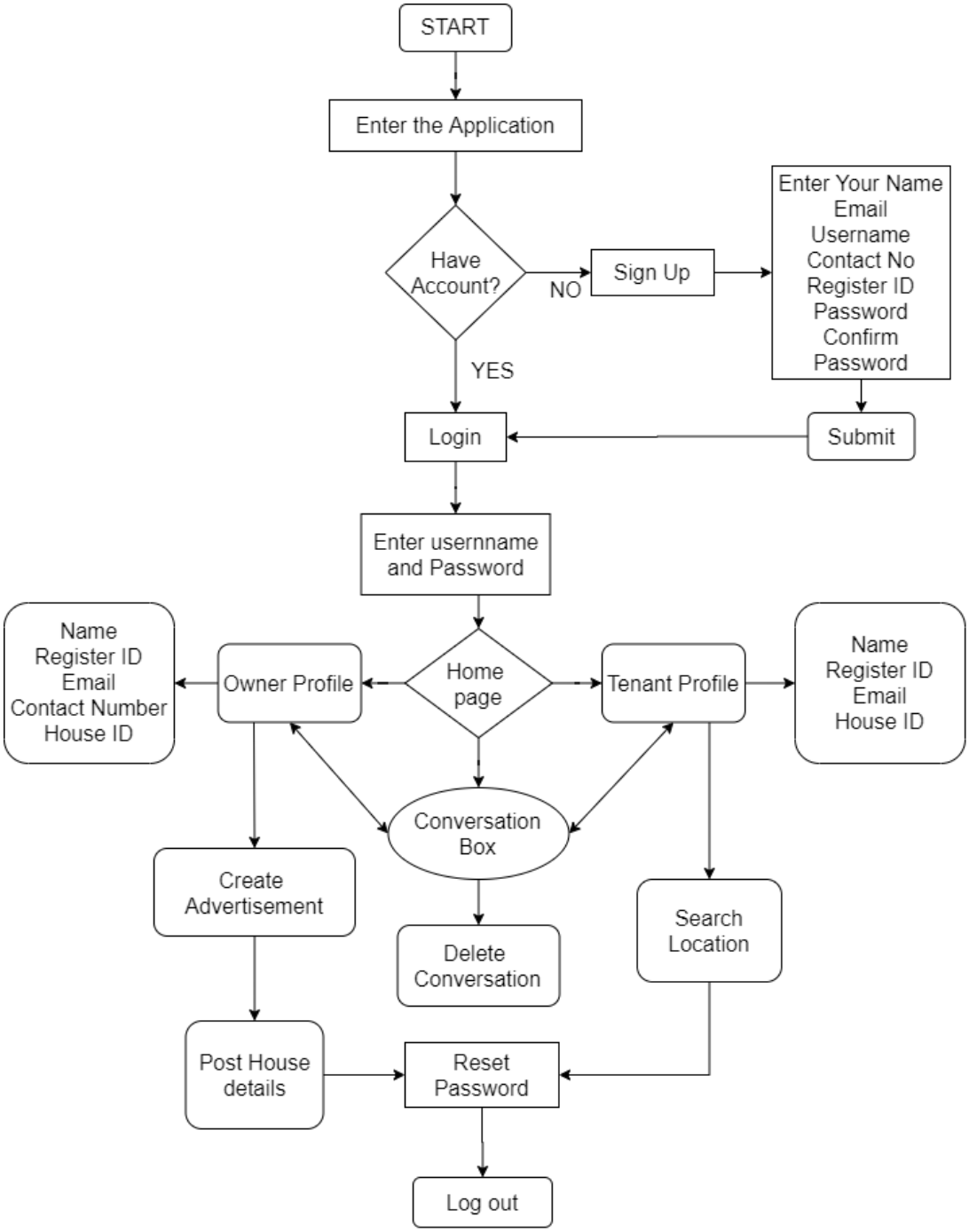


Figure 7: Old System Flowchart

NEW SYSTEM (Apartment Rental Management System)

- Admin

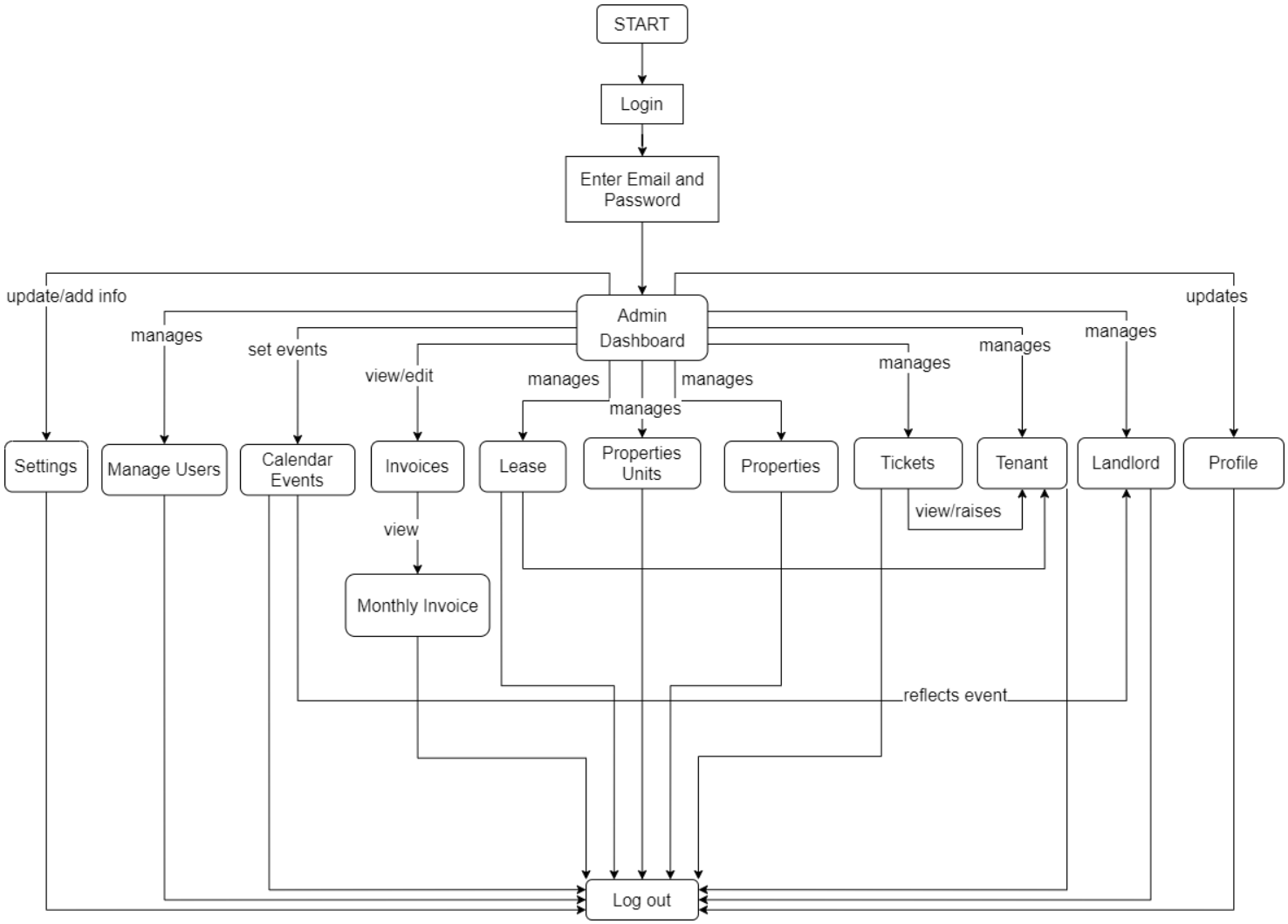
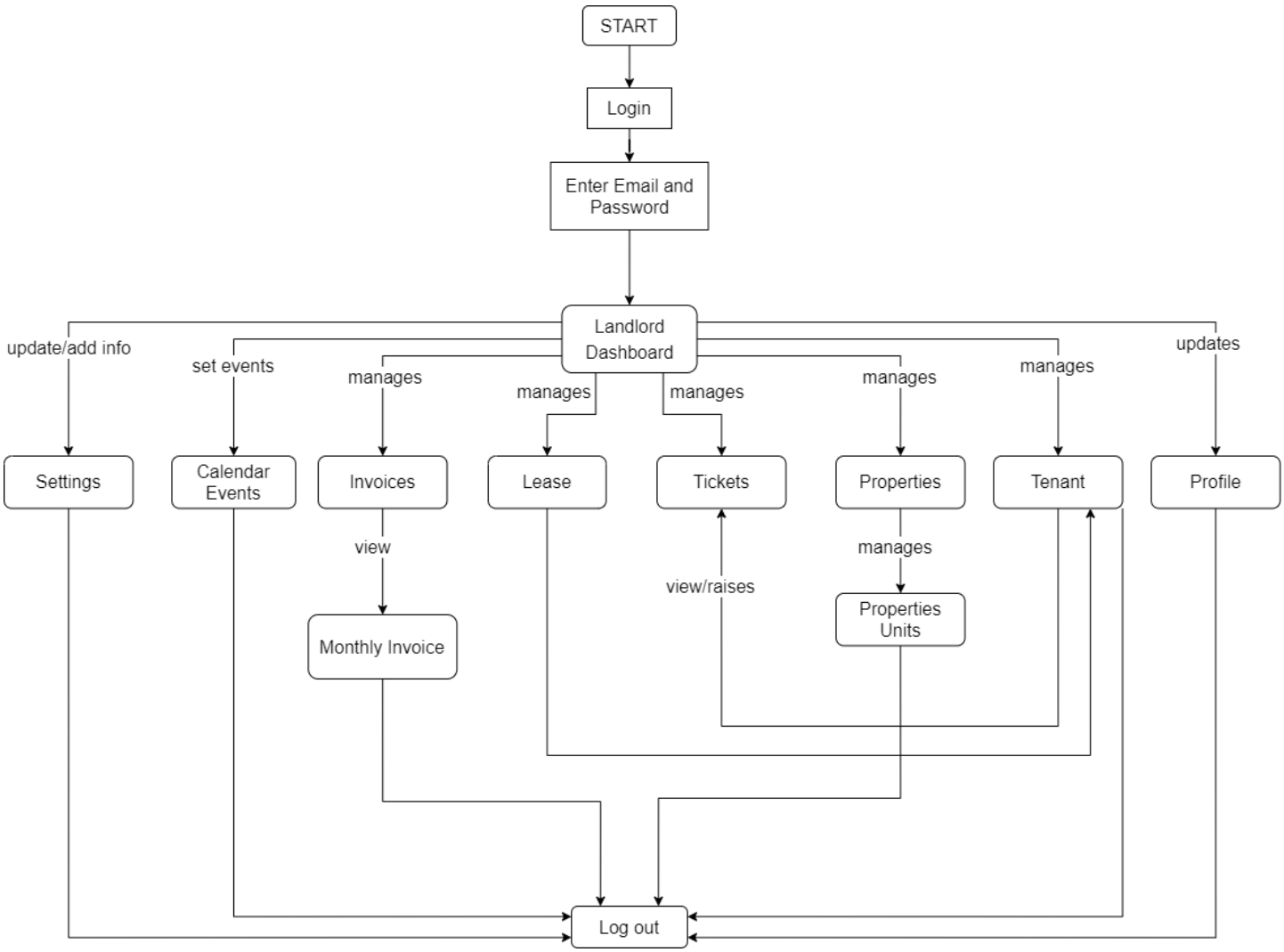
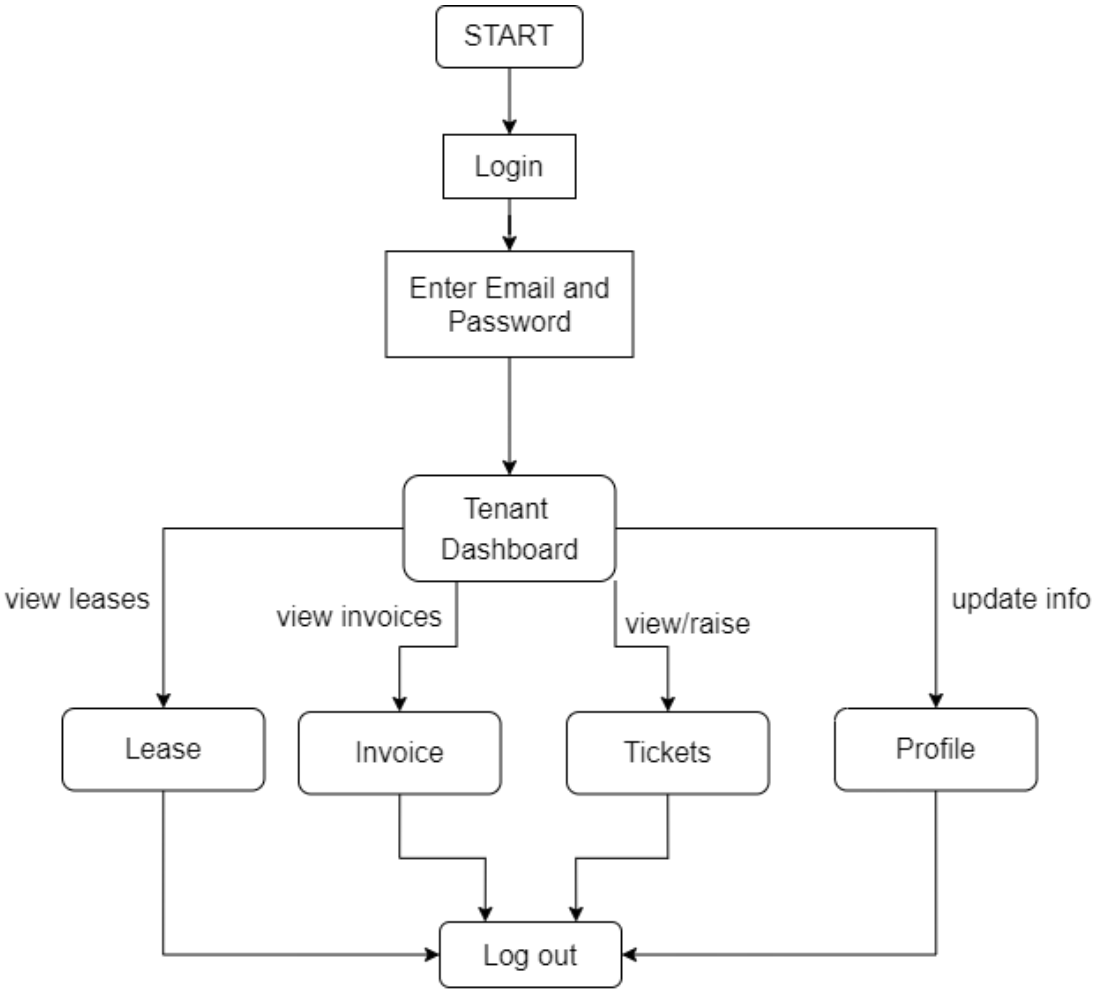


Figure 8: New System Flowchart

- Landlord


START
Login
Enter Email and Password
Landlord Dashboard
update/add info
set events
manages
manages
manages
manages
manages
updates
Settings
Calendar Events
Invoices
Lease
Tickets
Properties
Tenant
Profile
view
manages
view/raises
Monthly Invoice
Properties Units
Log out

- Tenant


START
Login
Enter Email and Password
Tenant Dashboard
view leases
view invoices
view/raise
update info
Lease
Invoice
Tickets
Profile
Log out

6.2 Data Model (ERD)

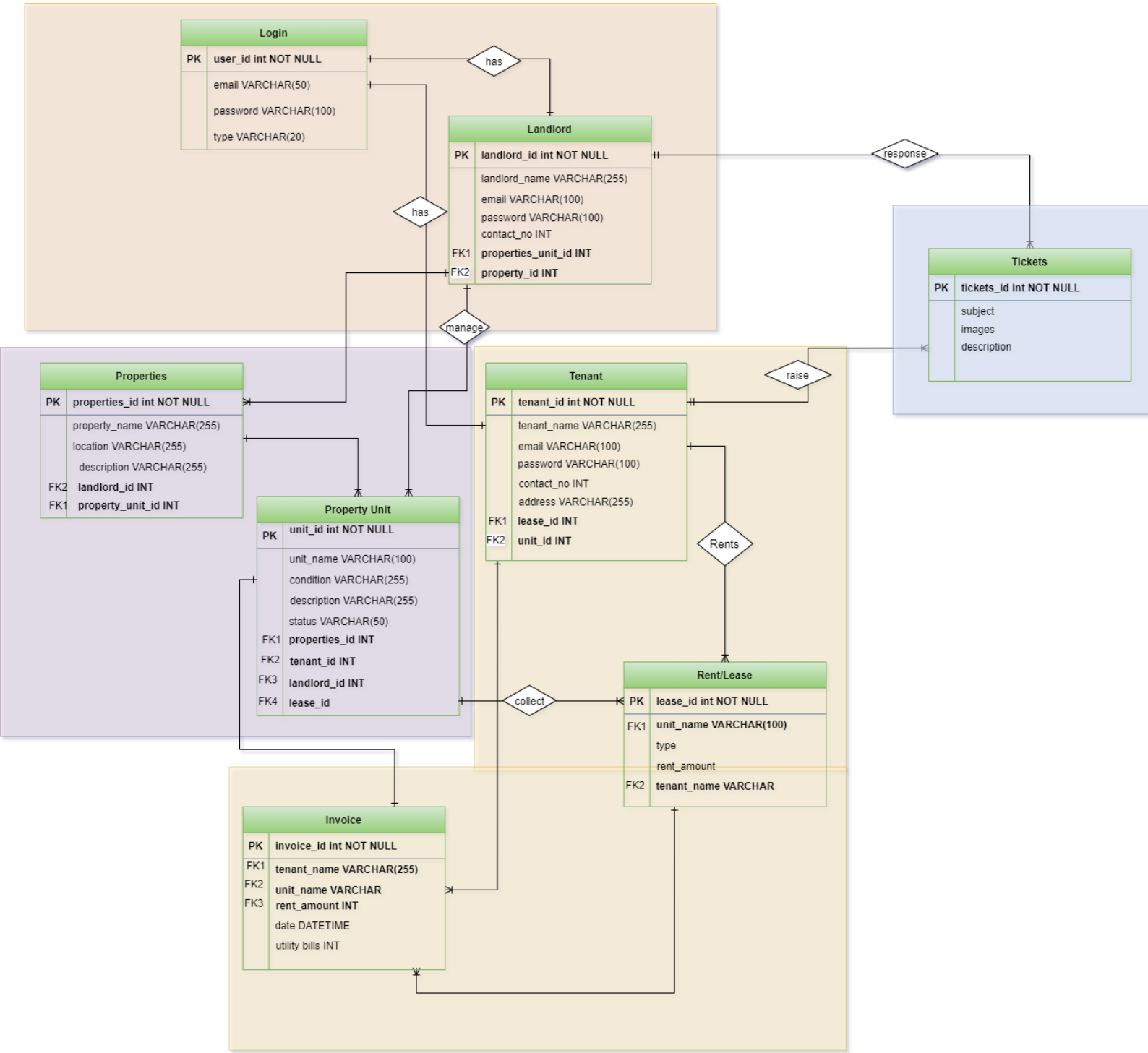


Figure 9: ERD

6.3 Context Flow Diagram (DFD 0)

Figure 10: Context Flow Diagram

6.4 Data Flow Diagrams (DFD 1, 2, etc.)

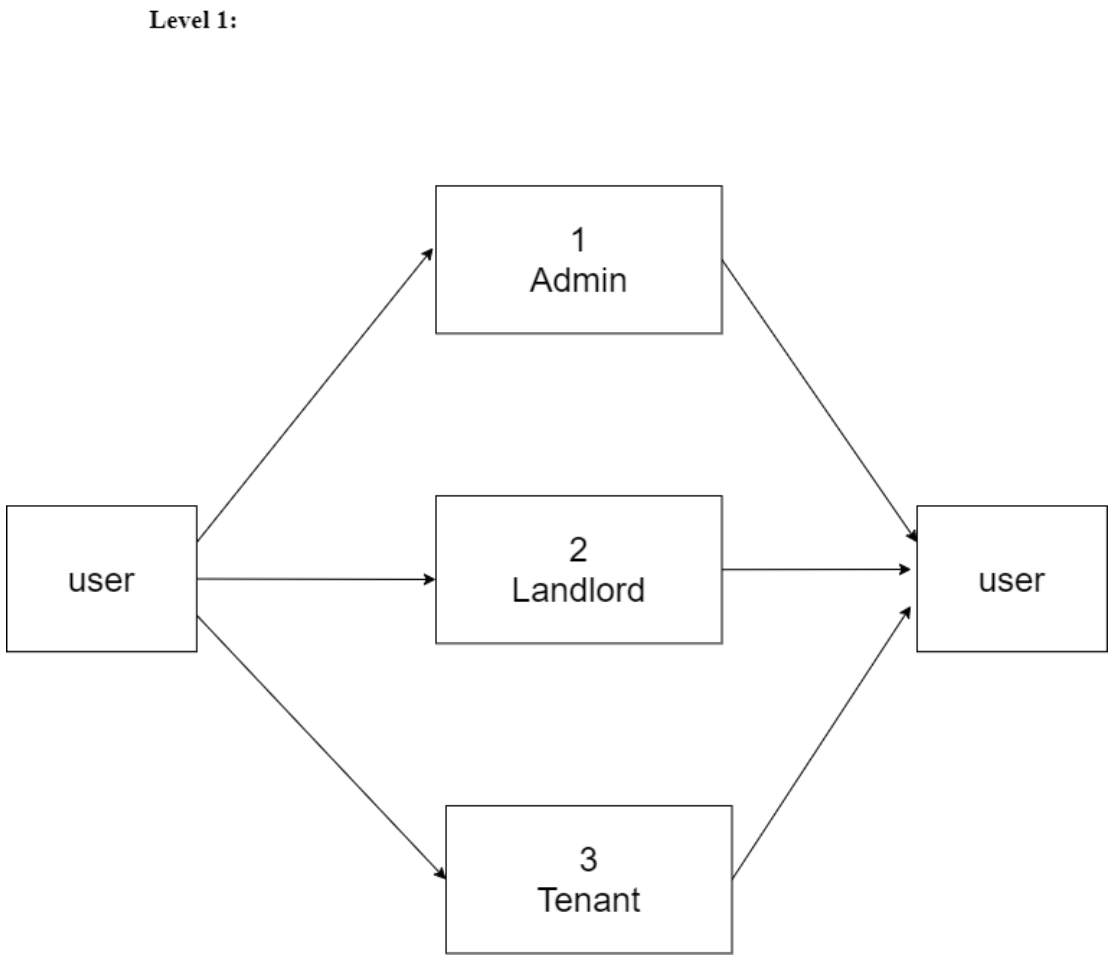


Figure 11: DFD Level 1

Level 2:

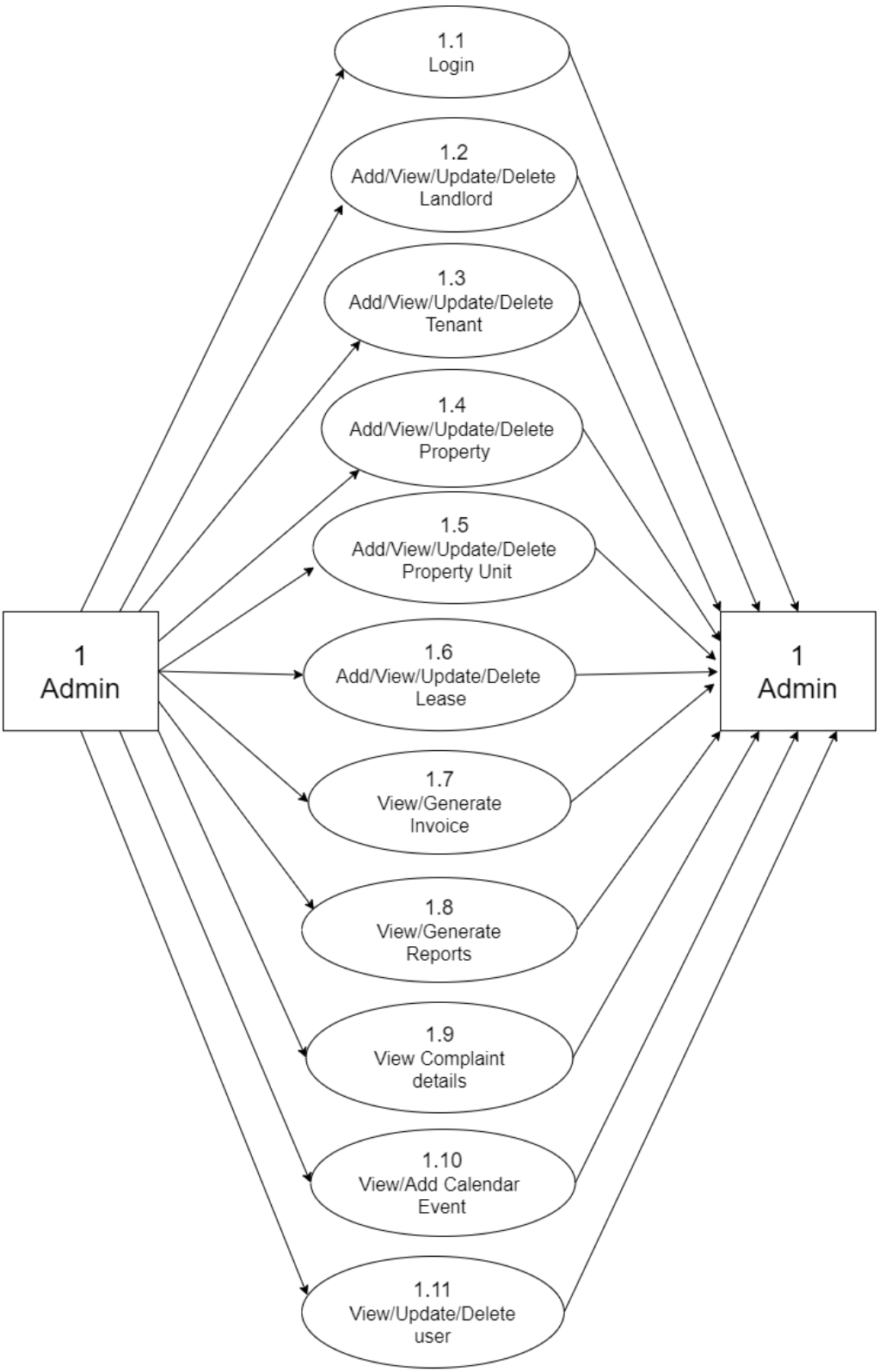
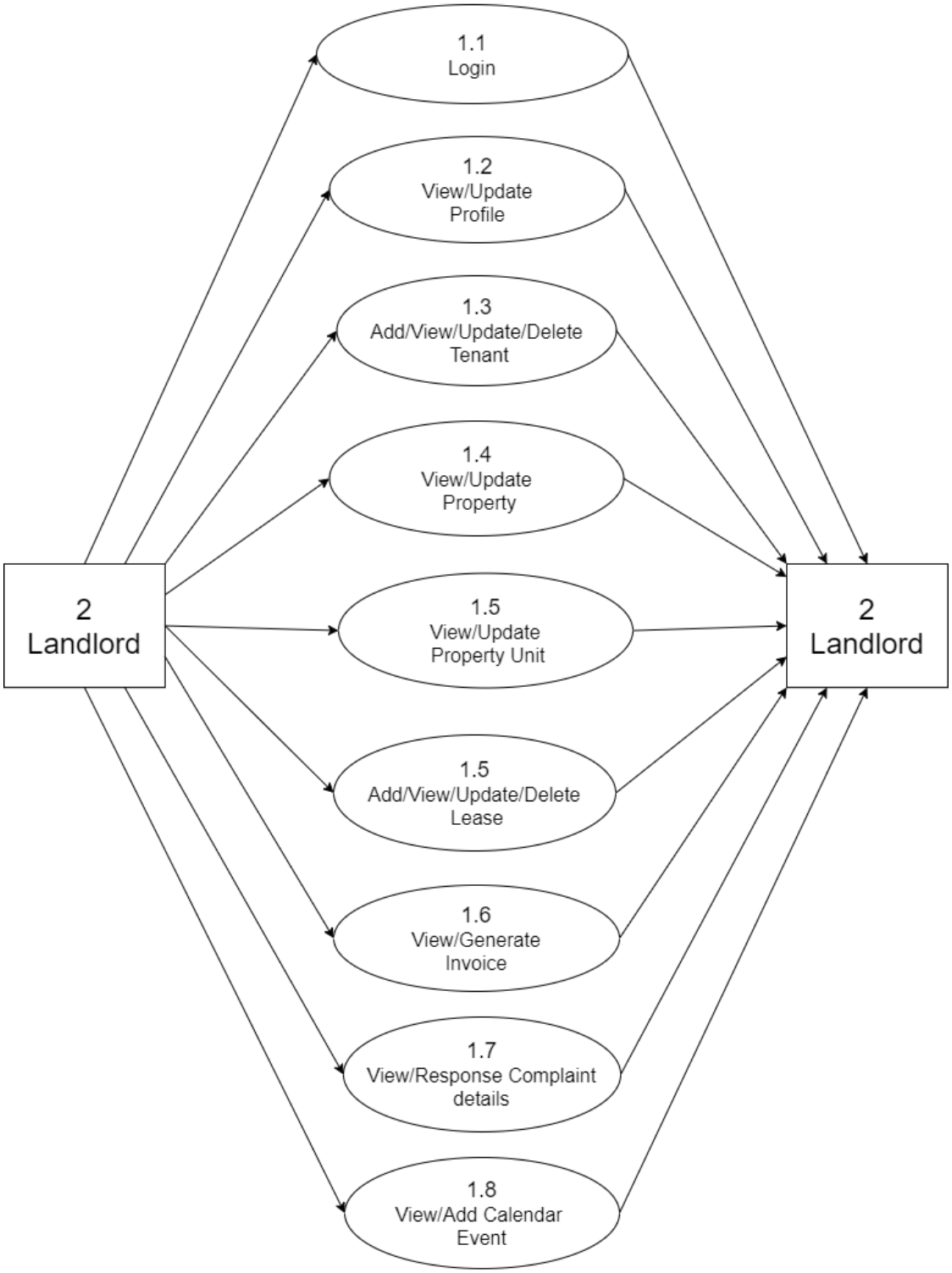
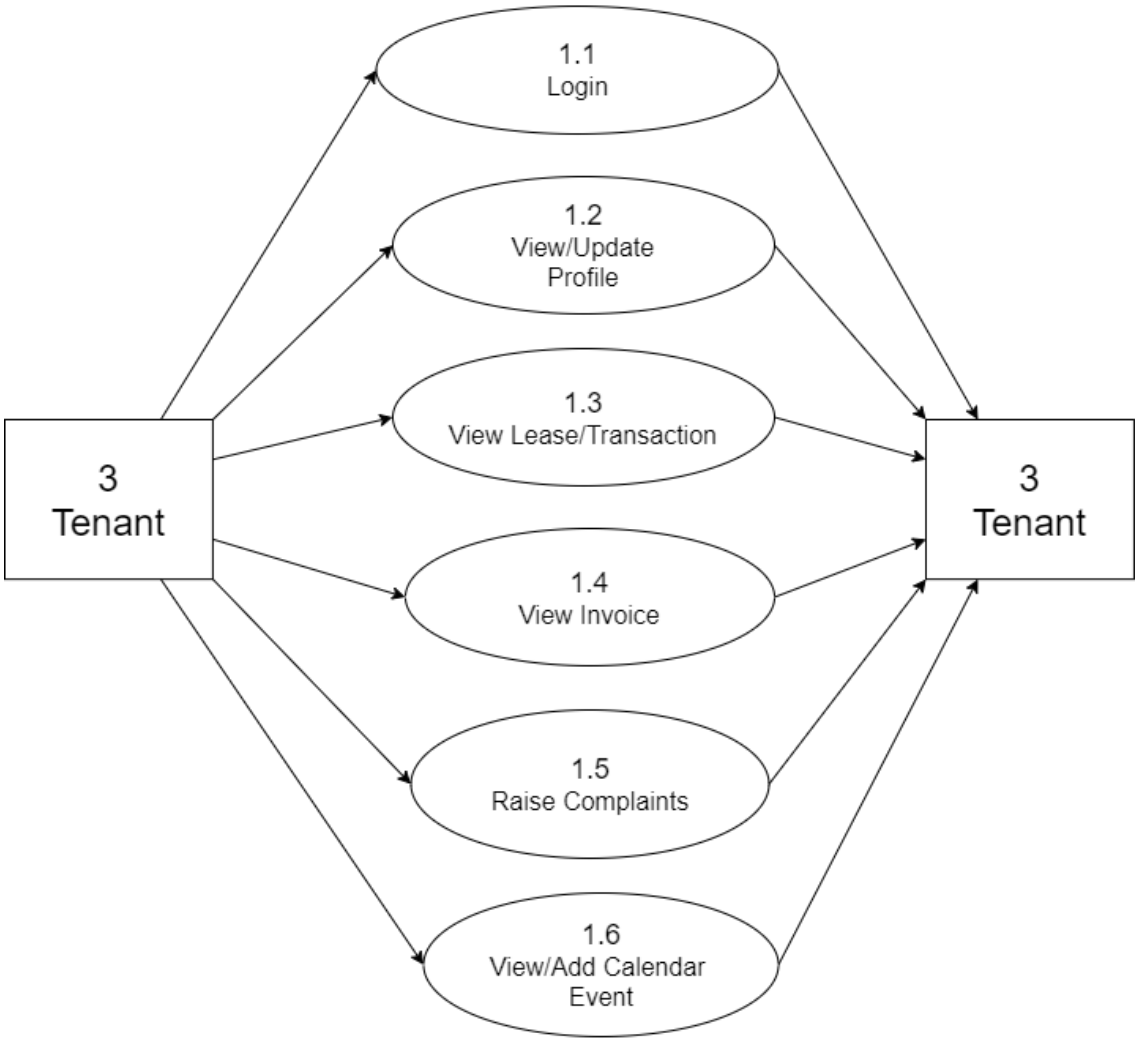


Figure 12: DFD Level 2

Level 2:

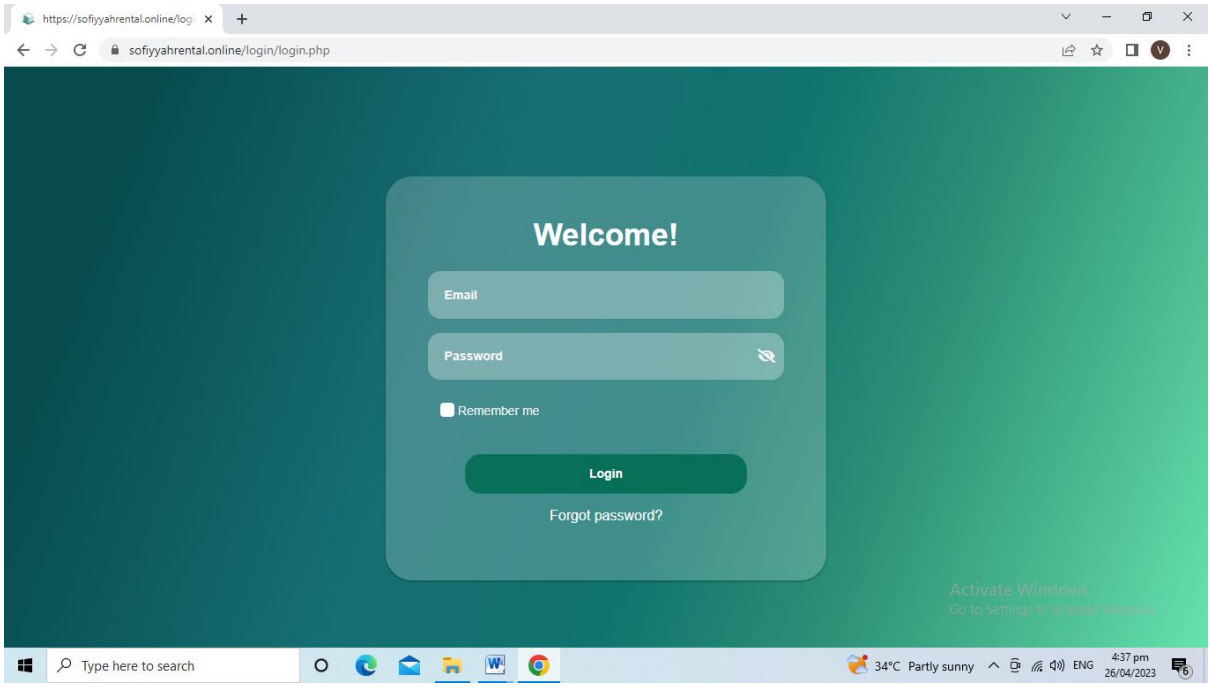

1.1
Login
1.2
View/Update
Profile
1.3
Add/View/Update/Delete
Tenant
1.4
View/Update
Property
1.5
View/Update
Property Unit
1.5
Add/View/Update/Delete
Lease
1.6
View/Generate
Invoice
1.7
View/Response Complaint
details
1.8
View/Add Calendar
Event
2
Landlord
2
Landlord

Level 2:


3
Tenant
1.1
Login
1.2
View/Update
Profile
1.3
View Lease/Transaction
1.4
View Invoice
1.5
Raise Complaints
1.6
View/Add Calendar
Event
3
Tenant

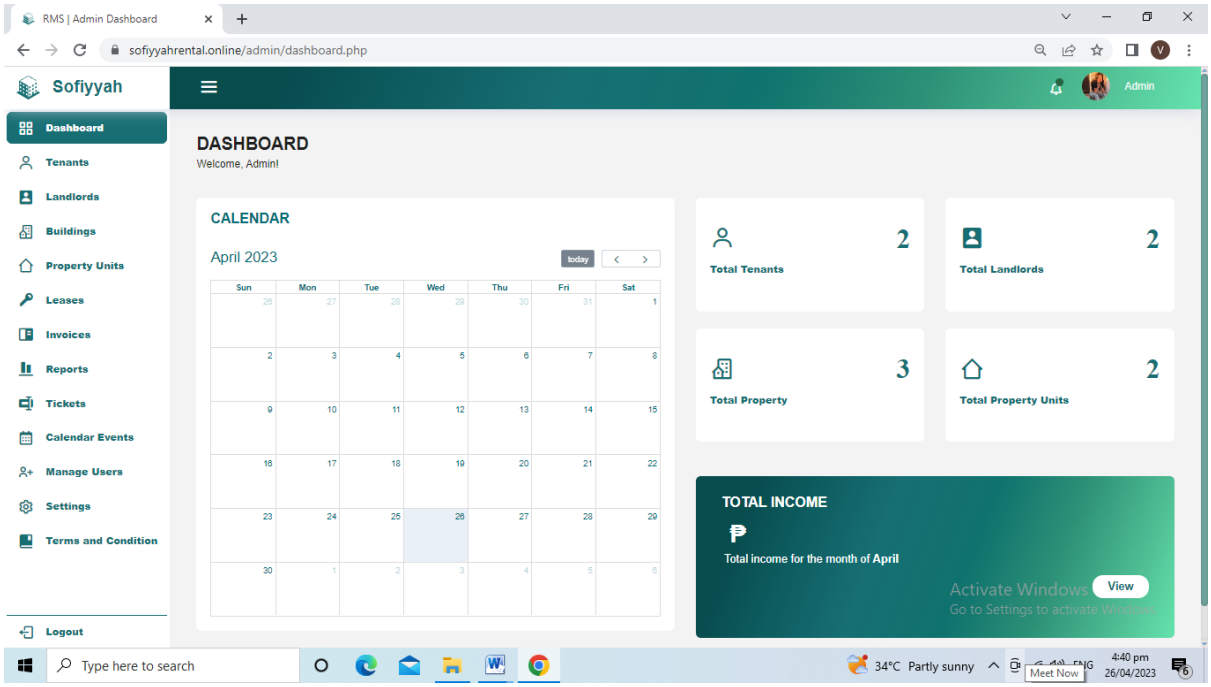
6.5 User Interface

LOGIN



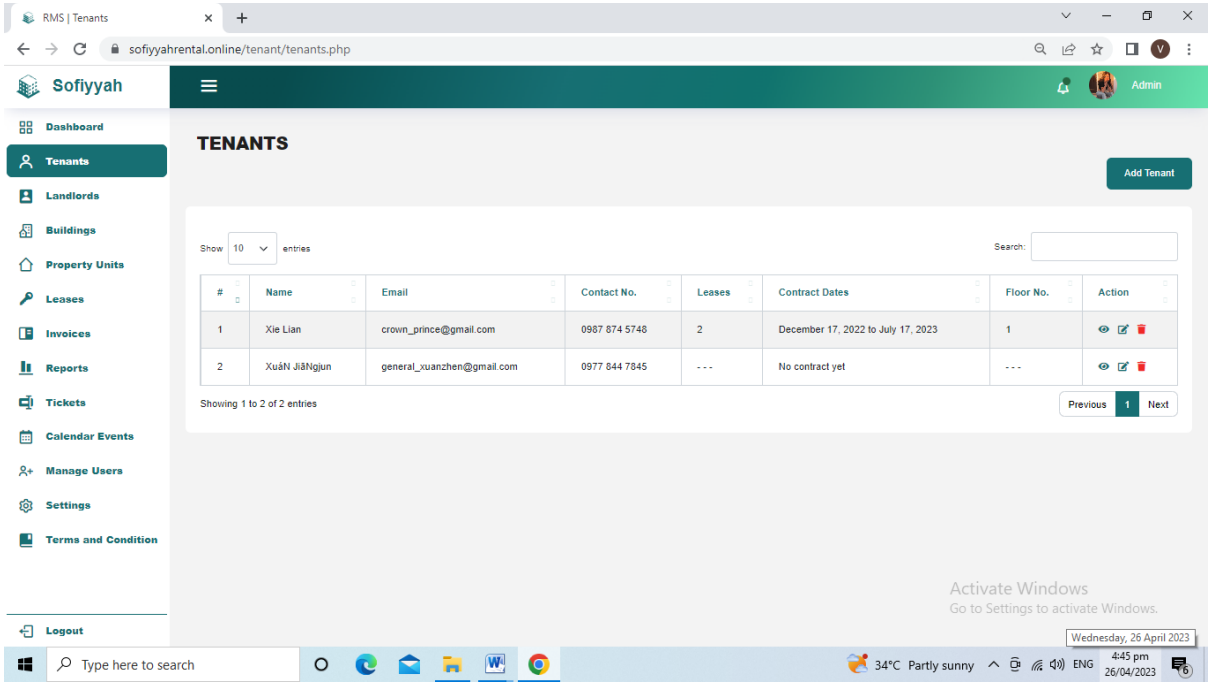
1. To login, users must enter their registered G-mail account and password.
2. Next, click the login button to redirect the users to their respective dashboard.

ADMIN DASHBOARD



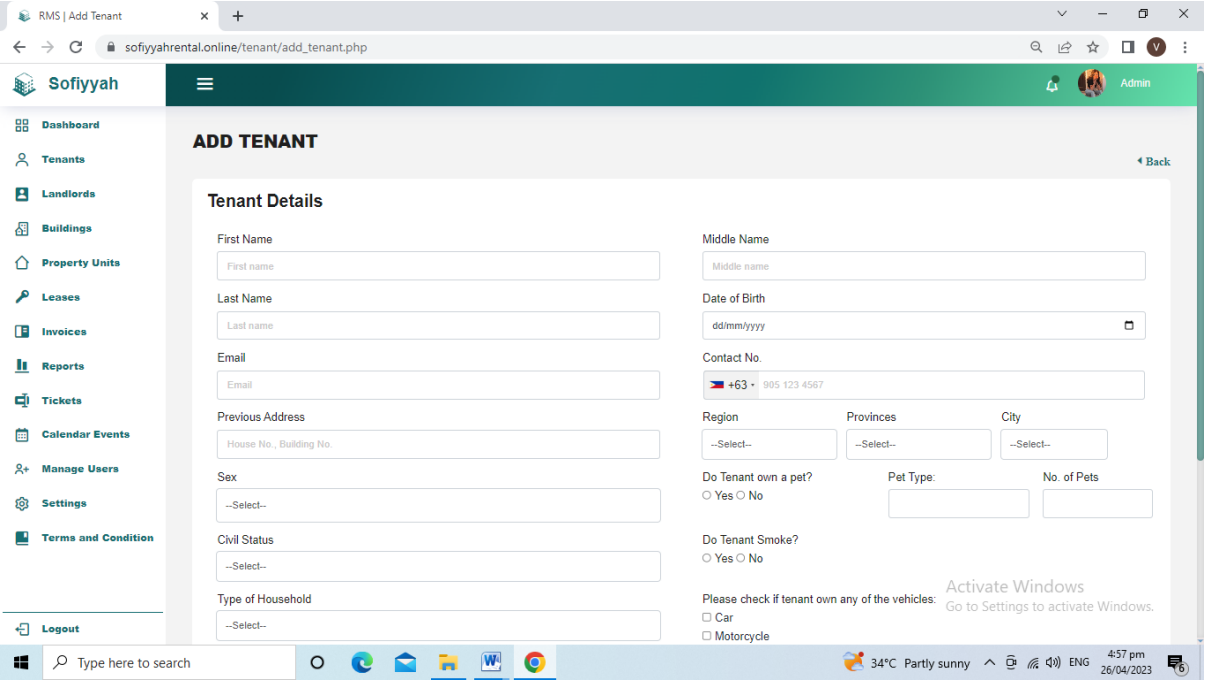
1. Upon logging in, it will redirect to admin dashboard, displaying the overview of the total numbers of tenants, landlords, buildings/properties, property units, calendar, and total monthly income.
2. To logout, click the logout button on the button part of the navigation bar. Wait for the account to be logged out and redirect to the login page.

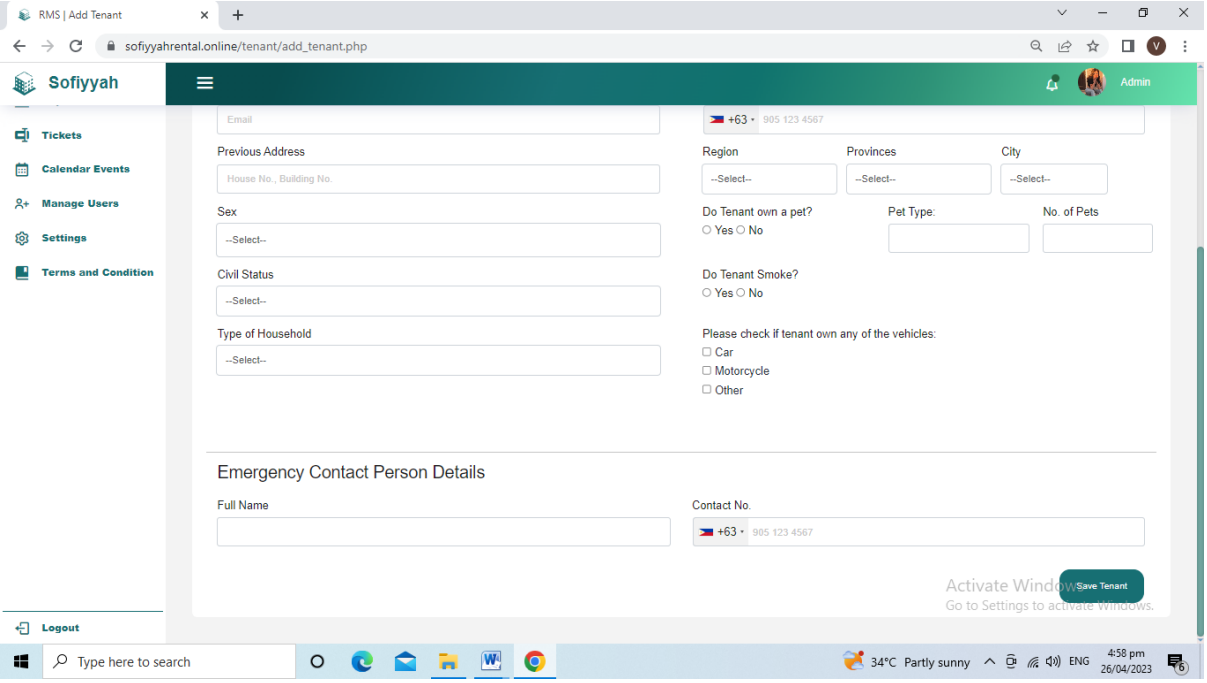
TENANT PAGE



1. To view the list of all Tenants, click the tenant button and you will be redirected to the Tenants page.
2. To view the tenant details, click the eye icon on the right side.
3. To edit the tenant information, click the pen icon on the right side.
4. To delete the data of tenant, click the red trash can icon on the right side.

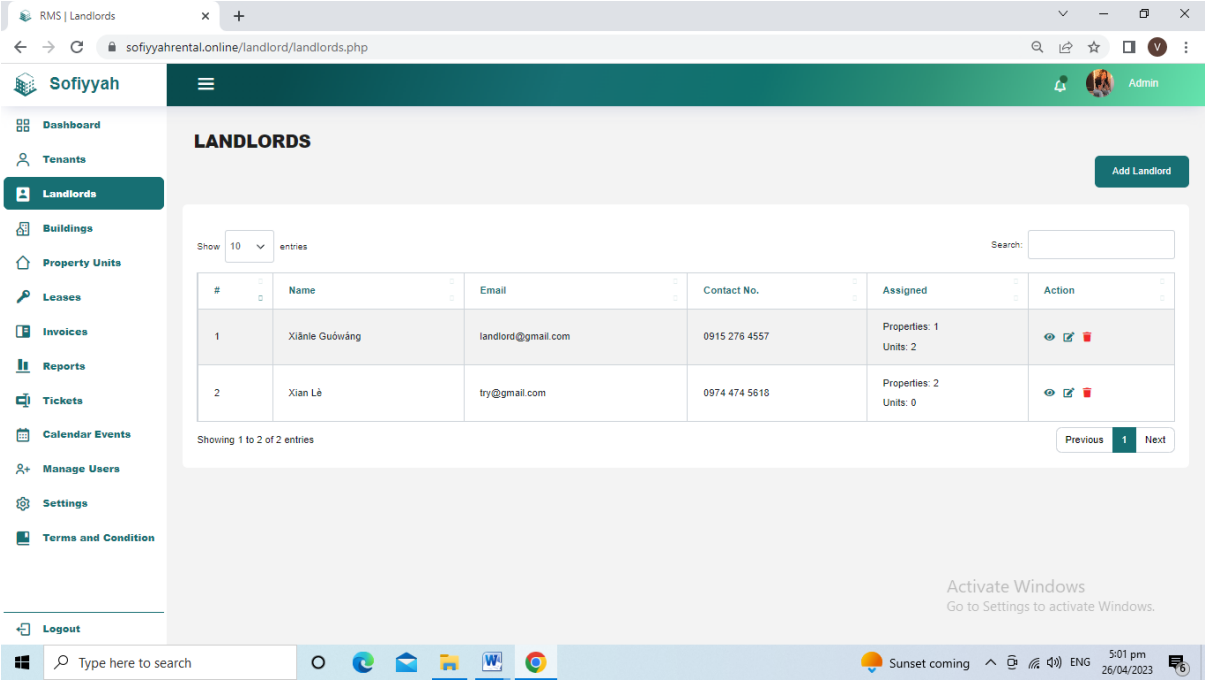
ADDING OF TENANT





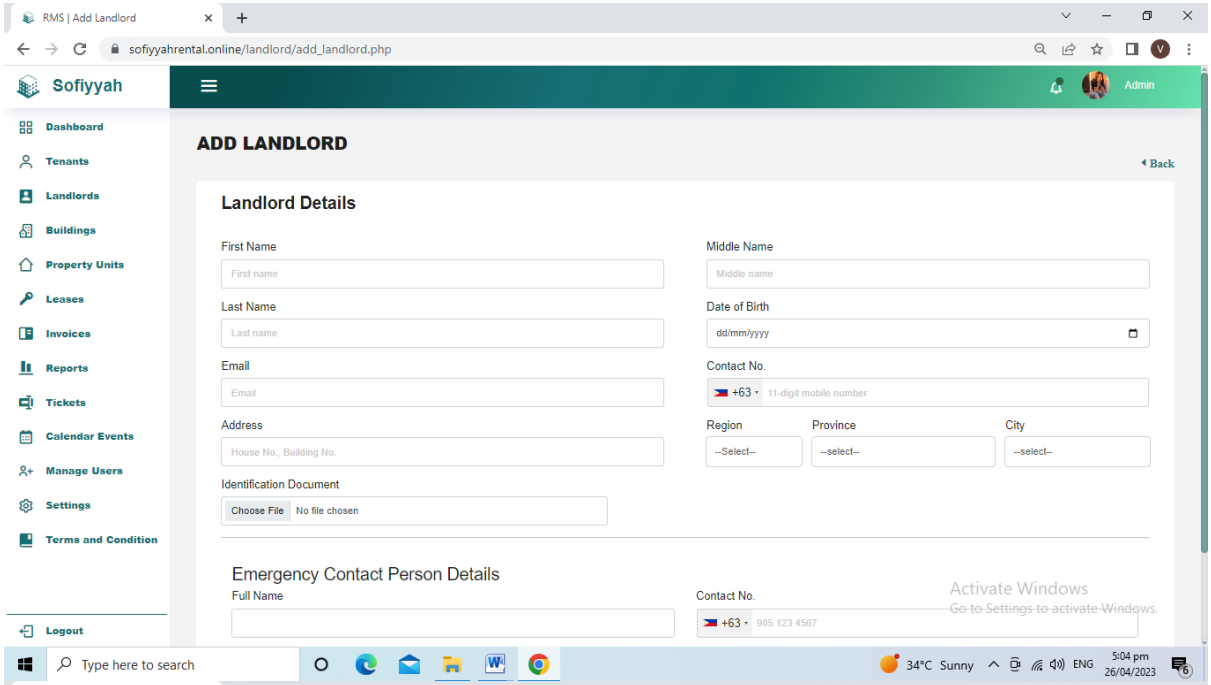
1. To add tenant, user should click the add tenant button on the tenant page.
2. Fill out the tenant details form, scroll down to fill out the bottom part of the form.
3. Click the “save tenant” button to complete the profiling of the tenant.

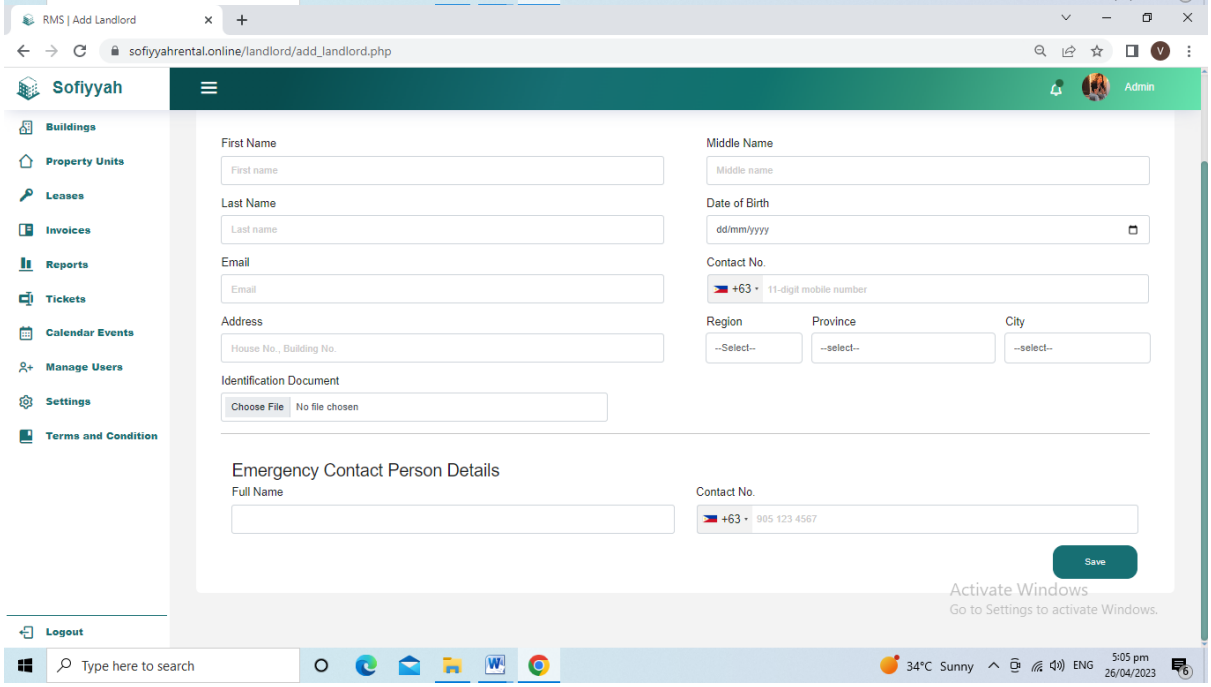
LANDLORD PAGE



1. To view the list of all landlords, click the landlord button and you will be redirected to the Landlords page.
2. To view the landlord details, click the eye icon on the right side.
3. To edit the landlord information, click the pen icon on the right side.
4. To delete the data of landlord, click the red trash can icon on the right side.

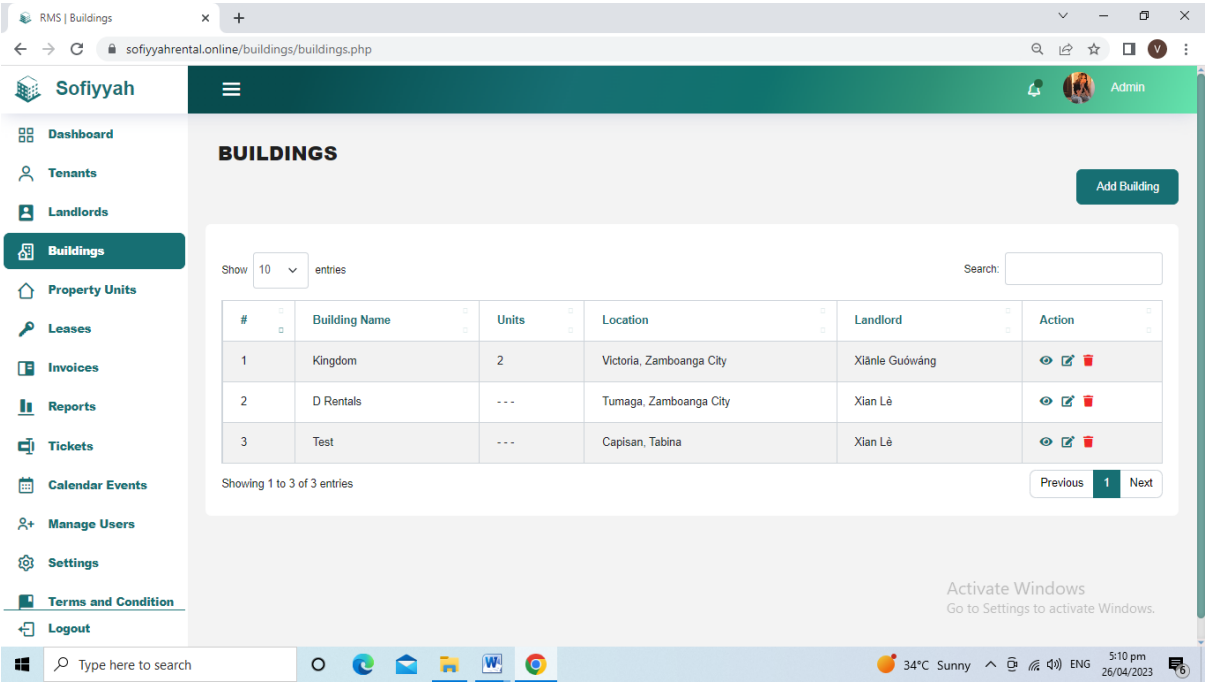
ADDING OF LANDLORD





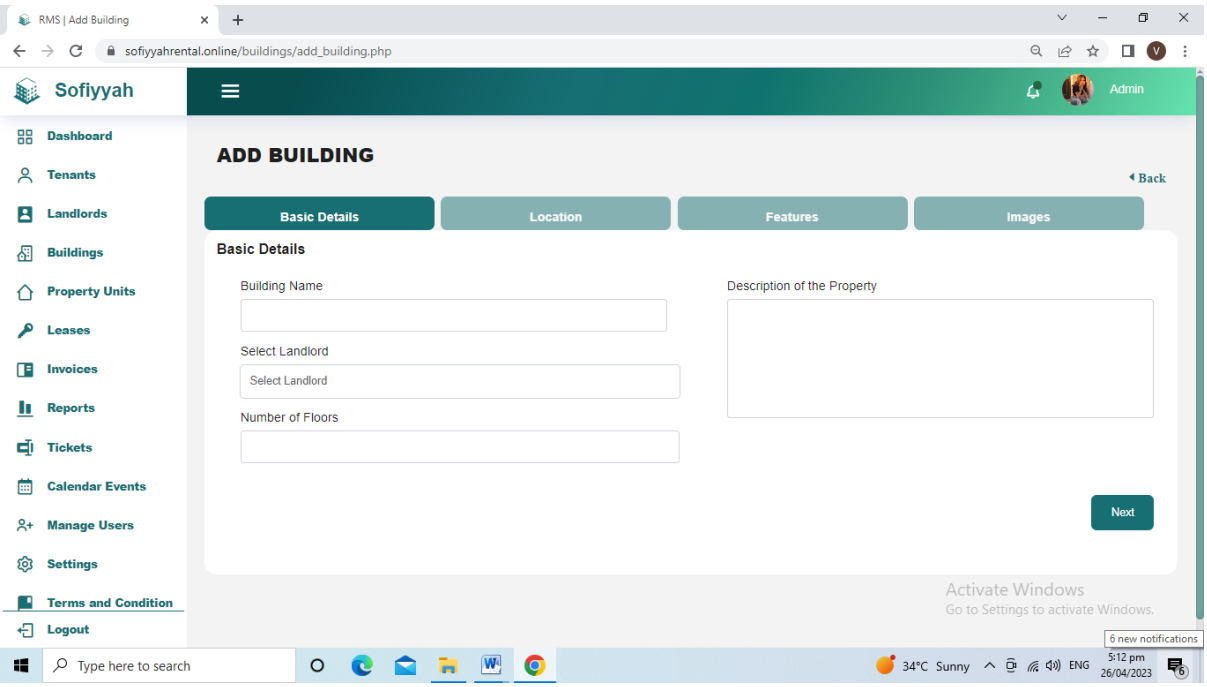
1. To add another landlord, user should click the add landlord button on the landlord page.
2. Fill out the landlord details, scroll down to fill out the bottom part of the form.
3. Click the “save landlord” button to complete the profiling of a landlord.

BUILDING PAGE

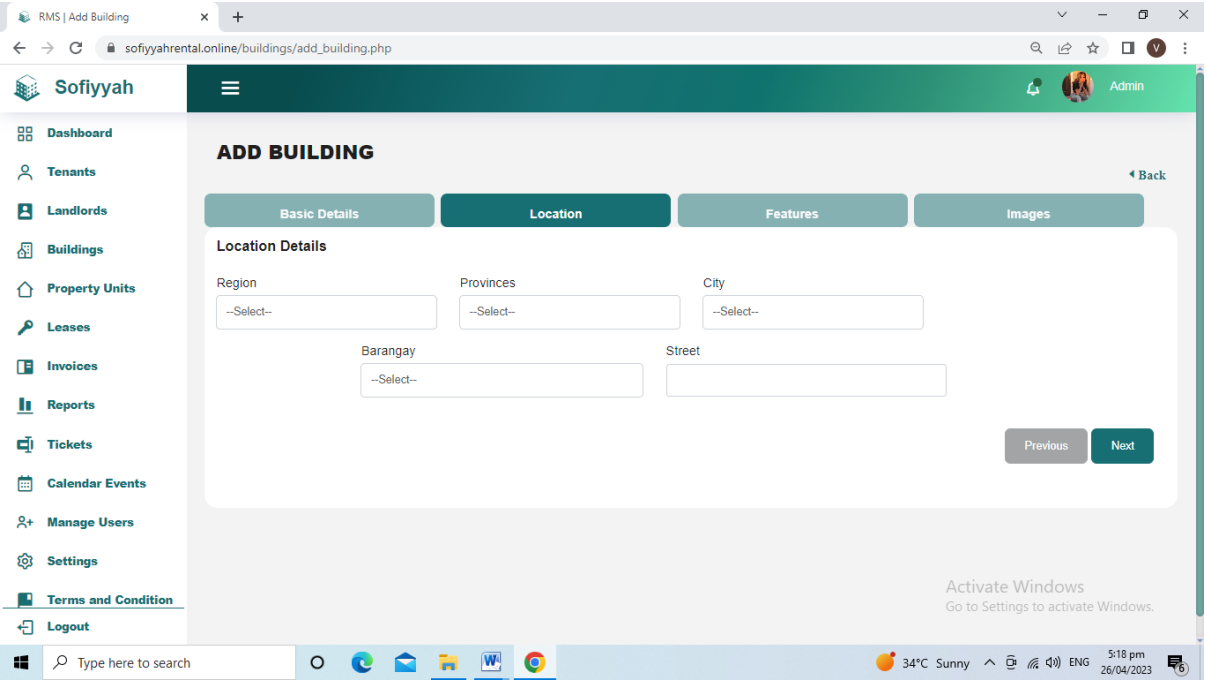


1. To view all the list of buildings, click the buildings button and you will be redirected to the Buildings page.
2. To view the building details, click the eye icon on the right side.
3. To edit the building information, click the pen icon on the right side.
4. To delete the data of building, click the red trash can icon on the right side.

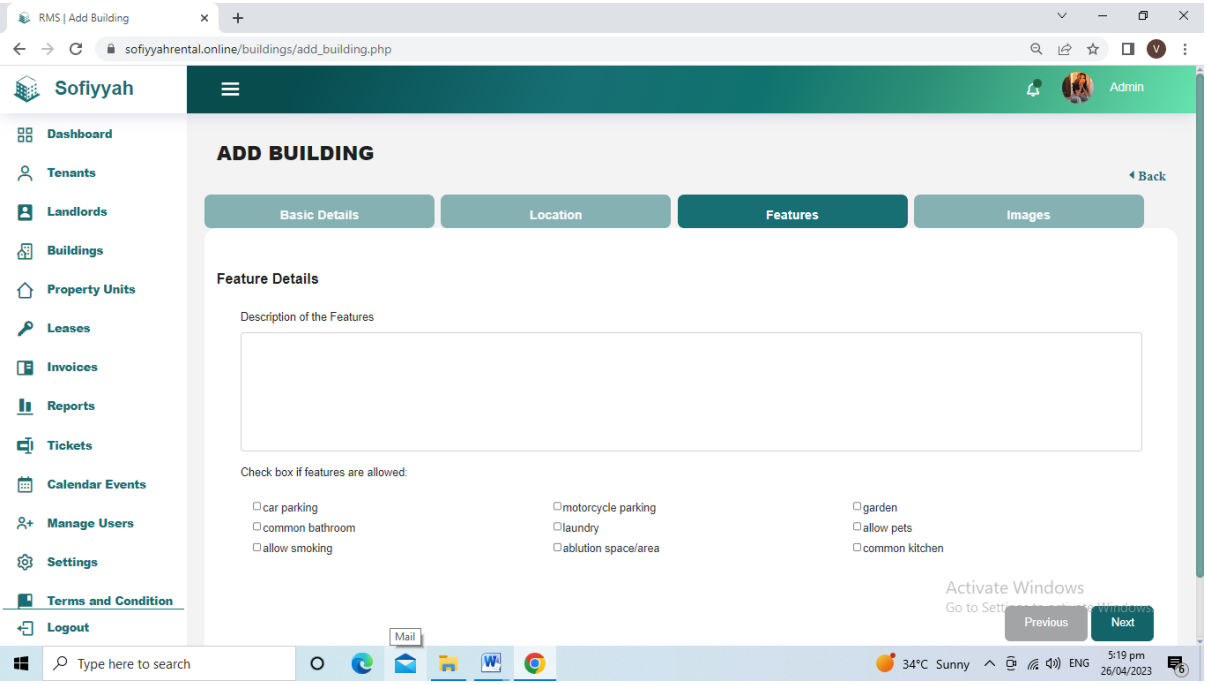
ADDING OF BUILDING



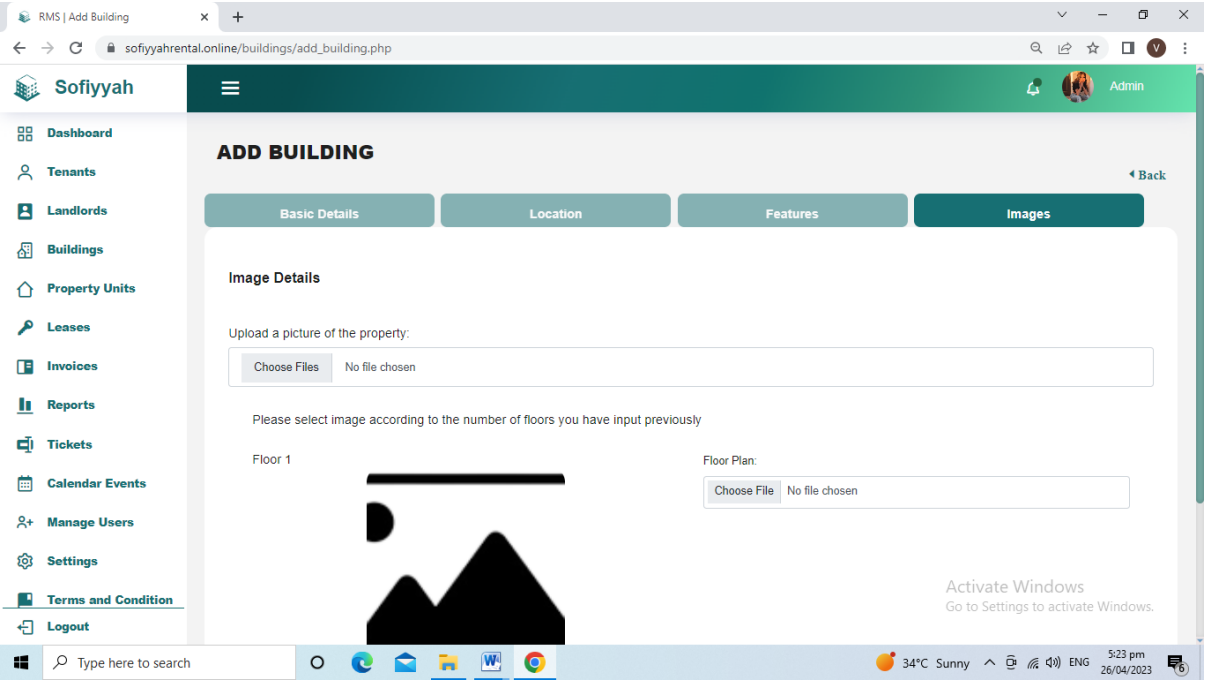
1. Fill out the basic details, enter the name of building, select the landlord in charge, enter the number of floors that the building has and write a description of the building.
2. Click the next button to proceed to the location details.



1. Select the location of the building such as region, provinces, city, barangay, and input your street.
2. Select the next button to proceed to features.

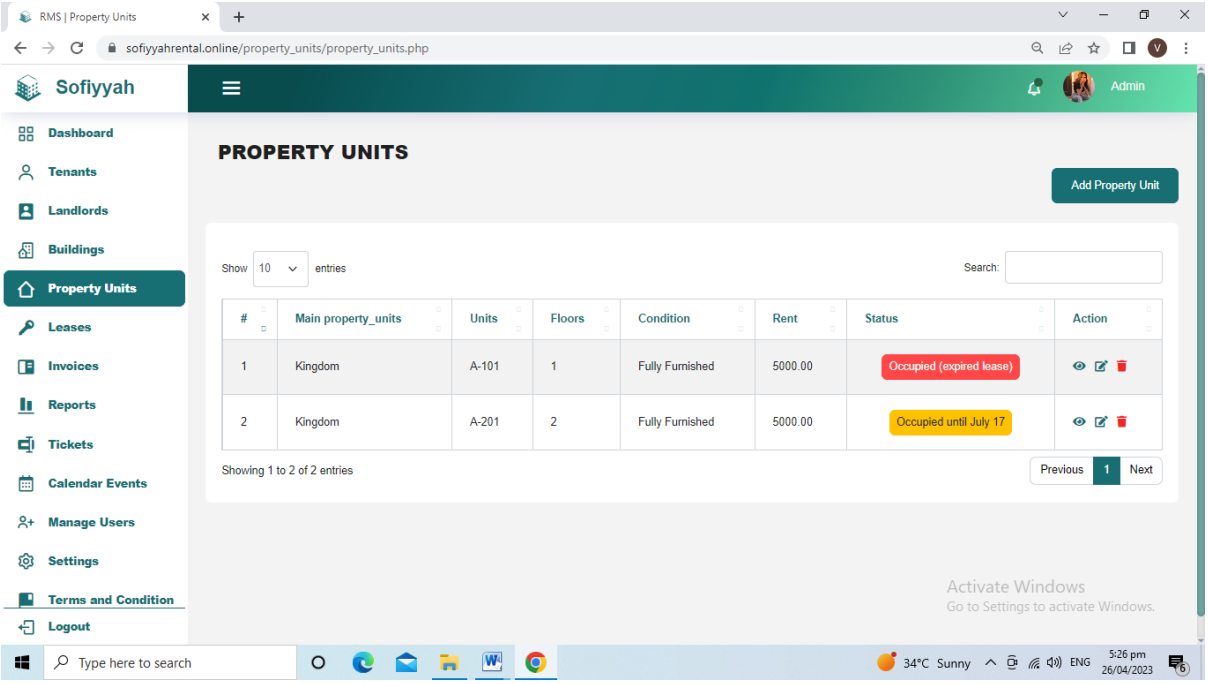


1. Enter description for feature details and select features that are allowed in the building.
2. Click the next button to proceed.



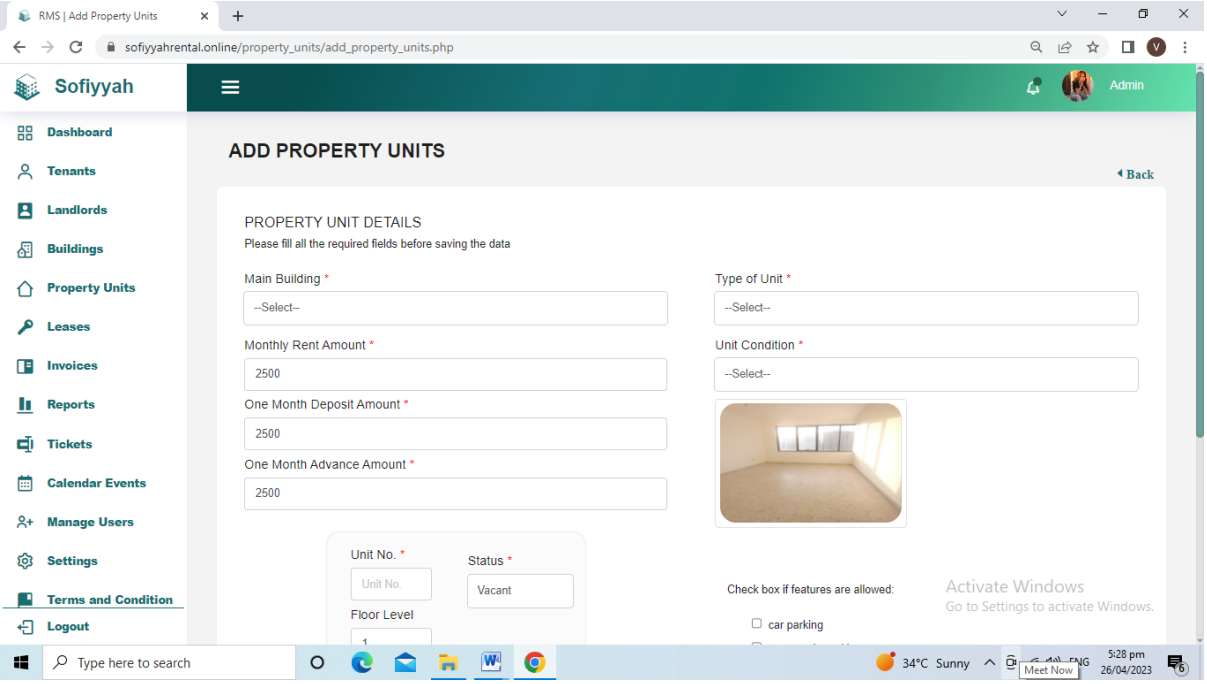
1. Upload picture of the building and the floor plan for each floors.
2. Click save button to complete the adding of building.

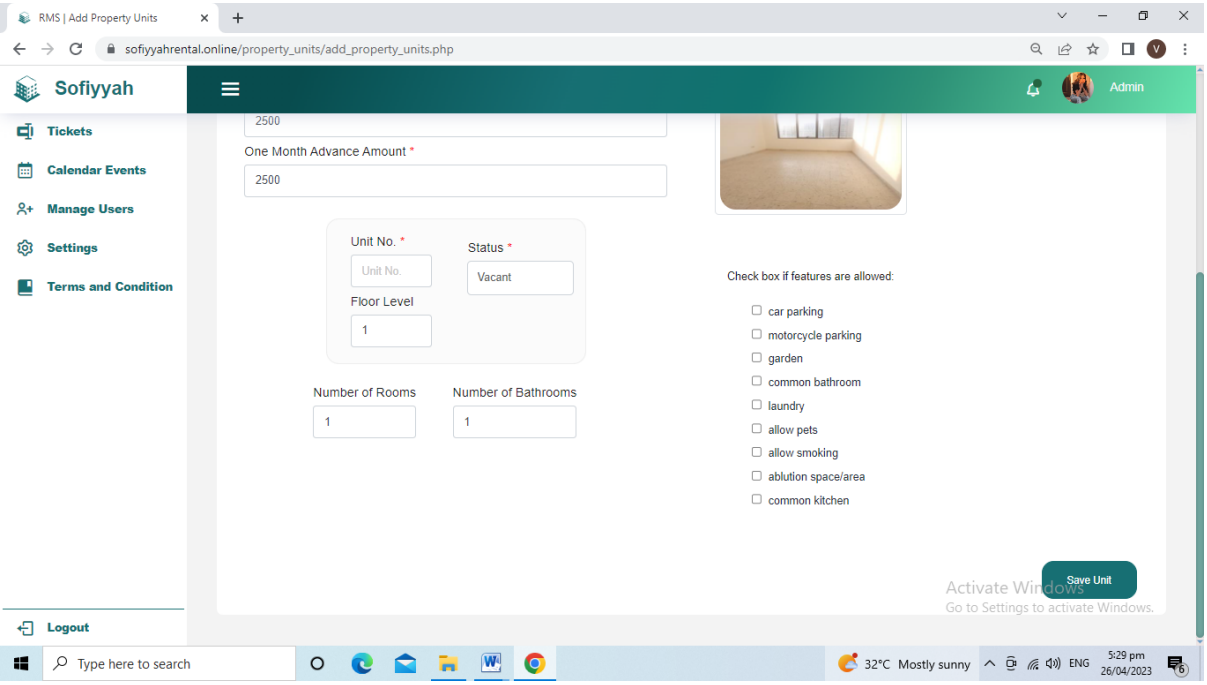
PROPERTY UNITS PAGE



1. To view all the list of property units, click the property units button in the sidebar.
2. To view the property unit details, click the eye icon on the right side.
3. To edit the property unit information, click the pen icon on the right side.
4. To delete the data of property unit, click the red trash can icon on the right side.

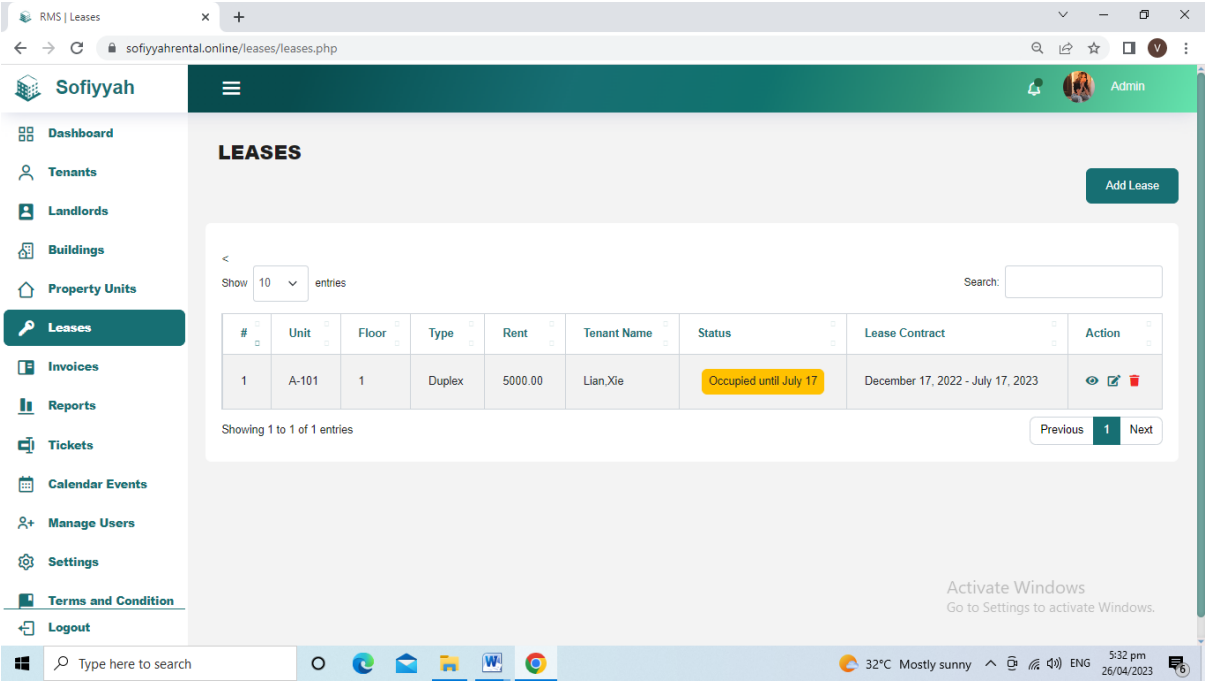
ADDING OF PROPERTY UNIT





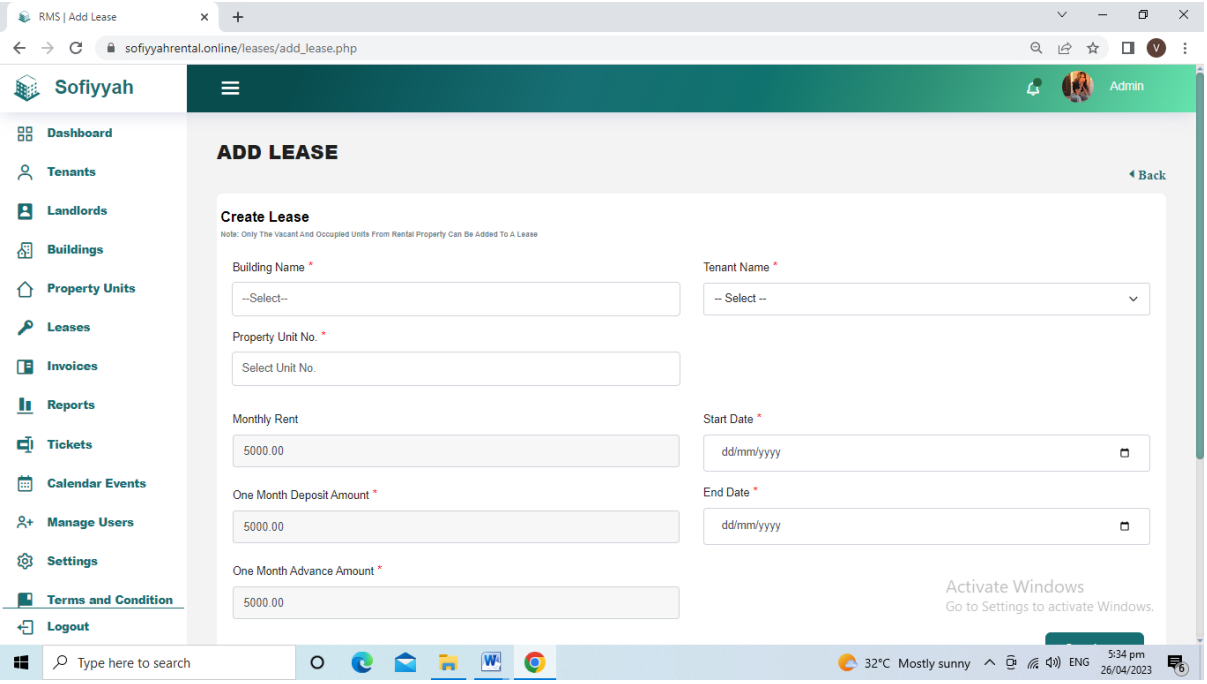
1. To add property unit, user should click the add property unit button on the property units page.
2. Fill out the property unit details form, scroll down to fill out the bottom part of the form.
3. Click the “save unit” button to complete save the new property unit.

LEASES PAGE



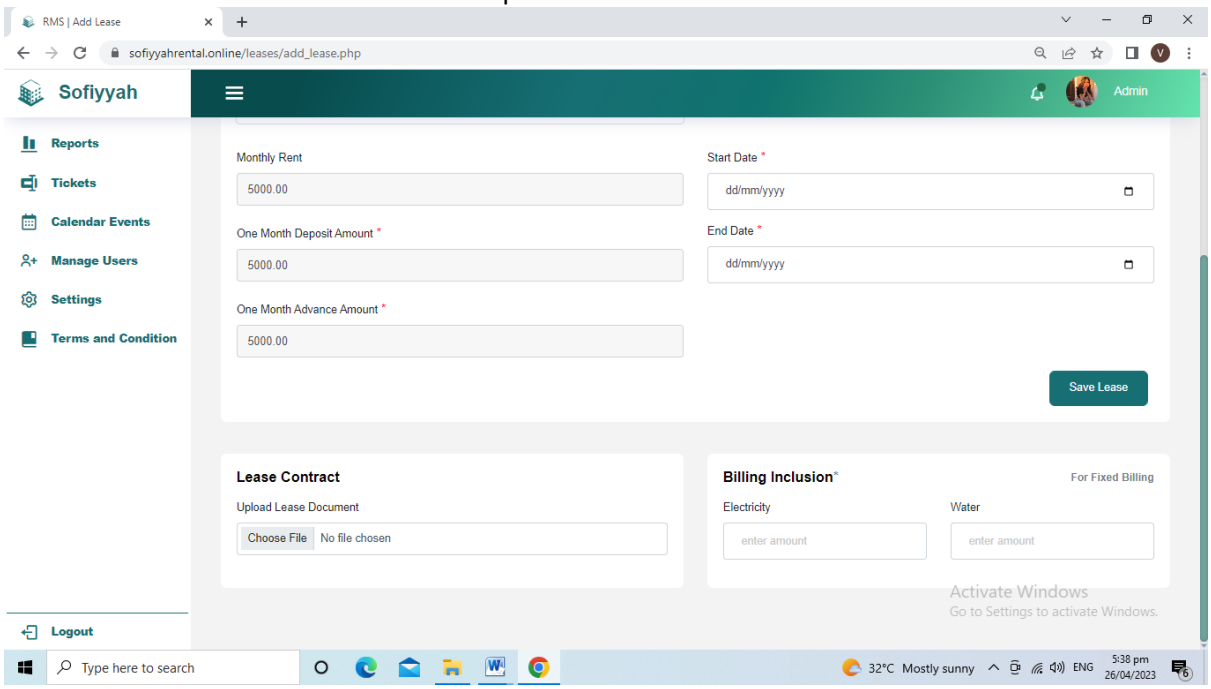
1. To view all of the list of leases, click the leases button in the sidebar.
2. To view the lease details, click the eye icon on the right side and to edit the lease information, click the pen icon on the right side.
3. To delete the data of lease, click the red trash can icon on the right side.

ADDINDG OF LEASE



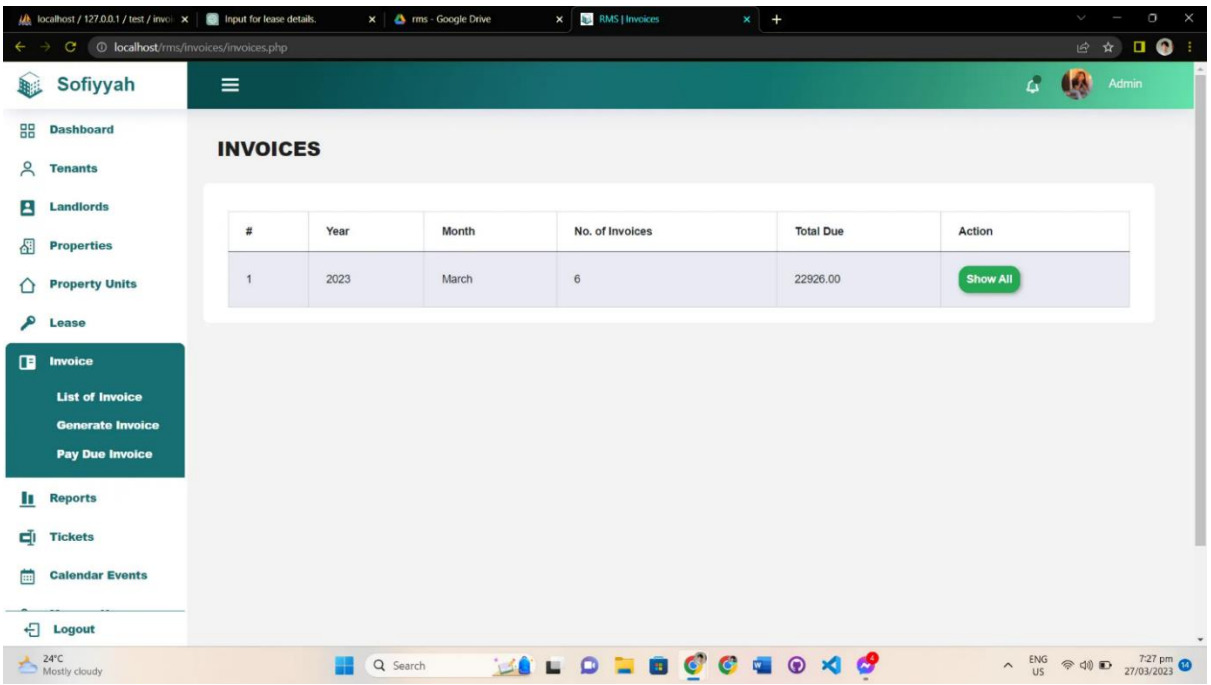
1. To add lease, user should click the add lease button on the lease page.

2. Fill out the lease details form, such as property name, unit number, monthly rent, tenant name, start date, end date, one month deposit amount and advance.
3. Scroll down to fill out the bottom part of the form.



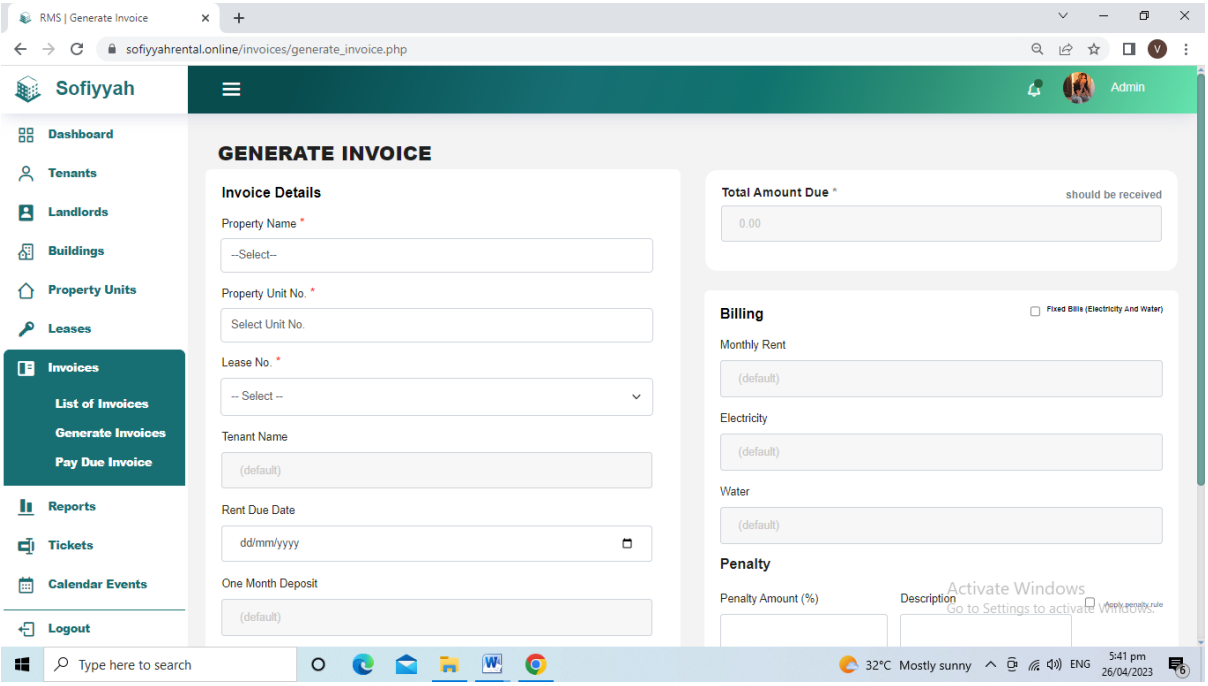
1. Upload the lease contract and you can billings inclusion but it is optional.
2. Click the save Lease to complete.

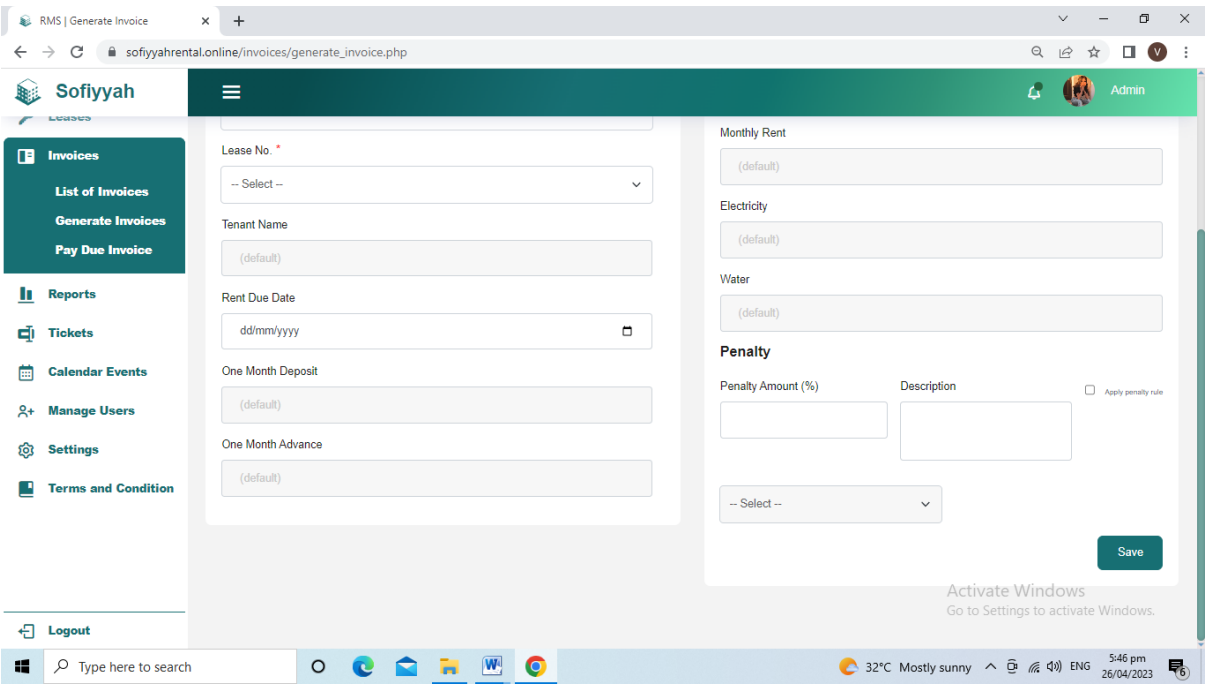
INVOICES PAGE



1. To view the list of all invoices, click the invoices button and select the list of invoice.
2. To view the invoice details, click the eye icon on the right side.
3. To edit the invoice information, click the pen icon on the right side.
4. To delete the data of invoice, click the red trash can icon on the right side.

GENERATING INVOICE





1. To generate invoice, user should click the invoice button and choose the generate invoice.
2. Fill out the invoice details form, such as property name, unit number, lease number, tenant name, and others.
3. Scroll down to fill out the bottom part of the form.
4. Click the save button to complete.

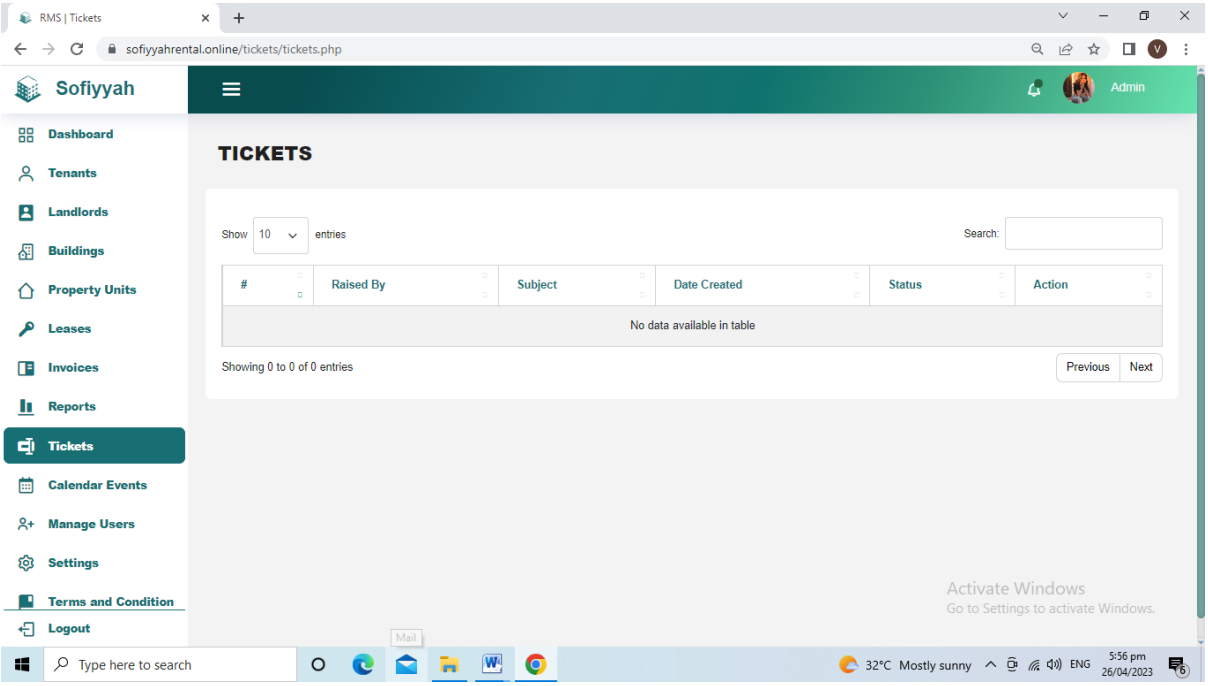
PAY INVOICE

1. To pay an invoice, user should click the invoice button and choose the generate invoice.
2. Fill out the invoice details form, such as property name, unit number, lease number, tenant name, and others.
3. Scroll down to fill out the bottom part of the form.
4. Click the save button to complete.

REPORTS PAGE

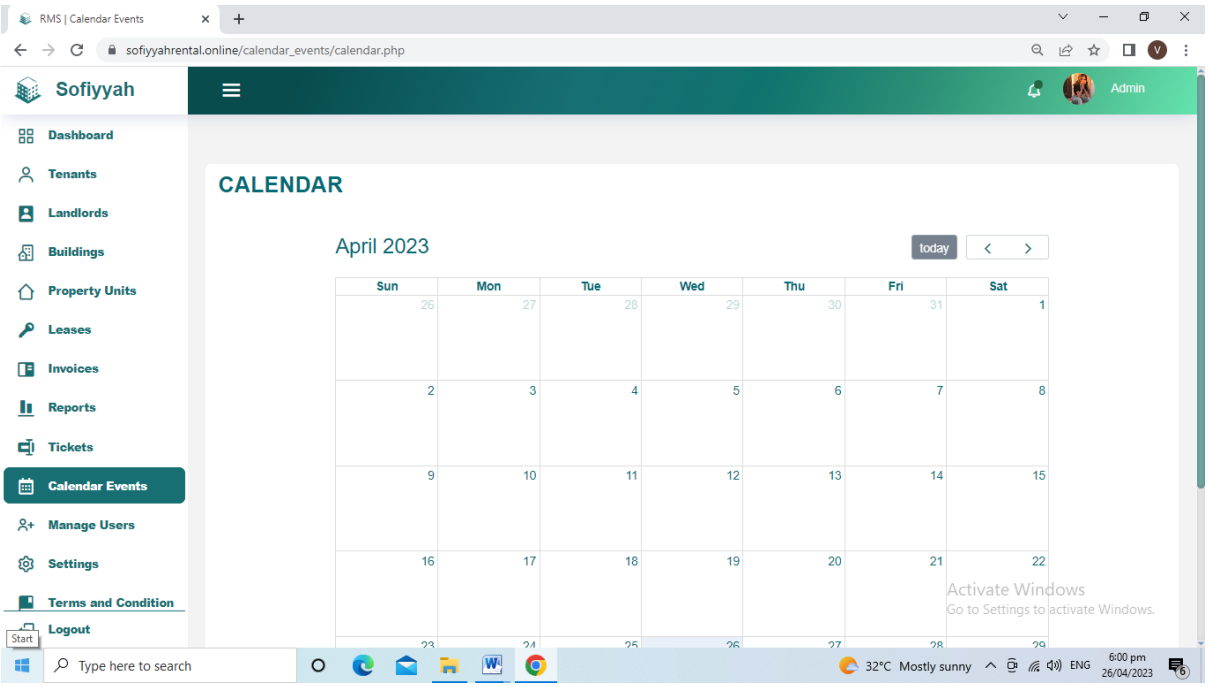
1. To view reports, click the reports button and you can view the paid and unpaid invoices.

TICKETS PAGE



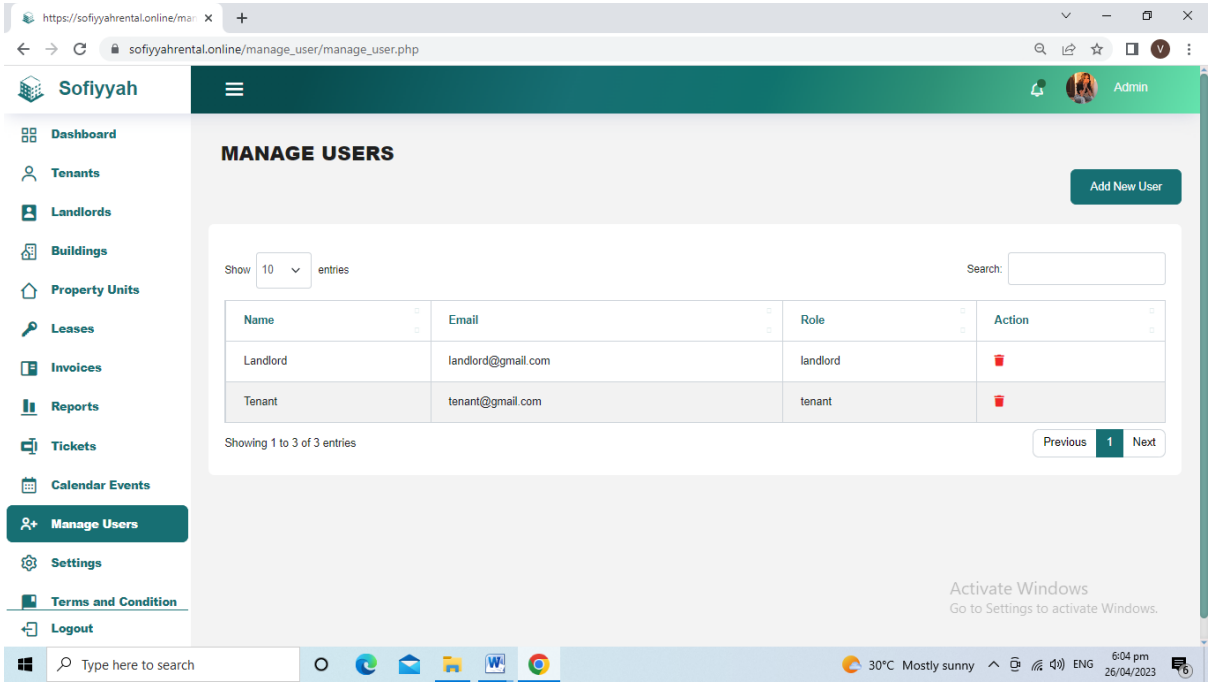
1. To view all tickets, click the tickets button in the sidebar.

CALENDAR PAGE



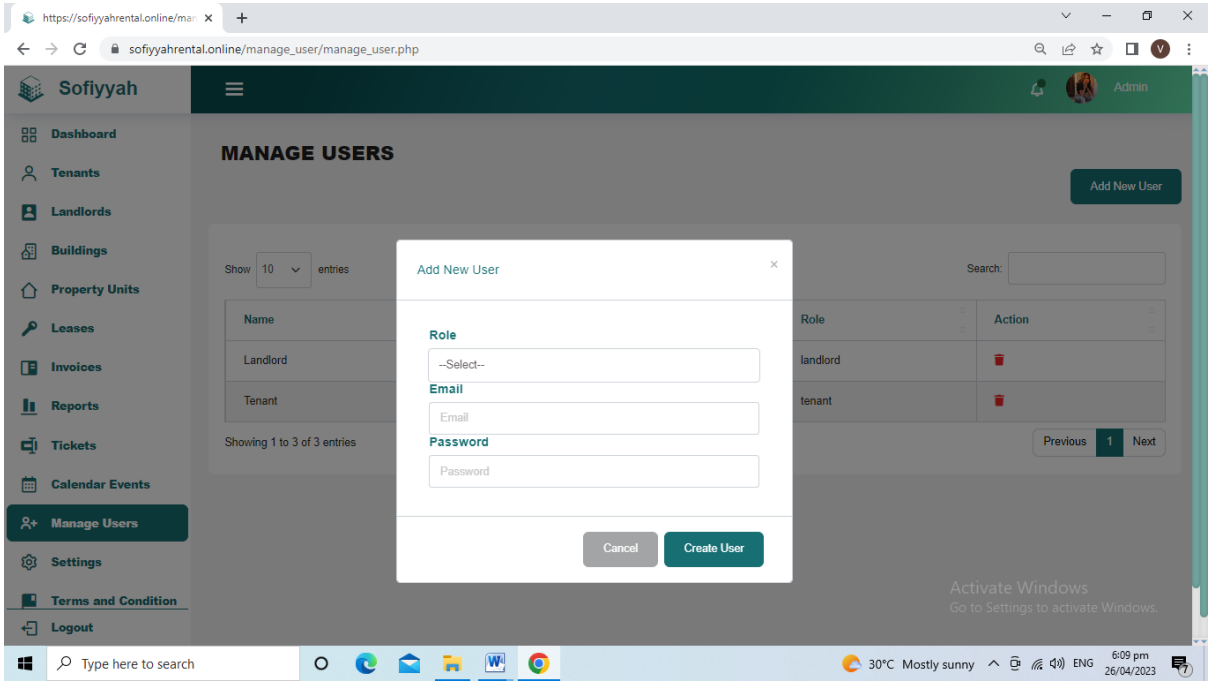
1. To view all calendar events, click the Calendar Events button in the sidebar and all the events set in calendar are now visible.

MANAGE USERS PAGE



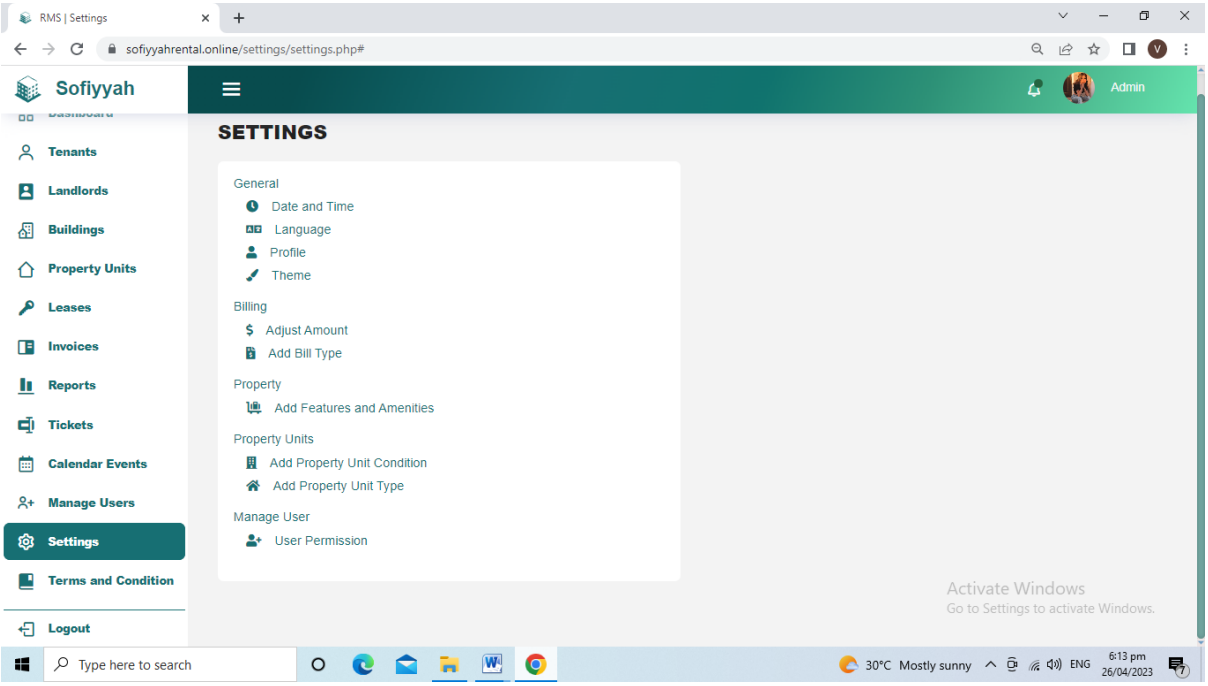
1. To view all users, click the Manage Users button in the sidebar.
2. To delete user, click the red trash can icon on the right side.

ADD USER



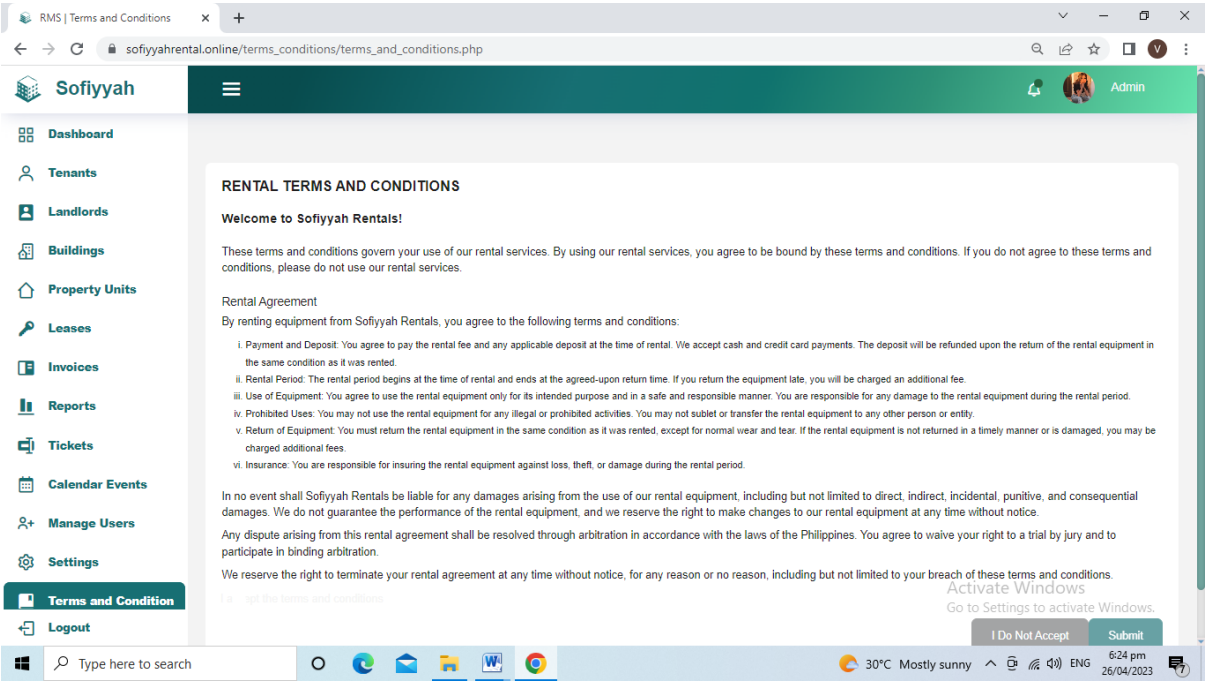
1. To add new user, click the add new user button on the side bar.
2. Fill out the add new user form, such as role, email, and password.
3. Click create user button to complete.

SETTINGS PAGE



1. To check settings, click the setting buttons on the side bar.
2. In settings, you can customize the system such as the theme and language.

TERMS AND CONDITIONS PAGE



1. To view the terms and conditions, click the Terms and Conditions button.

Chapter 7 – Testing and Results

7.1 Testing Plan

7.1.1 Test Strategy and Approach

7.1.1.1 Test Type

Unit Testing

This approach involves testing individual components or units of the software in isolation. For the automated testing tool, we are going to use Selenium. Unit testing intends to test the following;

Table 12: Unit Testing

For Admin to Log in Requirements are as follows:	
1.	Input correct email
2.	Input correct password
3.	Hit Log in Button
4.	Apartment Rental Management System

For Tenant to Log in that don't have an account Requirements are as follows: (admin will be the one to create tenant's account)	
1.	Input correct email
2.	Input correct password
3.	Hit Log in Button
4.	Apartment Rental Management System
5.	Go to Manage Users
6.	Click "Add New User"
7.	Input Name of the Tenant
8.	Input Username
9.	Input Password
10.	Confirm Password
11.	Choose role (Tenant)
12.	Click "Create User"

For Landlord to Log in that don't have an account Requirements are as follows: (admin will be the one to create Landlord's account)	
1.	Input correct email
2.	Input correct password
3.	Hit Log in Button
4.	Apartment Rental Management System
5.	Go to Manage Users
6.	Click "Add New User"
7.	Input Name of the Landlord
8.	Input Username
9.	Input Password
10.	Confirm Password
11.	Choose role (Landlord)
12.	Click "Create User"

Integration Testing

This testing type verifies if the system is correctly interacting with the database. Our system uses PHPMyAdmin as a database management tool and we are going to use PHPUnit testing framework for database integration testing.

User Acceptance Testing

This testing type involve the end-users of the system. This tests if the system meets their specifications and expectations. Our system will be tested using beta testing.

System Testing

This testing type intends to test the entire software system as a whole to ensure that the system meets the required specifications and performs as expected. This includes:

- **Performance testing-** a type of **non-functional testing** and we check how our application or software is responding under peak conditions.
- **Security Testing**- ensures that the security features of the system are able to protect sensitive data especially customer's data and prevent unauthorized access or attacks.

7.1.1.2 Scope of testing

Table 13: Scope of Testing

MODULE	ROLES	DESCRIPTION
ADMIN MODULE	Admin	After successfully creating an account admins and client can add content on all pages and access all features in the Admin side
TENANT MODULE	Tenant	After logging in with their registered account tenants may now view their profile, check the invoices, monthly dues, and can now submit reports/tickets
LANDLORD MODULE	Landlord	After having an account landlord may now view their upcoming dues for their tenants. Submit invoices. Can check for the reports coming from their tenants and can submit feedbacks too.
PAYMENT MODULE	Cash on Hand	The Owner doesn't want to received payment in any online form. Payment must be received in person (client and landlord).
INVOICE MODULE	Issues invoice	Generate invoice for payment. View list of invoices and dues for invoices.
NOTIFICATION MODULE	Admin, Landlord and	Admin & Landlord: will notify when there's a

	Tenant	report coming from their tenants Tenants: can receive information for dues, invoices, events and feedback from their submitted report.
PROPERTIES MODULE	Admin, landlord and Tenants	Admin: can view properties with its location, owner and actions. Can edit (add, delete and view) Landlord: can view his/her own unit Tenant: view the location of the property

7.1.1.3 Risk and Issues

Table 14: Risks and Issues

Risk	Mitigation
Team member lack the required skills for website testing	Plan training course to skill up your members
Team member may face bug and other problem about the system	Do lots of research and find way to fix problems.
Team member lack of time in implementing some modules	Do the speed run to fix what is needed to be fix

7.1.1.4 Test Logistics

The system will be tested and will be led by Ms. Ganilyn Avon Alcontin with the collaboration of random users and also with the client.

When each of the following inputs is prepared, the tester will begin the testing phase:

- Testing software is available
- Hardware resources is enough.
- Sufficient testing personnel
- The creation of a test specification is done
- A test environment is available

7.1.2 Test Objective

• To ensure that the system meets the client's functionality specifications and expectations.
• To guarantee that the website works well and is user-friendly across a range of browsers and devices.
• To ensure that the performance of the system such as response time is efficient.
• To make sure that the system performs well even with a heavy workload
• To identify issues that are open for improvements

7.1.3 Test Criteria

7.1.3.1 Entry Criteria

- Completeness of the requirements: The project's or feature's requirements should be clearly stated, recorded, and authorized by all pertinent parties.
- Resource accessibility: Prior to the start of the activity, all required staff, equipment, software, and other resources should be on hand.
- Prior actions: This should be finished if there are any dependencies or prerequisites for the current activity.

- Deliverable quality: All products from earlier activities must adhere to the necessary standards of quality and be approved by the appropriate parties.
- Stakeholder approval: Before moving on to the next phase or activity, approval from the necessary stakeholders should be secured.

7.1.3.2 Suspension Criteria

- Resource limitations: The project may need to be temporarily put on hold if there are major resource limitations, such as a lack of funding, qualified workers, or hardware and software resources.
- Changes to the project's scope: This may necessitate the project to be put on hold while a new plan is produced if there are major changes that cannot be accommodated within the current budget or timetable.
- Technical problems: The project may need to be put on hold until a solution is discovered if technical problems arise that cannot be resolved within a realistic schedule or budget.

7.1.3.3 Resumption Criteria

- Resources must be available: In order to restart the project, including funding, employees, and hardware and software resources.
- Updated project plan: To address any changes in requirements or scope that led to the suspension, an updated project plan must be created.
- Technical problems: This must be fixed before the project may resume. Technical problems that led to the suspension must be fixed.

7.1.3.4 Exit Criteria

- Carrying out all scheduled tasks, including development, testing, documentation, and review.
- Achieving the necessary degree of quality, including performance, maintainability, security, and reliability.
- Achieving the acceptance standards established with stakeholders or end users.
- User acceptability testing, which verifies that the program satisfies their needs and expectations.
- Repairing any flaws, errors, or problems discovered during testing and development.

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7.1.4 Resource Planning

7.1.4.1 System Resource

Table 15: System Resource

Name	Type
Laptop	Hardware
Cellphone	Hardware
Software for development	Software
Hosting Domain	Software

7.1.4.2 Human Resource

Table 16: Testing Team

Members	Task
Quality Assurance	Tests the system if all modules are running.

Business Analyst	Tests if the system features meet the client's specifications.
Developer	Develop the system and turn it over for testing.
Project Manager	Oversees the testing process and supports the other members.
User Experience Designer	Tests if all of the system's buttons are working and if the system is easy to navigate and user-friendly.

7.1.5 Test Environment

The purpose of a testing environment is to provide a controlled and isolated environment for testing the software in a way that replicates the real-world use cases as possible.

- Developmental Environment
  - Visual Studio Code
- Testing Environment
  - Localhost
- Mobile Device Testing Environment
  - Smartphone
- Performance Testing Environment
  - Apache JMeter
- Security Testing Environment
  - Burp Suite

7.1.6 Schedule and Estimation

Table 17: Testing Schedule

Type of Testing	Task	Start Date	End Date
Unit Testing	Testing individual modules and functions of the code.	April 3. 2023	April 10, 2023
Integration Testing	Testing how different features and modules work together.	April 11, 2023	April 17, 2023
User Acceptance Testing	Testing then system from the end user's perspective.	April 18, 2023	April 22, 2023
System Testing	Testing the whole system.	April 22, 2023	April 30, 2023
Performance Testing	Testing the system's performance under different workloads.	May 2, 2023	May 8, 2023
Security Testing	Testing the system's security vulnerabilities.	May 9, 2023	May 15, 2023

7.1.7 Test Deliverables

Table 18: Test Deliverables

Deliverables	Description
Test Plan	A document that describes the testing strategy, goals, parameters, and schedule.
Test Cases	Comprehensive guidelines for testing particular system operation or features.
Test Reports	Descriptions of the testing findings, such as any flaws, pass/fail percentages, and performance data.

User Acceptance Testing (UAT) Sign-Off	Is a formal record that attests to the end user's approval of the software item. It means that the program is prepared for release to production and complies with all user requirements, specifications, and expectations.
Test Scripts	A set of automated test cases that can be run repeatedly.
Test Summary Report	A report that offers a summary of the testing operations, together with a list of the outcomes and any suggestions for improvement.

7.2 Test Cases

Table 19: Test Cases

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Login_01				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): High				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: User Accounts				Test Execution Date: Feb. 17, 2023		
Test Title: Verify the login page with a valid username and password.						
Pre-conditions: A valid user account						
Post-conditions: Users may now access other modules that require authentication						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Launch application	https://sofiyyahrental.online	Log in	Same as expected	pass	[Avon 02/17/2023 2:30 PM]: Launch successful
2.	Enter correct Email & Password and hit login	Email: admin@gmail.com Password: *****	Login success	Same as expected	pass	[Avon 02/17/2023 2:45 PM]: Launch successful

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Login_02				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): High				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: User Accounts				Test Execution Date: Feb. 17, 2023		
Test Title: Check if users cannot login using invalid accounts						
Pre-conditions: Invalid user account						
Post-conditions: Users cannot access other modules that require authentication						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Launch application	https://sofiyyahrental.online	Log in	Same as expected	pass	[Avon 02/17/2023

						2:30 PM]: Launch successful
2.	Enter invalid Email & any Password and hit login button	Email: test Password: ****	Invalid username/password. Try again.	Same as expected	pass	[Avon 02/17/2023 2:32 PM]: Launch successful
3.	Enter valid Email & incorrect Password and hit login button	Email: admin@gmail.com Password: ****	Invalid username/password. Try again.	Same as expected	pass	[Avon 02/17/2023 2:40 PM]: Launch successful
4.	Enter valid Email in upper case & correct Password and hit login button	Email: ADMIN@gmail.com Password: *****	Invalid username/password. Try again.	Same as expected	pass	[Avon 02/17/2023 2:41 PM]: Launch successful
5.	Enter valid Email in in lower case & correct Password in upper case and hit login button	Email: admin@gmail.com Password: *****	Invalid username/password. Try again.	Same as expected	pass	[Avon 02/17/2023 2:42 PM]: Launch successful
6.	Enter correct Email & Password and hit login	Email: admin@gmail.com Password: *****	Login success	Same as expected	pass	[Avon 02/17/2023 2:45 PM]: Launch successful
7.	"Forgot password" Input random email and hit reset button	Email: ganilynavonalcontin@gmail.com	The email address you provided does not exist in our system.	Same as expected	pass	[Avon 02/17/2023 3:00 PM]: Launch successful

Project Name **Apartment Rental Management System**	
Test Case ID: TC_Login_03	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): Med	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: User Accounts	Test Execution Date: Feb. 17, 2023
Test Title: Check if users can use the eye button	
Pre-conditions: hide and show the password	
Post-conditions: users can now hide or read their inputted passwords	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Eye icon closed	Password: *****	Password hidden	Same as expected	pass	[Avon 02/17/2023 2:50 PM]: Launch successful

2.	Eye icon open	Password: admin	Password viewed	Same as expected	pass	[Avon 02/17/2023 2:50 PM]: Launch successful

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Login_04				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): High				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: User Accounts				Test Execution Date: Feb. 17, 2023		
Test Title: check if users can use the remember me button						
Pre-conditions: restore the email and password						
Post-conditions: users can automatically click their saved email and password						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	"Remember me"	Email: admin@gmail.com Password: *****	Remembers the email and password	Automatically suggest account to fill in	pass	[Avon 02/17/2023 2:50 PM]: Launch successful

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Login_04				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): High				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: User Accounts				Test Execution Date: Feb. 17, 2023		
Test Title: Check if users cannot change password using invalid accounts						
Pre-conditions: use invalid Gmail account						
Post-conditions: users cannot proceed to reset password						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Input random email and hit reset button	Email: ganilynavonalcontin@gmail.com	The email address you provided does not exist in our system.	Same as expected	pass	[Avon 02/17/2023 3:00 PM]: Launch successful
2.	Input correct email in uppercase and hit reset button	Email: ADMIN@gmail.com	Didn't accept the email address	Same as expected	pass	[Avon 02/17/2023 3:03 PM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Login_05	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin

Module Name: User Accounts	Test Execution Date: Feb. 17, 2023
Test Title: Check if users can change password using correct account	
Pre-conditions: use correct Gmail account	
Post-conditions: users can proceed to reset password	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Input correct email and hit reset button	Email: admin@gmail.com	accepted the email address	Same as expected	pass	[Avon 02/17/2023 3:05 PM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Login_06	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: User Accounts	Test Execution Date: Feb. 17, 2023
Test Title: Check if users cannot change password using invalid accounts	
Pre-conditions: use invalid Gmail account	
Post-conditions: users cannot proceed to reset password	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Input the current pass and input new and enter again new password and hit reset button	Current password: admin Enter New password: test Enter again new password: test	New password: test	The password didn't change	fail	[Avon 02/17/2023 3:10 PM]: Launch Fail

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Login_07	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: User Accounts	Test Execution Date: Feb. 17, 2023
Test Title: Check if users can click the back to log in from forgot password module	
Pre-conditions: use will click the back to log in icon	
Post-conditions: users can go back to log in	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Click "back to log in"	Click only	Going back to log in	Same as expected	pass	[Avon 02/17/2023 3:10 PM]: Launch successful

Project Name: **Apartment Rental Management System**

Test Case ID: TC_Login_07	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: User Accounts	Test Execution Date: Feb. 17, 2023

Test Title: Check if users can the remember me button

Pre-conditions: user will input email and password to remember

Post-conditions: users can now automatically sign in with their saved account

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
	"Remember me"	Email: admin@gmail.com Password: *****	Remembers the email and password	Same as expected	pass	[Avon 02/17/2023 2:50 PM]: Launch successful

Project Name: **Apartment Rental Management System**

Test Case ID: TC_Dashboard_01	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): Med	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: bell icon	Test Execution Date: Feb. 17, 2023

Test Title: Check if users can check notifications

Pre-conditions: users can check notifications

Post-conditions: users may now check notifications

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	hit the bell button to check notifications	Click the icon	Shows notifications	It shows notifications like "application error" "settings" "new user registration"	pass	[Avon 02/17/2023 3:15 PM]: Launch successful
2.	Hit each notification to view	Click "application error" notification	Should open the message/notification	Didn't open	fail	[Avon 02/17/2023 3:12 PM]: Launch Fail
3.	Read/view all the notification to remove, the dot icon in bell button icon	View the notification	The icon will not be display anymore after viewing all	Still on the display	fail	[Avon 02/17/2023 3:12 PM]: Launch Fail

Project Name: **Apartment Rental Management System**

Test Case ID: TC_Dashboard_02	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: user accounts	Test Execution Date: Feb. 17, 2023

Test Title: profile						
Pre-conditions: user can view profile						
Post-conditions: users can now view profile						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	hit the profile button	To view profile	View profile	Didn't load	fail	[Avon 02/17/2023 3:15 PM]: Launch Fail

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Dashboard_03	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): Med	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: user accounts	Test Execution Date: Feb. 17, 2023

Test Title: settings						
Pre-conditions: user can go to settings						
Post-conditions: users can't view settings yet						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	hit the settings button	To view settings	View settings	Didn't load	fail	[Avon 02/17/2023 3:16 PM]: Launch Fail

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Dashboard_04	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): Med	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: user accounts	Test Execution Date: Feb. 17, 2023

Test Title: log out						
Pre-conditions: user can log out						
Post-conditions: users can now log out						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	hit the log out button	Exit/log out	Leave and go back to log in	Log in again	pass	[Avon 02/17/2023 3:17 PM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Dashboard_05	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): Med	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Dashboard	Test Execution Date: Feb. 17, 2023

Test Title: total tenants
Pre-conditions: user can view total tenants
Post-conditions: users can't view the total tenants. Only the overall

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	hit the total tenants	View the total tenants	View total tenants	Didn't load	fail	[Avon 02/17/2023 3:19 PM]: Launch Fail

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Dashboard_06	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): Med	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Dashboard	Test Execution Date: Feb. 17, 2023
Test Title: total landlords	
Pre-conditions: user can view total landlords	
Post-conditions: users can not now view the total landlords. Only the overall	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	hit the total landlords	View the total landlords	View total landlords	Didn't load	fail	[Avon 02/17/2023 3:20 PM]: Launch Fail

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Dashboard_07	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): Med	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Dashboard	Test Execution Date: Feb. 17, 2023
Test Title: total Property	
Pre-conditions: user can view total Property	
Post-conditions: users can not now view the total l Property. Only the overall	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	hit the total Property	View the total Property	View total Property	Didn't load	fail	[Avon 02/17/2023 3:21 PM]: Launch Fail

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Dashboard_08	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Dashboard	Test Execution Date: Feb. 17, 2023

Test Title: Total Income						
Pre-conditions: user can view Total Income						
Post-conditions: users can not now view the Total Income. Only the overall						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	hit to view Total Income	View the Total Income	View Total Income	Didn't view	fail	[Avon 02/17/2023 3:23 PM]: Launch Fail

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Dashboard_09			Test Designed by: Ganilyn Avon B. Alcontin			
Requirement No: FO1			Test Designed Date: Feb. 08, 2023			
Test Priority (Low/Med/High): High			Test Executed by: Ganilyn Avon B. Alcontin			
Module Name: Calendar			Test Execution Date: Feb. 17, 2023			
Test Title: To check if the features are functioning						
Pre-conditions: user can view calendar						
Post-conditions: users can now view the calendar						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	hit "today" to see the current date	Click "today" button	Current date	Same as expected	pass	[Avon 02/17/2023 3:25 PM]: Launch successful
2.	Hit ">" button to view the next month	Click ">" button	Proceed to month of march	Same as expected	Pass	[Avon 02/17/2023 3:26PM]: Launch successful
3.	Hit "<" button to view the previous month	Click "<" button	Go back to the month of January	Same as expected	Pass	[Avon 02/17/2023 3:26 PM]: Launch successful
4.	Hit "<" button many times and hit today button to go back to current date	Click ">" button many times then click "today"	Goes back to current date	Same as expected	Pass	[Avon 02/17/2023 3:35 PM]: Launch successful
5.	Hit ">" button many times and hit today button to go back to current date	Click "<" button many times then click "today"	Goes back to current date	Same as expected	Pass	[Avon 02/17/2023 3:35 PM]: Launch successful
6.	Click the date to set an event	Click february 23, 2023 to set an event	Can set an event	Can't input event	fail	[Avon 02/17/2023 3:37 PM]:

						Launch Fail

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Tenants_01	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Tenants	Test Execution Date: Feb. 19, 2023
Test Title: Add Tenant	
Pre-conditions: user can add new tenant	
Post-conditions: users can now add the new tenant	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	hit “add tenant” to fill up	Click “add tenant”	View form	Same as expected	Pass	[Avon 02/19/2023 12:20 AM]: Launch successful
2.	Fill in tenant details	Fill in all needed information	Should be save and add to tenants	Same as expected	Pass	[Avon 02/19/2023 12:58 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Tenants_02	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Tenants	Test Execution Date: Feb. 19, 2023
Test Title: checking validations in tenants	
Pre-conditions: user check if the forms have minimums and maximums	
Post-conditions: users can fill in tenant details	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Fill in “First Name” as many letters and spaces	olivia charlotte emma amelia ava	Must have limitations (maximum)	Infinite filling in	fail	[Avon 02/19/2023 1:00 AM]: Launch successful
2.	Fill in “Middle Name” as many letters and spaces	emma amelia ava	Must have limitations (maximum)	Infinite filling in	fail	[Avon 02/19/2023 1:05 AM]: Launch successful
3.	Fill in “Last Name” as many letters and spaces	emma amelia ava emma amelia ava	Must have limitations (maximum of two words)	Infinite filling in	fail	[Avon 02/19/2023 1:08 AM]: Launch

						successful
4.	Fill in “Contact no.”	Test: 09067066040	Must be limit to 11 digits	090670660400 Accepts 12 digits	fail	[Avon 02/19/2023 1:10 AM]: Launch successful
5.	Fill in “No. of Pets”	Test: 500	Must be 1 digit only	Accepts more than 3 digits	fail	[Avon 02/19/2023 1:11 AM]: Launch successful
6.	Fill in “pet type”	Test: Cats, Dogs	Fill in	Same as expected	pass	[Avon 02/19/2023 1:13 AM]: Launch successful
7.	Fill in Other Occupants’ “Full Name”	Test: ava emma ava emma	Can fill in more than 2 words	Same as expected	pass	[Avon 02/19/2023 1:15 AM]: Launch successful
8.	Fill in Other Occupants’ “Relationship to Tenant”	Test: Twin Sister	Can fill in anything	Same as expected	pass	[Avon 02/19/2023 1:20 AM]: Launch successful
9.	Fill in Emergency Contact Person’s “Full Name”	Test: ava emma emma emma emma emma	Must have minimum in filling full name	Infinite filling in	fail	[Avon 02/19/2023 1:22 AM]: Launch successful
10.	Fill in Emergency Contact Person’s “Contact No.”	Test: 09067066070123343445	Must be 11 digits only	Accepts more than 11 digits	fail	[Avon 02/19/2023 1:25 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Tenants_03	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Tenants	Test Execution Date: Feb. 19, 2023
Test Title: checking validations in tenants	
Pre-conditions: user check if the forms accepts either numbers or letters	
Post-conditions: users can fill in tenant details	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Fill in “First Name” with numbers	Test: 123234343546576	“Details must be in letters”	Accepts numbers	Fail	[Avon 02/19/2023

						1:30 AM]: Launch successful
2.	Fill in “Middle Name” with numbers	Test: 1234567890	“Details must be in letters”	Accepts numbers	Fail	[Avon 02/19/2023 1:32 AM]: Launch successful
3.	Fill in “Last Name” with numbers	Test: 123456789	“Details must be in letters”	Accepts numbers	Fail	[Avon 02/19/2023 1:33 AM]: Launch successful
4.	Fill in “Contact No.” with letters	Test: qwertyuiopppp	“Details must be in number”	Accepts letters	Fail	[Avon 02/19/2023 1:33 AM]: Launch successful
5.	Fill in “No. of pets” with letters	Test: e	“Details must be in number”	Accepts 1 letter only	Fail	[Avon 02/19/2023 1:35 AM]: Launch successful
6.	Fill in “pet type” with numbers	Test: 1234567	“Details must be in letters”	Accepts numbers	Fail	[Avon 02/19/2023 1:37 AM]: Launch successful
7.	Fill in other occupants’ “Full Name” with numbers	Test: 12345678	“Details must be in letters”	Accepts numbers	Fail	[Avon 02/19/2023 1:40 AM]: Launch successful
8.	Fill in other occupants’ “Full Name” with numbers	Test: 2345678	“Details must be in letters”	Accepts numbers	Fail	[Avon 02/19/2023 1:42 AM]: Launch successful
9.	Fill in Emergency Contact Person’s “Full Name” with numbers	Test: 1234567	“Details must be in letters”	Accepts numbers	Fail	[Avon 02/19/2023 1:42 AM]: Launch successful
10.	Fill in Emergency Contact Person’s “Contact No.” with letters	Test: asdfgjkl	“Details must be in numbers”	Accepts letters	Fail	[Avon 02/19/2023 1:44 AM]: Launch successful

Test Case ID: TC_Tenants_04	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Tenants	Test Execution Date: Feb. 19, 2023

Test Title: Add Tenant validation

Pre-conditions: user can fill in using radio button

Post-conditions: users can now fill in the add tenant

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	hit “date of birth”	Test: Nov. 18, 2002	Can choose with its button	Same as expected	Pass	[Avon 02/19/2023 1:48 AM]: Launch successful Launch successful
2.	Click “region” choose region	Test: REGION IX (ZAMBOANGA PENINSULA)	Can choose with its button	Same as expected	Pass	[Avon 02/19/2023 1:50 AM]: Launch successful Launch successful
3.	Click “provinces” choose province	Test: REGION IX (ZAMBOANGA PENINSULA)	Can choose with its button	Same as expected	Pass	[Avon 02/19/2023 1:51 AM]: Launch successful Launch successful
4.	Click “City” choose City	Test: ZAMBOANGA CITY	Can choose with its button	Same as expected	Pass	[Avon 02/19/2023 1:52 AM]: Launch successful Launch successful
5.	Click “Do Tenant own a pet?” click both	Test: yes and no	Must switch to one only	Same as expected	Pass	[Avon 02/19/2023 1:55 AM]: Launch successful Launch successful
6.	Click “Type of Household” and choose	Test: single parent	Reflected to the box after choosing	Same as expected	Pass	[Avon 02/19/2023 1:57 AM]: Launch successful Launch

						successful
7.	Click “type vehicles” more than one	Click car and motorcycle	Both checked simultaneously	Same as expected	Pass	[Avon 02/19/2023 2:00 AM]: Launch successful Launch successful
8.	Click “Civil Status” and choose	Test: single	Reflected to the box after choosing	Same as expected	Pass	[Avon 02/19/2023 2:03 AM]: Launch successful Launch successful
9.	Click “sex” and choose	Test: female	Reflected to the box after choosing	Same as expected	Pass	[Avon 02/19/2023 2:04 AM]: Launch successful Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Tenants_05	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Tenants	Test Execution Date: Feb. 19, 2023
Test Title: Add Tenant’ date of birth	
Pre-conditions: user can not use current date for date of birth or ages around 18 above	
Post-conditions: users can now fill in date of birth	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	hit “date of birth”	Test: february 19, 2023	“age 18 above”	Same as expected	Pass	[Avon 02/19/2023 2:05 AM]: Launch successful Launch successful

1.

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Tenants_06	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): Med	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Tenants	Test Execution Date: Feb. 19, 2023
Test Title: Add Tenant’s Email	
Pre-conditions: user can use any email address	

Post-conditions: users can now fill in email						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Fill in “email”	Email: xt202001166@wmsu.edu.ph	accepted	Same as expected	Pass	[Avon 02/19/2023 2:06 AM]: Launch successful Launch successful

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Tenants_07			Test Designed by: Ganilyn Avon B. Alcontin			
Requirement No: FO1			Test Designed Date: Feb. 08, 2023			
Test Priority (Low/Med/High): high			Test Executed by: Ganilyn Avon B. Alcontin			
Module Name: Tenants			Test Execution Date: Feb. 19, 2023			
Test Title: tenant details						
Pre-conditions: not filling in required (*) details						
Post-conditions: users can now fill in details						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Skip all the required to fill in	Skip First Name, Last Name, Date of Birth, Contact no., Pet Type, emergency contact person’s Full name and Contact No.	Must required (appear in red color)	Same as expected	Pass	[Avon 02/19/2023 2:10 AM]: Launch successful Launch successful

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Tenants_08			Test Designed by: Ganilyn Avon B. Alcontin			
Requirement No: FO1			Test Designed Date: Feb. 08, 2023			
Test Priority (Low/Med/High): high			Test Executed by: Ganilyn Avon B. Alcontin			
Module Name: Tenants			Test Execution Date: Feb. 19, 2023			
Test Title: tenant details’ middle name						
Pre-conditions: not filling in middle name						
Post-conditions: users can now fill in middle name						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Skip “middle name”	Leave blank the middle name	Must not required	Info were saved even without middle name	Pass	[Avon 02/19/2023 2:11 AM]: Launch successful Launch successful

						Remove the requiremen t as some people don't have middle name

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Tenants_09	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): med	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Tenants	Test Execution Date: Feb. 19, 2023
Test Title: Add Tenant's Back button	
Pre-conditions: user can use back button	
Post-conditions: users can now go back to tenants	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Click "back"	back	Go back to tenants	Same as expected	Pass	[Avon 02/19/2023 2:12 AM]: Launch successful Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Tenants_10	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): med	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Tenants	Test Execution Date: Feb. 19, 2023
Test Title: Search bar	
Pre-conditions: user can search button	
Post-conditions: users can now use search button	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Type any number in search button	Test: 3	Shows results or existing tenant	Can't use for searching	fail	[Avon 02/19/2023 2:15 AM]: Launch successful Launch Fail
2.	Type existing contact number	Test: 09067066040	Must show number 4	Same as expected	pass	[Avon 02/19/2023 2:17 AM]: Launch successful

						Launch successful
3.	Type existing email	Test: tenant@gmail.com	Must show number 1	Same as expected	pass	[Avon 02/19/2023 2:18 AM]: Launch successful Launch successful
4.	Type existing name	Test: Perez,Jocelyn	Must show number 1	Same as expected	pass	[Avon 02/19/2023 2:20 AM]: Launch successful Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Tenants_11	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Tenants	Test Execution Date: Feb. 19, 2023
Test Title: Action for tenants' data	
Pre-conditions: user can view, edit, and delete	
Post-conditions: users can now use the action	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1	click delete button	Test: #1	Number 1 will be deleted	Still in the record	Pass	[Avon 02/19/2023 2:25 AM]: Launch successful Launch successful
2	click edit button	Test: #1	Number 1 will be edited	Same as expected	Pass	[Avon 02/19/2023 2:26 AM]: Launch successful Launch successful
3.	click view button	Test: #1	Number 1 will be view	error	Fail	[Avon 02/19/2023 2:27 AM]: Launch successful Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Tenants_12	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): Low	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Tenants	Test Execution Date: Feb. 19, 2023
Test Title: show button	
Pre-conditions: user can choose number of entries	
Post-conditions: users can now use the show entries	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	click the arrow down button and choose 10 entries	Click 10 entries	Reflected after	Same as expected	pass	[Avon 02/19/2023 2:30 AM]: Launch successful Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Tenants_13	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): Low	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Tenants	Test Execution Date: Feb. 19, 2023
Test Title: previous and next button	
Pre-conditions: user can click previous and next	
Post-conditions: users can now use	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	click next button	Click twice	The record will go to next	Same as expected	Pass	[Avon 02/19/2023 2:32 AM]: Launch successful Launch successful
2.	click previous button	Click twice	The record will go back	Same as expected	Pass	[Avon 02/19/2023 2:33 AM]: Launch successful Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Landlords_01	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin

Module Name: Landlords	Test Execution Date: Feb. 19, 2023
Test Title: checks if user can Add Landlord	
Pre-conditions: user can add landlords	
Post-conditions: users can now add landlord details	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	hit “add landlord” to fill up	Click “add landlord”	View form	Same as expected	pass	[Avon 02/19/2023 2:35 AM]: Launch successful
2.	Fill in landlord details	Fill I all needed to answer	Should be save and add to landlords	Same	pass	[Avon 02/19/2023 2:43 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_ Landlords _02	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Landlords	Test Execution Date: Feb. 19, 2023
Test Title: Add Landlords’ validation	
Pre-conditions: user check if the forms have minimums and maximums	
Post-conditions: users can fill in Landlords details	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Fill in “First Name” as many letters and spaces	kasandra kendra emma maria yolanda	Must have limitations (maximum)	Infinite filling in	fail	[Avon 02/19/2023 3:00 AM]: Launch successful
2.	Fill in “Middle Name” as many letters and spaces	pilarin bores magcanta villa	Must have limitations (maximum)	Infinite filling in	fail	[Avon 02/19/2023 3:00 AM]: Launch successful
3.	Fill in “Last Name” as many letters and spaces	pilarin bores magcanta villa	Must have limitations (maximum of two words)	Infinite filling in	fail	[Avon 02/19/2023 3:00 AM]: Launch successful
4.	Fill in “Contact no.”	09873456721	Must be limit to 11 digits	Accepts more than 11 digits	fail	[Avon 02/19/2023 3:00 AM]: Launch successful
5.	Fill in Emergency	sandra villa filamon fidel	Must have minimum	Infinite filling	fail	[Avon

	Contact Person's "Full Name"		in filling full name	in		02/19/2023 3:00 AM]: Launch successful
6.	Fill in Emergency Contact Person's "Contact No."	097845621314356678	Must be 11 digits only	Accepts more than 11 digits	fail	[Avon 02/19/2023 3:00 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_ Landlords_03	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Landlords	Test Execution Date: Feb. 19, 2023
Test Title: Add Landlords validation part 2	
Pre-conditions: user check if the forms accepts either numbers or letters	
Post-conditions: users can fill in Landlords details	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Fill in "First Name" with numbers	Test: 123234343546576	"Details must be in letters"	Resets the form	Pass	[Avon 02/19/2023 3:05 AM]: Launch successful
2.	Fill in "Middle Name" with numbers	Test: 1234567890	"Details must be in letters"	Resets the form	Pass	[Avon 02/19/2023 3:05 AM]: Launch successful
3.	Fill in "Last Name" with numbers	Test: 123456789	"Details must be in letters"	Resets the form	Pass	[Avon 02/19/2023 3:05 AM]: Launch successful
4.	Fill in "Contact No." with letters	Test: qwertyuiopppp	"Details must be in number"	Resets the form	Pass	[Avon 02/19/2023 3:05 AM]: Launch successful
5.	Fill in Emergency Contact Person's "Full Name" with numbers	Test: 1234567	"Details must be in letters"	Resets the form	Pass	[Avon 02/19/2023 3:05 AM]: Launch successful
6.	Fill in Emergency Contact Person's "Contact No." with letters	Test: asdfgjkl	"Details must be in numbers"	Resets the form	Pass	[Avon 02/19/2023 3:05 AM]: Launch

						successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Landlords_04	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Landlords	Test Execution Date: Feb. 19, 2023
Test Title: Add Landlord filling in correct details	
Pre-conditions: user can fill in using radio button	
Post-conditions: users can now fill in the add Landlord	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	hit “date of birth”	Test: Nov. 18, 2002	Can choose with its button	Same as expected	Pass	[Avon 02/19/2023 3:15 AM]: Launch successful
2.	Click “region” choose region	Test: REGION IX (ZAMBOANGA PENINSULA)	Can choose with its button	Same as expected	Pass	[Avon 02/19/2023 3:15 AM]: Launch successful
3.	Click “provinces” choose province	Test: REGION IX (ZAMBOANGA PENINSULA)	Can choose with its button	Same as expected	Pass	[Avon 02/19/2023 3:15 AM]: Launch successful
4.	Click “City” choose City	Test: ZAMBOANGA CITY	Can choose with its button	Same as expected	Pass	[Avon 02/19/2023 3:15 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_ Landlords _05	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Landlords	Test Execution Date: Feb. 19, 2023
Test Title: Add Landlords’ validation in date of birth	
Pre-conditions: user cannot use current date for date of birth or ages around 18 above	
Post-conditions: users can now fill in date of birth	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	hit “date of birth”	Test: february 19, 2023	“age 18 above”	Same as expected	Pass	[Avon 02/19/2023 3:20 AM]: Launch

						successful

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Landlords_06				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): low				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: Landlords				Test Execution Date: Feb. 19, 2023		
Test Title: Add Landlord's Email						
Pre-conditions: user can use any email address						
Post-conditions: users can now fill in email						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Fill in "email"	Email: xt202001166@wmsu.edu.ph	accepted	Same as expected	Pass	[Avon 02/19/2023 3:22 AM]: Launch successful

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_ Landlords_07				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): high				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: Landlords				Test Execution Date: Feb. 19, 2023		
Test Title: Landlords details						
Pre-conditions: not filling in required (*) details						
Post-conditions: users can now fill in details						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Skip all the required to fill in	Skip First Name, Last Name, Date of Birth, Contact no., emergency contact person's Full name and Contact No.	Must be required (appears red color asterisk)	Same as expected	Pass	[Avon 02/19/2023 3:22 AM]: Launch successful Launch successful

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_ Landlords _08				Test Designed by: Mr. Jaydee C. Ballaho		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): high				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: Landlords				Test Execution Date: Feb. 19, 2023		
Test Title: Landlords details' middle name						
Pre-conditions: not filling in middle name						
Post-conditions: users can now fill in middle name						
No.	Steps	Test Data	Expected Result	Actual Result	Status	Comments

					(Pass/Fail)	
1.	Skip “middle name”	Leave blank on the middle name	Must accept the information without filling in the middle name	Same as expected	Pass	[Avon 02/19/2023 3:24 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_ Landlords _09	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): med	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Landlords	Test Execution Date: Feb. 19, 2023
Test Title: Identification Document	
Pre-conditions: user check if how many images and type of files can upload	
Post-conditions: users can now add file	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Click “choose file”	Choose file	Only image is accepted (jpg)	Same as expected	Pass	[Avon 02/19/2023 3:26 AM]: Launch successful
2.	Click “choose file” try to upload 2 pictures	Choose two images	Only one image would be uploaded	Same as expected	pass	[Avon 02/19/2023 3:26 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_ Landlords _10	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): med	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Landlords	Test Execution Date: Feb. 19, 2023
Test Title: Add Landlords’ Back button	
Pre-conditions: user can use back button	
Post-conditions: users can now go back to tenants	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Click “back”	Click back	Go back to Landlords	Same as expected	Pass	[Avon 02/19/2023 3:30 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_ Landlords _11	Test Designed by: Ganilyn Avon B. Alcontin

Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): med	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Landlords	Test Execution Date: Feb. 19, 2023
Test Title: Search bar	
Pre-conditions: user can search button	
Post-conditions: users can now use search button	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Type any number in search button	3	Shows results or existing tenant	Can't use for searching	fail	[Avon 02/19/2023 3:31 AM]: Launch successful
2.	Type existing contact number	097845665665	Must show landlord no. 3	Same as expected	pass	[Avon 02/19/2023 3:33 AM]: Launch successful
3.	Type existing email	sandrag@gmail.com	Must show landlord no. 3	Same as expected	pass	[Avon 02/19/2023 3:35 AM]: Launch successful
4.	Type existing name	esteban,sandra	Must show number 2	Same as expected	pass	[Avon 02/19/2023 3:37 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_ Landlords _12	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): med	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Landlords	Test Execution Date: Feb. 19, 2023
Test Title: Landlords	
Pre-conditions: user can view, edit, and delete	
Post-conditions: users can now use the action	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1	click delete button	Test: #1	Number 1 will be deleted	Same as expected	Pass	[Avon 02/19/2023 3:45 AM]: Launch successful
2	click edit button	Test: #1	Number 1 will be edited	Same as expected	Pass	[Avon 02/19/2023 3:50 AM]: Launch

						successful
3.	click view button	Test: #1	Number 1 will be view	error	Fail	[Avon 02/19/2023 3:55 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_ Landlords _13	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): med	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Landlords	Test Execution Date: Feb. 19, 2023
Test Title: show button	
Pre-conditions: user can choose number of entries	
Post-conditions: users can now use the show entries	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	click the arrow down button and choose 10 entries	Click 10 entries	Shows 10 entries only	Same as expected	pass	[Avon 02/19/2023 4:00 AM]: Launch successful
2.	click the arrow down button and choose 25 entries	Click 25 entries	Shows 25 entries only	Same as expected	pass	[Avon 02/19/2023 4:01 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_ Landlords _13	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): Low	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Landlords	Test Execution Date: Feb. 21, 2023
Test Title: show button	
Pre-conditions: user can choose number of entries	
Post-conditions: users can now use the show entries	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	click the arrow down button and choose 10 entries	Click 10 entries	Reflected after	Same as expected	pass	[Avon 02/21/2023 7:00 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Tenants_13	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023

Test Priority (Low/Med/High): Low	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Tenants	Test Execution Date: Feb. 21, 2023
Test Title: previous and next button	
Pre-conditions: user can click previous and next	
Post-conditions: users can now use	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	click next button	Click once	The record will go to next	Same as expected	Pass	[Avon 02/21/2023 7:00 AM]: Launch successful l
2.	click previous button	Click once	The record will go back	Same as expected	Pass	[Avon 02/21/2023 7:02 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Properties_01	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Properties	Test Execution Date: Feb. 21, 2023
Test Title: Add property and going back	
Pre-conditions: user can click add property	
Post-conditions: users can now assess add property	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Click add property	Click add property once	Will loads to add property	Same as expected	pass	[Avon 02/21/2023 7:30 AM]: Launch successful
2.	Click back	Click back once	Go back to properties	Same as expected	pass	[Avon 02/21/2023 7:30 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Properties_02	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Properties	Test Execution Date: Feb. 21, 2023
Test Title: filling in Add Property's Basic Details	
Pre-conditions: user will input basic details for adding property	

Post-conditions: users can now fill in properly clearly						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Fill in Property Name	Just Property	Save the information	Same as expected	pass	[Avon 02/21/2023 7:30 AM]: Launch successful
2.	Fill in the Description of the Property	2 storey building	Save the information	Same as expected	pass	[Avon 02/21/2023 7:30 AM]: Launch successful
3.	Select Landlord	Halim, Patricia	Save the information	Same as expected	pass	[Avon 02/21/2023 7:30 AM]: Launch successful
4.	Fill in Number of Floors	1	Save the information	Same as expected	pass	[Avon 02/21/2023 7:30 AM]: Launch successful
5.	Click next	Clicking next	Proceed to location details	Same as expected	pass	[Avon 02/21/2023 7:30 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Properties_03	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Properties	Test Execution Date: Feb. 21, 2023
Test Title: filling in Add Property's Location	
Pre-conditions: user will input location details for adding property	
Post-conditions: users can now fill in properly clearly	

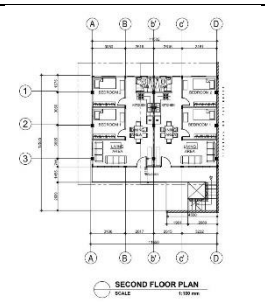
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Choose region	REGION IX ZAMBOANGA PENINSULA	Save the information	Same as expected	pass	[Avon 02/21/2023 7:30 AM]: Launch successful
2.	Choose Provinces	ZAMBOANGA DEL SUR	Save the information	Same as expected	pass	[Avon 02/21/2023 7:30 AM]: Launch successful
3.	Select City	ZAMBOANGA CITY	Save the information	Same as expected	pass	[Avon 02/21/2023 7:30 AM]: Launch successful
4.	Select Barangay	Mampang	Save the information	Same as expected	pass	[Avon 02/21/2023 7:30 AM]: Launch successful
5.	Type your Street	luciano	Save the information	Same as expected	pass	[Avon 02/21/2023 7:30 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Properties_04	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Properties	Test Execution Date: Feb. 21, 2023
Test Title: filling in Add Property's Features Details	
Pre-conditions: user will input Features details for adding property	
Post-conditions: users can now fill in Features details	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.		Duplex	Save the information	Same as expected	pass	[Avon

	Type the Description of the features					02/21/2023 7:30 AM]: Launch successful
2.	Select box if features are allowed	Car parking Allow smoking Motorcycle parking Allow pets	Save the information	Same as expected	pass	[Avon 02/21/2023 7:30 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Properties_05	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): Med	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Properties	Test Execution Date: Feb. 21, 2023
Test Title: filling in Add Property's Images Details	
Pre-conditions: user will input Images details for adding property	
Post-conditions: users can now fill in Images details	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Upload picture of the property		Save the information	Same as expected	pass	[Avon 02/21/2023 7:30 AM]: Launch successful
2.	Upload picture for floor plan		Save the information	Same as expected	pass	[Avon 02/21/2023 7:30 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Properties_06	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): Med	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Properties	Test Execution Date: Feb. 21, 2023
Test Title: Search Button Validation	
Pre-conditions: user will show details for properties	
Post-conditions: users can view entry details	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Type any number in search button	Test: 3	Shows results or existing tenant	Can't use for searching	fail	[Avon 02/21/2023 7:35 AM]:

						Launch successful
2.	Type existing contact number	Test: 097332048	Must show number 3	Same as expected	pass	[Avon 02/21/2023 7:35 AM]: Launch successful
3.	Type existing Property name	Test: Halim Rentals	Must show number 1	Same as expected	pass	[Avon 02/21/2023 7:35 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Properties_07	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): Med	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Properties	Test Execution Date: Feb. 21, 2023
Test Title: Show Button Validation	
Pre-conditions: user will select entries for properties	
Post-conditions: users can now entries of entries for properties	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Show no. of entries	10 entries	View only 10 properties	Same as expected	Pass	[Avon 02/21/2023 7:35 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Properties_07	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): Med	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Properties	Test Execution Date: Feb. 21, 2023
Test Title: previous and next button	
Pre-conditions: user will use the previous and next button for viewing properties	
Post-conditions: users can now view properties	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Click next	Click next once	Showing next properties	Same as expected	Pass	[Avon 02/21/2023 7:36 AM]: Launch successful
2.		Click previous once	Showing previous properties	Same as expected	Pass	[Avon 02/21/2023 7:36 AM]:

	Click previous					Launch successful

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Property_Units_01			Test Designed by: Ganilyn Avon B. Alcontin			
Requirement No: FO1			Test Designed Date: Feb. 08, 2023			
Test Priority (Low/Med/High): High			Test Executed by: Ganilyn Avon B. Alcontin			
Module Name: Property units			Test Execution Date: Feb. 21, 2023			
Test Title: to check if user can add property unit						
Pre-conditions: user will try to add property unit						
Post-conditions: users can now add property unit						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Click add property	Click add property	Showing add property fill up form	Same as expected	Pass	[Avon 02/21/2023 7:40 AM]: Launch successful
2.	Click back	Click back once	Goes back to property units	Same as expected	Pass	[Avon 02/21/2023 7:40 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Property_Units_02	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Property units	Test Execution Date: Feb. 21, 2023
Test Title: to check if user can fill in details for add property unit	
Pre-conditions: user will try to add property unit	
Post-conditions: users can now add property unit	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Select main property	Pink apartment	Reflect after being saved	Same as expected	Pass	[Avon 02/21/2023 7:45 AM]: Launch successful
2.	Type of unit	Duplex	Reflect after being saved	Same as expected	Pass	[Avon 02/21/2023 7:45 AM]: Launch successful
3.	Fill in monthly rent amount	2,500	Reflect after being saved	Same as expected	Pass	[Avon 02/21/2023 7:45 AM]: Launch successful
4.	Fill in One Month Deposit Amount	2,500	Reflect after being saved	Same as expected	Pass	[Avon 02/21/2023 7:45 AM]: Launch successful
5.	Fill in One Month Advance Amount	2,500	Reflect after being saved	Same as expected	Pass	[Avon 02/21/2023 7:45 AM]: Launch successful
6.	Input unit no.	1	Reflect after being saved	Same as expected	Pass	[Avon 02/21/2023 7:45 AM]: Launch successful
7.	Select floor no.	1	Reflect after being saved	Same as expected	Pass	[Avon 02/21/2023 7:45 AM]: Launch successful
8.	Select status	occupied	Reflect after being saved	Same as expected	Pass	[Avon 02/21/2023 7:45 AM]: Launch

						successful
9.	Select unit condition	Semi furnished	Reflect after being saved	Same as expected	Pass	[Avon 02/21/2023 7:45 AM]: Launch successful
10.	Check box for features	-motorcycle parking -laundry -allow pets	Reflect after being saved	Same as expected	Pass	[Avon 02/21/2023 7:45 AM]: Launch successful
11.	Click save unit	Click save unit once	The information will be reflected to property units	Same as expected	Pass	[Avon 02/21/2023 7:45 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Property_Units_03	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Property units	Test Execution Date: Feb. 21, 2023
Test Title: search button validation	
Pre-conditions: user will try to add property unit	
Post-conditions: users can now add property unit	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Type any number in search button	Test: 3	Shows results or existing tenant	Can't use for searching	fail	[Avon 02/21/2023 8:00 AM]: Launch Fail
2.	Type existing contact number	Test: 097332048	Must show number 3	Same as expected	pass	[Avon 02/21/2023 8:00 AM]: Launch successful
3.	Type existing Property name	Test: Halim Rentals	Must show number 1	Same as expected	pass	[Avon 02/21/2023 8:00 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Property_Units_04	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): medium	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Property units	Test Execution Date: Feb. 21, 2023
Test Title: show button validation	

Pre-conditions: user will select entries for property units						
Post-conditions: users can now entries of entries for property units						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Show no. of entries	10 entries	View only 10 property units	Same as expected	Pass	[Avon 02/21/2023 8:05 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Property_Units_04	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): medium	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Property units	Test Execution Date: Feb. 21, 2023
Test Title: previous and next button	
Pre-conditions: user will use the previous and next button for viewing property units	
Post-conditions: users can now view property units	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Click next	Click next once	Showing next property units	Same as expected	Pass	[Avon 02/21/2023 8:10 AM]: Launch successful
2.	Click previous	Click previous once	Showing previous property units	Same as expected	Pass	[Avon 02/21/2023 8:10 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Add_Lease_01	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Lease	Test Execution Date: Feb. 21, 2023
Test Title: to check if user can add lease	
Pre-conditions: user will try to add lease	
Post-conditions: users can now add lease	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Click add lease	Click add lease once	Showing add lease fill up form	Same as expected	Pass	[Avon 02/21/2023 8:15 AM]: Launch successful

						Launch successful
2.	Click back	Click back once	Goes back to leases	Same as expected	Pass	[Avon 02/21/2023 8:15 AM]: Launch successful Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Add_Lease_02	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Lease	Test Execution Date: Feb. 21, 2023
Test Title: to check if user can fill in details for add lease	
Pre-conditions: user will try to add property lease	
Post-conditions: users can now add property lease	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Select Property Name	Pink apartment	Reflect after being saved	Error	Fail	[Avon 02/21/2023 7:45 AM]: Launch successful
2.	Select Property Unit no.	T1	Reflect after being saved	Same as expected	Pass	[Avon 02/21/2023 7:45 AM]: Launch successful
3.	Fill in monthly rent amount	2,500	Reflect after being saved	Same as expected	Pass	[Avon 02/21/2023 7:45 AM]: Launch successful
4.	Fill in One Month Deposit Amount	2,500	Reflect after being saved	Same as expected	Pass	[Avon 02/21/2023 7:45 AM]: Launch successful
5.	Fill in One Month Advance Amount	2,500	Reflect after being saved	Same as expected	Pass	[Avon 02/21/2023 7:45 AM]: Launch successful
6.	Input start date	03/02/2023	Reflect after being saved	Same as expected	Pass	[Avon 02/21/2023 7:45 AM]: Launch successful
7.	Input end date	03/02/2025	Reflect after being saved	Same as expected	Pass	[Avon 02/21/2023 7:45 AM]: Launch

						successful
8.	Select status	occupied	Reflect after being saved	Same as expected	Pass	[Avon 02/21/2023 7:45 AM]: Launch successful
9.	Upload lease contract	Upload image	Reflect after being saved	Same as expected	Pass	[Avon 02/21/2023 7:45 AM]: Launch successful
10.	Input electricity billing	1,200	Reflect after being saved	Same as expected	Pass	[Avon 02/21/2023 7:45 AM]: Launch successful
11.	Input water billing	2,000	Reflect after being saved	Same as expected	Pass	[Avon 02/21/2023 7:45 AM]: Launch successful
12.	save lease	Click save lease	The information will be reflected to property units	Same as expected	Pass	[Avon 02/21/2023 7:45 AM]: Launch successful
13.	Back button	Click back once	Will go back to leases	Same as expected	Pass	[Avon 02/21/2023 7:46 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Add_Lease_03	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): Medium	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Lease	Test Execution Date: Feb. 21, 2023
Test Title: Search Button Validation	
Pre-conditions: user will show details for properties	
Post-conditions: users can view entry details	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Type any number in search button	Test: 3	Shows results or existing tenant	Can't use for searching	fail	[Avon 02/21/2023 8:00 AM]: Launch Fail
2.	Type Unit No.	S1	Must show number 1	Same as expected	pass	[Avon 02/21/2023 8:10 AM]: Launch successful
3.	Choose Type of apartment	Duplex	Must show number 2	Same as expected	pass	[Avon 02/21/2023 8:12 AM]: Launch successful
4.	Type in search button the amount of rent	5000.00	Must show number 2	Same as expected	pass	[Avon 02/21/2023 8:13 AM]: Launch successful
5.	Type tenant name	Manoban,Lisa	Must show number 3	Same as expected	pass	[Avon 02/21/2023 8:13 AM]: Launch successful
6.	Type year	2023	Must show number contract that belongs to year 2023	Same as expected	pass	[Avon 02/21/2023 8:15 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Add_Lease_04	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): Medium	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Lease	Test Execution Date: Feb. 21, 2023
Test Title: Show Button Validation	
Pre-conditions: user will select entries for leases	
Post-conditions: users can now entries of entries for leases	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Show no. of entries	10 entries	View only 10 leases	Same as expected	Pass	[Avon 02/21/2023 8:18 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Add_Lease_05	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): Medium	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Lease	Test Execution Date: Feb. 21, 2023
Test Title: previous and next button	
Pre-conditions: user will use the previous and next button for viewing leases	
Post-conditions: users can now view leases	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Click next	Click next once	Showing next leases	Same as expected	Pass	[Avon 02/21/2023 8:20 AM]: Launch successful
2.	Click previous	Click previous once	Showing previous leases	Same as expected	Pass	[Avon 02/21/2023 8:21 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Reports_01	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Reports	Test Execution Date: Feb. 21, 2023
Test Title: view paid invoices	
Pre-conditions: user will check the paid invoices	
Post-conditions: users can now view reports for paid invoices	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Search for paid entries	Search in date	Show records	No records were recorded	fail	[Avon 02/21/2023 8:25 AM]: Launch fail

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Reports_02	Test Designed by: Ganilyn Avon B. Alcontin

Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Reports	Test Execution Date: Feb. 21, 2023
Test Title: Show Button Validation	
Pre-conditions: user will select entries for paid invoices	
Post-conditions: users can now entries of entries for paid invoices	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Show no. of entries	10 entries	View only 10 paid invoices	No records were recorded	fail	[Avon 02/21/2023 8:25 AM]: Launch fail

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Reports_03	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Reports	Test Execution Date: Feb. 21, 2023
Test Title: previous and next button	
Pre-conditions: user will use the previous and next button for paid invoices	
Post-conditions: users can now view l paid invoices	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Click next	Click next once	Showing next paid invoices	No records were recorded	fail	[Avon 02/21/2023 8:25 AM]: Launch fail
2.	Click previous	Click previous once	Showing previous paid invoices	No records were recorded	fail	[Avon 02/21/2023 8:25 AM]: Launch fail

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Reports_04	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Reports	Test Execution Date: Feb. 21, 2023
Test Title: check unpaid invoices	
Pre-conditions: user will view the unpaid invoices	
Post-conditions: users can't view unpaid invoices	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Open unpaid invoices	Click unpaid invoices	View data of unpaid invoices	No content had been displayed	fail	[Avon 02/21/2023 8:25 AM]: Launch fail

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Tickets_01				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): High				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: Tickets				Test Execution Date: Feb. 21, 2023		
Test Title: check tickets from landlord and tenants						
Pre-conditions: user will view ticket						
Post-conditions: users can't view ticket yet						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Open tickets	Click tickets	View sent tickets	No tickets were created yet	fail	[Avon 02/21/2023 8:30 AM]: Launch succesful

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Tickets_02				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): Med				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: Tickets				Test Execution Date: Feb. 21, 2023		
Test Title: try to raise ticket						
Pre-conditions: user will raise ticket						
Post-conditions: users can't raise ticket yet						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Raise ticket	Click Raise ticket	View Raise ticket	Can't load	Fail	[Avon 02/21/2023 8:31 AM]: Launch Fail

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Calendar_01				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): Med				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: calendar				Test Execution Date: Feb. 21, 2023		
Test Title: to check if calendar can view recent date and events.						
Pre-conditions: user will view calendar						
Post-conditions: users can view calendar						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Click today button	Click today once	Shown the recent date	Same as expected	Pass	[Avon 02/21/2023 8:32 AM]:

						Launch Successful
2.	View calendar for dues or events	Browse calendar for events	Reminder for dues or events	Doesn't have any events	fail	Avon 02/21/2023 8:35 AM]: Launch Fail

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Manage_Users_01	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Manage Users	Test Execution Date: March 3, 2023
Test Title: check if user can add new user	
Pre-conditions: user will add new user	
Post-conditions: user can input in add new user now	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Click add new user	Click add new user once	Shown the add new user form	Same as expected	Pass	[Avon 03/03/2023 8:00 AM]: Launch Successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Manage_Users_02	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Manage Users	Test Execution Date: March 3, 2023
Test Title: check if user can input add new user	
Pre-conditions: user will add new user	
Post-conditions: user can input in add new user now	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Input username	admin@gmail.com	Reflect after saved	Same as expected	Pass	[Avon 03/03/2023 8:05 AM]: Launch Successful
2.	Enter email	ganilynavonalcontin @gmail.com	Reflect after saved	Same as expected	Pass	[Avon 03/03/2023 8:05 AM]: Launch Successful
3.	Put password	Pass: *****	Save after created	Same as expected	Pass	[Avon 03/03/2023 8:05 AM]:

						Launch Successful
4.	Select role	landlord	Reflect after saved	Same as expected	Pass	[Avon 03/03/2023 8:05 AM]: Launch Successful
5.	Create user	Click create user	The filled up form will be save	Same as expected	Pass	[Avon 03/03/2023 8:05 AM]: Launch Successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Manage_Users_03	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Manage Users	Test Execution Date: March 3, 2023
Test Title: Search Button Validation	
Pre-conditions: user will show details for Manage Users	
Post-conditions: users can view details for Manage Users	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Type the name in search button	Landlord	Shows results or existing tenant	Same as expected	Pass	[[Avon 03/03/2023 8:08 AM]: Launch Successful
2.	Type the username in search button	landlord@gmail.com	Must show Landlord	Same as expected	pass	[[Avon 03/03/2023 8:10 AM]: Launch Successful
3.	Type the role in search button	landlord	M Must show Landlord	Same as expected	pass	[[Avon 03/03/2023 8:11 AM]: Launch Successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Manage_Users_04	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Manage Users	Test Execution Date: March 3, 2023
Test Title: check if the action button is working	
Pre-conditions: user will check an action for manage users	

Post-conditions: user can make an action for manage users						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Delete one user	Delete tenant	Tenant will be deleted	Same as expected	Pass	[[Avon 03/03/2023 8:15 AM]: Launch Successful

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Manage_Users_05			Test Designed by: Ganilyn Avon B. Alcontin			
Requirement No: FO1			Test Designed Date: Feb. 08, 2023			
Test Priority (Low/Med/High): Med			Test Executed by: Ganilyn Avon B. Alcontin			
Module Name: Manage Users			Test Execution Date: March 3, 2023			
Test Title: Show Button Validation						
Pre-conditions: user will select entries for Manage Users						
Post-conditions: users can now entries of entries for Manage Users						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Show no. of entries	10 entries	View only 10 manage users	Same as expected	pass	[Avon 03/03/2023 8:15 AM]: Launch Successful

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Manage_Users_06			Test Designed by: Ganilyn Avon B. Alcontin			
Requirement No: FO1			Test Designed Date: Feb. 08, 2023			
Test Priority (Low/Med/High): Med			Test Executed by: Ganilyn Avon B. Alcontin			
Module Name: Manage Users			Test Execution Date: March 3, 2023			
Test Title: previous and next button						
Pre-conditions: user will use the previous and next button for Manage Users						
Post-conditions: users can now view Manage Users						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Click next	Click next once	Showing next Manage Users	Same as expected	pass	[Avon 03/03/2023 8:20 AM]: Launch Successful
2.	Click previous	Click previous once	Showing previous Manage Users	Same as expected	pass	[Avon 03/03/2023 8:20 AM]: Launch Successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Settings_01	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Settings	Test Execution Date: March 5, 2023
Test Title: View settings and check if the user can adjust the modules	
Pre-conditions: user will adjust the modules in settings	
Post-conditions: users can now view the settings but can't adjust modules yet	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	View Settings	Click settings once	Showing settings features	Same as expected	pass	[Avon 03/05/2023 10:30 AM]: Launch Successful
2.	Check if features can use now	Click each feature in settings	Must view each feature	Can't load the features	Fail	[Avon 03/05/2023 10:30 AM]: Launch fail

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Terms_and_Conditions_01	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Terms and Conditions	Test Execution Date: March 5, 2023
Test Title: Read terms and conditions and agree to it	
Pre-conditions: user will read and agree in terms and conditions	
Post-conditions: users can now view the settings but can't adjust modules yet	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	View and read terms and conditions	Click terms and conditions once	Showing settings features	Same as expected	pass	[Avon 03/05/2023 10:35 AM]: Launch Successful
2.	Agree to terms and conditions and click submit	Click agree to terms and conditions then click submit	There should be a confirmation that you agree to terms and conditions	Can't load the features	Fail	[Avon 03/05/2023 10:37 AM]: Launch fail

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Tenants_02	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Tenants	Test Execution Date: April 11, 2023

Test Title: checking validations in tenants						
Pre-conditions: user check if the forms have minimums and maximums						
Post-conditions: users can fill in tenant details						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Fill in "First Name" as many letters and spaces	olivia charlotte emma amelia ava	Must have limitations (maximum)	"Please provide a valid first name (letters, spaces, and dashes only)."	Pass	[Avon 04/11/2023 1:00 PM]: Launch successful
2.	Fill in "Middle Name" as many letters and spaces	emma amelia ava	Must have limitations (maximum)	"Please provide a valid first name (letters, spaces, and dashes only)."	Pass	[Avon 04/11/2023 1:03 PM]: Launch successful
3.	Fill in "Last Name" as many letters and spaces	emma amelia ava emma amelia ava	Must have limitations (maximum of two words)	"Please provide a valid last name (letters, spaces, and dashes only)."	Pass	[Avon 04/11/2023 1:05 PM]: Launch successful
4.	Fill in "Contact no."	Test: 090670660400	Must be limit to 11 digits	Only accepts 10 digits due to (+63)	Pass	[Avon 04/11/2023 1:06 PM]: Launch successful
5.	Fill in "No. of Pets"	Test: 500	Must be 1 digit only	Accepts more than 3 digits	fail	[Avon 04/11/2023 1:08 PM]: Launch successful
6.	Fill in Emergency Contact Person's "Full Name"	Test: ava emma emma emma emma emma	Must have minimum in filling full name	Infinite filling in	fail	[Avon 04/11/2023 1:10 PM]: Launch successful
7.	Fill in Emergency Contact Person's "Contact No."	Test: 09067066070123343445	Must be 11 digits only	Only accepts 10 digits due to (+63)	Pass	[Avon 04/11/2023 1:10 PM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Tenants_03	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023

Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Tenants	Test Execution Date: April 11, 2023
Test Title: checking validations in tenants	
Pre-conditions: user check if the forms accepts either numbers or letters	
Post-conditions: users can fill in tenant details	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Fill in "First Name" with numbers	Test: 123234343546576	"Details must be in letters"	"Please provide a valid first name (letters, spaces, and dashes only)."	Pass	[Avon 04/11/2023 1:111 PM]: Launch successful
2.	Fill in "Middle Name" with numbers	Test: 1234567890	"Details must be in letters"	"Please provide a valid last name (letters, spaces, and dashes only)."	Pass	[Avon 04/11/2023 1:11 PM]: Launch successful
3.	Fill in "Last Name" with numbers	Test: 123456789	"Details must be in letters"	"Please provide a valid last name (letters, spaces, and dashes only)."	Pass	[Avon 04/11/2023 1:13 PM]: Launch successful
4.	Fill in "Contact No." with letters	Test: qwertyuiopppp	"Details must be in number"	Doesn't accept letters	Pass	[Avon 04/11/2023 1:14 PM]: Launch successful
5.	Fill in "No. of pets" with letters	Test: e	"Details must be in number"	Doesn't accept	Pass	[Avon 04/11/2023 1:14 PM]: Launch successful
6.	Fill in "pet type" with numbers	Test: 1234567	"Details must be in letters"	Doesn't accept numbers	Pass	[Avon 04/11/2023 1:16 PM]: Launch successful
7.	Fill in other occupants' "Full Name" with numbers	Test: 12345678	"Details must be in letters"	"Please provide a valid full name (letters, spaces, and dashes only)."	Pass	[Avon 04/11/2023 1:16 PM]: Launch successful
8.	Fill in other	Test: 2345678	"Details must be in letters"	"Please provide a	Pass	[Avon

	occupants' "Full Name" with numbers			valid full name (letters, spaces, and dashes only)."		04/11/2023 1:16 PM]: Launch successful
9.	Fill in Emergency Contact Person's "Full Name" with numbers	Test: 1234567	"Details must be in letters"	"Please provide a valid name (letters, spaces, and dashes only)."	Pass	[Avon 04/11/2023 1:17 PM]: Launch successful
10.	Fill in Emergency Contact Person's "Contact No." with letters	Test: asdfgjkl	"Details must be in numbers"	Only accepts 10 digits due to (+63) and doesn't accept letters	Pass	[Avon 04/11/2023 1:17 PM]: Launch successful

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Tenants_10				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): med				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: Tenants				Test Execution Date: April 11, 2023		
Test Title: Search bar						
Pre-conditions: user can search button						
Post-conditions: users can now use search button						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Type any number in search button	Test: 3	Shows results or existing tenant	Can't use for searching	Fail	[Avon 04/11/2023 1:19 PM]: Launch successful

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Tenants_11				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): High				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: Tenants				Test Execution Date: April 11, 2023		
Test Title: Action for tenants' data						
Pre-conditions: user can view, edit, and delete						
Post-conditions: users can now use the action						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	click view button	Test: #1	Number 1 will be view	Can view now tenant's profile	Pass	[Avon 04/11/2023 1:21 PM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_ Landlords _02	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Landlords	Test Execution Date: April 11, 2023
Test Title: Add Landlords' validation	
Pre-conditions: user check if the forms have minimums and maximums	
Post-conditions: users can fill in Landlords details	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Fill in "First Name" as many letters and spaces	kasandra kendra emma maria yolanda	Must have limitations (maximum)	"Please provide a valid first name (letters, spaces, and dashes only)."	Pass	[Avon 04/11/2023 1:25 PM]: Launch successful
2.	Fill in "Middle Name" as many letters and spaces	pilarin bores magcanta villa	Must have limitations (maximum)	"Please provide a valid middle name (letters, spaces, and dashes only)."	Pass	[Avon 04/11/2023 1:25 PM]: Launch successful
3.	Fill in "Last Name" as many letters and spaces	pilarin bores magcanta villa	Must have limitations (maximum of two words)	"Please provide a valid last name (letters, spaces, and dashes only)."	Pass	[Avon 04/11/2023 1:26 PM]: Launch successful
4.	Fill in "Contact no."	09873456721	Must be limit to 11 digits	Accepts 11 digits only	Pass	[Avon 04/11/2023 1:26 PM]: Launch successful
5.	Fill in Emergency Contact Person's "Full Name"	sandra villa filamon fidel	Must have minimum in filling full name	Infinite filling in	Fail	[Avon 04/11/2023 1:26 PM]: Launch successful
6.	Fill in Emergency Contact Person's "Contact No."	097845621314356678	Must be 11 digits only	Accepts 11 digits only	Pass	[Avon 04/11/2023 1:27 PM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_ Landlords _11	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023

Test Priority (Low/Med/High): med	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Landlords	Test Execution Date: April 11, 2023
Test Title: Search bar	
Pre-conditions: user can search button	
Post-conditions: users can now use search button	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Type any number in search button	3	Shows results or existing landlord	Shows landlord number 3	Pass	[Avon 04/11/2023 1:27 PM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_ Landlords _12	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): med	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Landlords	Test Execution Date: April 11, 2023
Test Title: Landlords	
Pre-conditions: user can view, edit, and delete	
Post-conditions: users can now use the action	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
3.	click view button	Test: #1	Number 1 will be view	Can view now tenant's profile	Pass	[Avon 04/11/2023 1:30 PM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Properties_06	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): Med	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Buildings	Test Execution Date: April 11, 2023
Test Title: Search Button Validation	
Pre-conditions: user will show details for properties	
Post-conditions: users can view entry details	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Type any number in search button	Test: 3	Shows results or existing building	Shows "test" building	Pass	[Avon 04/11/2023 1:31 PM]: Launch successful

Project Name: **Apartment Rental Management System**

Test Case ID: TC_Property_Units_03	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Property units	Test Execution Date: April 11, 2023

Test Title: search button validation

Pre-conditions: user will try to add property unit

Post-conditions: users can now add property unit

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Type any number in search button	Test: 3	Shows results or existing tenant	Can use for searching	Pass	[Avon 04/11/2023 1:35 PM]: Launch successful

Project Name: **Apartment Rental Management System**

Test Case ID: TC_Add_Lease_03	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): Medium	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Lease	Test Execution Date: April 11, 2023

Test Title: Search Button Validation

Pre-conditions: user will show details for properties

Post-conditions: users can view entry details

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Type any number in search button	Test: 3	Shows results or existing tenant	Can't use for searching	Fail	[Avon 04/11/2023 1:37 PM]: Launch Fail

Project Name: **Apartment Rental Management System**

Test Case ID: TC_Reports_01	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Reports	Test Execution Date: April 11, 2023

Test Title: view paid invoices

Pre-conditions: user will check the paid invoices

Post-conditions: users can now view reports for paid invoices

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Search for paid entries	Search in date	Show records	No records were found	Fail	[Avon 04/11/2023 1:40 PM]:

						Launch successful

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Reports_02				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): High				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: Reports				Test Execution Date: April 11, 2023		
Test Title: Show Button Validation						
Pre-conditions: user will select entries for paid invoices						
Post-conditions: users can now entries of entries for paid invoices						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Show no. of entries	10 entries	View only 10 paid invoices	No records were found	Fail	[Avon 04/11/2023 1:40 PM]: Launch successful

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Reports_03				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): High				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: Reports				Test Execution Date: April 11, 2023		
Test Title: previous and next button						
Pre-conditions: user will use the previous and next button for paid invoices						
Post-conditions: users can now view l paid invoices						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Click next	Click next once	Showing next paid invoices	No records were found	Fail	[Avon 04/11/2023 1:40 PM]: Launch Fail
2.	Click previous	Click previous once	Showing previous paid invoices	No records were found	Fail	[Avon 04/11/2023 1:40 PM]: Launch Fail

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Reports_04	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Reports	Test Execution Date: April 11, 2023
Test Title: check unpaid invoices	
Pre-conditions: user will view the unpaid invoices	
Post-conditions: users can't view unpaid invoices	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Open unpaid invoices	Click unpaid invoices	View data of unpaid invoices	No content had been displayed	Fail	[Avon 04/11/2023 1:40 PM]: Launch Fail

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Tickets_01	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Tickets	Test Execution Date: April 11, 2023
Test Title: check tickets from landlord and tenants	
Pre-conditions: user will view ticket	
Post-conditions: users can't view ticket yet	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Open tickets	Click tickets	View sent tickets	No tickets were created yet	Pass	[Avon 04/11/2023 1:40 PM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Tickets_02	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): Med	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Tickets	Test Execution Date: April 11, 2023
Test Title: try to raise ticket	
Pre-conditions: user will raise ticket	
Post-conditions: users can't raise ticket yet	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Raise ticket	Click Raise ticket	View Raise ticket	Can't load	Fail	[Avon 04/11/2023 1:45 PM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Calendar_01	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): Med	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: calendar	Test Execution Date: April 11, 2023
Test Title: to check if calendar can view recent date and events.	

Pre-conditions: user will view calendar						
Post-conditions: users can view calendar						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Click today button	Click today once	Shown the recent date	Same as expected	Pass	[Avon 04/11/2023 1:46 PM]: Launch successful
2.	View calendar for dues or events	Browse calendar for events	Reminder for dues or events	Doesn't have any events	Fail	[Avon 04/11/2023 1:48 PM]: Launch Fail

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Manage_Users_01				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): High				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: Manage Users				Test Execution Date: April 11, 2023		
Test Title: check if user can add new user						
Pre-conditions: user will add new user						
Post-conditions: user can input in add new user now						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Click add new user	Click add new user once	Shown the add new user form	Same as expected	Pass	[Avon 04/11/2023 1:50 PM]: Launch successful

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Settings_01				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): High				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: Settings				Test Execution Date: April 11, 2023		
Test Title: View settings and check if the user can adjust the modules						
Pre-conditions: user will adjust the modules in settings						
Post-conditions: users can now view the settings but can't adjust modules yet						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Check if features can use now	Click each feature in settings	Must view each feature	Can load features	Pass	[Avon 04/11/2023 1:55 PM]: Launch successful

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Terms_and_Conditions_01				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): High				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: Terms and Conditions				Test Execution Date: April 11, 2023		
Test Title: Read terms and conditions and agree to it						
Pre-conditions: user will read and agree in terms and conditions						
Post-conditions: users can now view the agree in terms and conditions						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Agree to terms and conditions and click submit	Click agree to terms and conditions then click submit	There should be a confirmation that you agree to terms and conditions	Can't load the features	Fail	[Avon 04/11/2023 2:05 PM]: Launch Fail

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Invoices_01				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): Medium				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: Invoices				Test Execution Date: April 20, 2023		
Test Title: to view invoices						
Pre-conditions: user will view invoices						
Post-conditions: users can view invoices but no records found						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Click invoices to view	Click invoices	Shows results for invoices	No records found.	Fail	[Avon 04/11/2023 2:10 PM]: Launch fail

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Generate_Invoice_01				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): Medium				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: Generate invoice				Test Execution Date: April 20, 2023		
Test Title: to generate invoice						
Pre-conditions: user will generate invoice						
Post-conditions: users can generate invoice						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Fill out all invoice details and click save button to	Fill out details	Must save after clicking save button	No records found.	Fail	[Avon 04/11/2023 2:13 PM]:

	generate invoice					Launch fail

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Reports_01				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): High				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: Reports				Test Execution Date: April 20, 2023		
Test Title: check unpaid invoices						
Pre-conditions: user will view the unpaid invoices						
Post-conditions: users can't view unpaid invoices						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Open unpaid invoices	Click unpaid invoices	View data of unpaid invoices	No records found.	Fail	[Avon 04/11/2023 2:15 PM]: Launch fail

USER: TENANT

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_LogIn_01				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): High				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: User Accounts				Test Execution Date: April 13, 2023		
Test Title: Verify the login page with a valid username and password.						
Pre-conditions: A valid user account						
Post-conditions: Users may now access other modules that require authentication						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Launch application	https://sofiyyahrental.online	Log in	Same as expected	pass	[Avon 04/13/2023 12:05 AM]: Launch successful
2.	Enter correct Email & Password and hit login	Email: kimmy@gmail.com Password: *****	Login success	Same as expected	pass	[Avon 04/13/2023 12:05 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Dashboard_01	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): Med	Test Executed by: Ganilyn Avon B. Alcontin

Module Name: bell icon	Test Execution Date: April 13, 2023
Test Title: Check if users can check notifications	
Pre-conditions: users can check notifications	
Post-conditions: users may now check notifications	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	hit the bell button to check notifications	Click the icon	Shows notifications	It shows notifications like “application error” “settings” “new user registration”	Pass	[Avon 04/13/2023 12:05 AM]: Launch successful
2.	Hit each notification to view	Click “application error” notification	Should open the message/notification	Didn’t open	Fail	[Avon 04/13/2023 12:05 AM]: Launch Fail
3.	Read/view all the notification to remove, the dot icon in bell button icon	View the notification	The icon will not be display anymore after viewing all	Still on the display	Fail	[Avon 04/13/2023 12:05 AM]: Launch Fail

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Dashboard_02	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: user accounts	Test Execution Date: April 13, 2023
Test Title: profile, settings, and log out button	
Pre-conditions users can click profile, settings and log out	
Post-conditions: users can’t click profile, settings and log out	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	hit the profile button	To view profile	View profile	Didn’t load	Fail	[Avon 04/13/2023 12:08 AM]: Launch Fail
2.	hit the settings button	To view settings	View settings	Didn’t load	Fail	[Avon 04/13/2023 12:08 AM]: Launch Fail
3.	hit the log out button	Exit/log out	Leave and go back to log in	Log in again	Pass	[Avon 04/13/2023 12:08 AM]: Launch Fail

Project Name: **Apartment Rental Management System**

Test Case ID: TC_My_Tickets_01	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Tickets	Test Execution Date: April 13, 2023
Test Title: checks tickets	
Pre-conditions: user will view ticket	
Post-conditions: users can't view ticket yet	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Open tickets	Click tickets	View sent tickets	Can't create yet	Fail	[Avon 04/13/2023 12:15 AM]: Launch Fail

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_My_Lease_01	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Lease	Test Execution Date: April 13, 2023
Test Title: checks tenant's lease	
Pre-conditions: user will view his lease	
Post-conditions: users can view lease now	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Open my lease	Click my lease	Data of tenant's lease	No data available in table	Fail	[Avon 04/13/2023 12:18 AM]: Launch Fail

USER: LANDLORD

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Login_01	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: User Accounts	Test Execution Date: April 20, 2023
Test Title: Verify the login page with a valid username and password.	
Pre-conditions: A valid user account	
Post-conditions: Users may now access other modules that require authentication	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Launch application	https://sofiyyahrental.online	Log in	Same as expected	Pass	[Avon 04/20/2023 8:10 AM]: Launch successful
2.	Enter correct Email & Password and hit login	Email: landlord@gmail.com Password: ********	Login success	Same as expected	Pass	[Avon 04/20/2023 8:12 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Login_02	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: User Accounts	Test Execution Date: April 20, 2023
Test Title: check if users can use the remember me button	
Pre-conditions: restore the email and password	
Post-conditions: users can automatically click their saved email and password	

No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	“Remember me”	Email: landlord@gmail.com Password: ********	Remembers the email and password	Automatically suggest account to fill in	Pass	[Avon 04/20/2023 8:15 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Buildings_01	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Buildings	Test Execution Date: April 20, 2023
Test Title: check if users can view and search buildiings/properties	

Pre-conditions: users can view and search buildings						
Post-conditions: users can now view and search buildings						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Click Buildings to view	Click building module	Shows registered properties	Same as expected	Pass	[Avon 04/20/2023 8:20 AM]: Launch succesful
2.	Type any number in search button	Test: 3	Shows results or existing tenant	Can use for searching	Pass	[Avon 04/20/2023 8:21 AM]: Launch succesful

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Property_Units_01				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): High				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: Property units				Test Execution Date: April 20, 2023		
Test Title: to check if user can add property unit						
Pre-conditions: user will try to add property unit						
Post-conditions: users can now add property unit						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Click add property	Click add property	Showing add property fill up form	Same as expected	Pass	[Avon 04/20/2023 8:23 AM]: Launch successful
2.	Click back	Click back once	Goes back to property units	Same as expected	Pass	[Avon 04/20/2023 8:23 AM]: Launch successful

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Property_Units_02				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): High				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: Property units				Test Execution Date: April 20, 2023		
Test Title: to check if user can fill in details for add property unit						
Pre-conditions: user will try to add property unit						
Post-conditions: users can now add property unit						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments

1.	Select main property	Pink apartment	Reflect after being saved	Same as expected	Pass	[Avon 04/20/2023 8:30 AM]: Launch successful
2.	Type of unit	Duplex	Reflect after being saved	Same as expected	Pass	[Avon 04/20/2023 8:30 AM]: Launch successful
3.	Fill in monthly rent amount	2,500	Reflect after being saved	Same as expected	Pass	[Avon 04/20/2023 8:30 AM]: Launch successful
4.	Fill in One Month Deposit Amount	2,500	Reflect after being saved	Same as expected	Pass	[Avon 04/20/2023 8:30 AM]: Launch successful
5.	Fill in One Month Advance Amount	2,500	Reflect after being saved	Same as expected	Pass	[Avon 04/20/2023 8:30 AM]: Launch successful
6.	Input unit no.	1	Reflect after being saved	Same as expected	Pass	[Avon 04/20/2023 8:30 AM]: Launch successful
7.	Select floor no.	1	Reflect after being saved	Same as expected	Pass	[Avon 04/20/2023 8:30 AM]: Launch successful
8.	Select status	occupied	Reflect after being saved	Same as expected	Pass	[Avon 04/20/2023 8:30 AM]: Launch successful
9.	Select unit condition	Semi furnished	Reflect after being saved	Same as expected	Pass	[Avon 04/20/2023 8:30 AM]: Launch successful
10.	Check box for features	-motorcycle parking -laundry -allow pets	Reflect after being saved	Same as expected	Pass	[Avon 04/20/2023 8:30 AM]: Launch successful
11.	Click save unit	Click save unit once	The information will	Same as	Pass	[Avon

			be reflected to property units	expected		04/20/2023 8:30 AM]: Launch successful

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Property_Units_03				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): High				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: Property units				Test Execution Date: April 20, 2023		
Test Title: search button validation						
Pre-conditions: user will try to add property unit						
Post-conditions: users can now add property unit						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Type any number in search button	Test: 3	Shows results or existing tenant	Can use for searching	Pass	[Avon 04/20/2023 8:35 AM]: Launch successful
3.	Type existing Property name	Test: Test	Must show number 3	Same as expected	Pass	[Avon 04/20/2023 8:36 AM]: Launch successful

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Property_Units_04				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): medium				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: Property units				Test Execution Date: April 20, 2023		
Test Title: show button validation and previous and next button						
Pre-conditions: user will select entries for property units						
Post-conditions: users can now entries of entries for property units						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Show no. of entries	10 entries	View only 10 property units	Same as expected	Pass	[Avon 04/20/2023 8:40 AM]: Launch successful
2.	Click next	Click next once	Showing next property units	Same as expected	Pass	[Avon 04/20/2023 8:40 AM]: Launch successful

3.	Click previous	Click previous once	Showing previous property units	Same as expected	Pass	[Avon 04/20/2023 8:40 AM]: Launch successful

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Add_Lease_01				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): High				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: Lease				Test Execution Date: April 20, 2023		
Test Title: to check if user can add lease						
Pre-conditions: user will try to add lease						
Post-conditions: users can now add lease						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Click add lease	Click add lease once	Showing add lease fill up form	Same as expected	Pass	[Avon 04/20/2023 8:45 AM]: Launch successful
2.	Click back	Click back once	Goes back to leases	Same as expected	Pass	[Avon 04/20/2023 8:45 AM]: Launch successful

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Add_Lease_02				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): High				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: Lease				Test Execution Date: April 20, 2023		
Test Title: to check if user can fill in details for add lease						
Pre-conditions: user will try to add property lease						
Post-conditions: users can now add property lease						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Select Property Name	Pink apartment	Reflect after being saved	Error	Fail	[Avon 04/20/2023 9:00 AM]: Launch successful
2.	Select Property Unit no.	T1	Reflect after being saved	Same as expected	Pass	[Avon 04/20/2023 9:00 AM]: Launch successful

3.	Fill in monthly rent amount	2,500	Reflect after being saved	Same as expected	Pass	[Avon 04/20/2023 9:00 AM]: Launch successful
4.	Fill in One Month Deposit Amount	2,500	Reflect after being saved	Same as expected	Pass	[Avon 04/20/2023 9:00 AM]: Launch successful
5.	Fill in One Month Advance Amount	2,500	Reflect after being saved	Same as expected	Pass	[Avon 04/20/2023 9:00 AM]: Launch successful
6.	Input start date	03/02/2023	Reflect after being saved	Same as expected	Pass	[Avon 04/20/2023 9:00 AM]: Launch successful
7.	Input end date	03/02/2025	Reflect after being saved	Same as expected	Pass	[Avon 04/20/2023 9:00 AM]: Launch successful
8.	Select status	occupied	Reflect after being saved	Same as expected	Pass	[Avon 04/20/2023 9:00 AM]: Launch successful
9.	Upload lease contract	Upload image	Reflect after being saved	Same as expected	Pass	[Avon 04/20/2023 9:00 AM]: Launch successful
10.	Input electricity billing	1,200	Reflect after being saved	Same as expected	Pass	[Avon 04/20/2023 9:00 AM]: Launch successful
11.	Input water billing	2,000	Reflect after being saved	Same as expected	Pass	[Avon 04/20/2023 9:00 AM]: Launch successful
12.	save lease	Click save lease	The information will be reflected to property units	Same as expected	Pass	[Avon 04/20/2023 9:00 AM]: Launch successful
13.	Back button	Click back once	Will go back to leases	Same as expected	Pass	[Avon 04/20/2023 9:00 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Add_Lease_03	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): Medium	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Lease	Test Execution Date: April 20, 2023

Test Title: Search Button Validation						
Pre-conditions: user will show details for properties						
Post-conditions: users can view entry details						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Type any number in search button	Test: 1	Shows results or existing tenant	Can use for searching	Pass	[Avon 04/20/2023 9:05 AM]: Launch successful
2.	Type Unit	A-101	Must show number 1	Same as expected	Pass	[Avon 04/20/2023 9:07 AM]: Launch successful
3.	Choose Type of apartment	Duplex	Must show number 1	Same as expected	Pass	[Avon 04/20/2023 9:08 AM]: Launch successful
4.	Type in search button the amount of rent	5000.00	Must show number 1	Same as expected	Pass	[Avon 04/20/2023 9:09 AM]: Launch successful
5.	Type tenant name Type tenant name	Lian,Xie	Must show number 1	Same as expected	Pass	[Avon 04/20/2023 9:09 AM]: Launch successful
6.	Type year	2023	Must show number contract that belongs to year 2023	Same as expected	Pass	[Avon 04/20/2023 9:10 AM]: Launch successful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Invoices_01	Test Designed by: Ganilyn Avon B. Alcontin
Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): Medium	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Invoices	Test Execution Date: April 20, 2023

Test Title: to view invoices						
Pre-conditions: user will view invoices						
Post-conditions: users can view invoices but no records found						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Click invoices to	Click invoices	Shows results for	No records	Fail	[Avon

	view		invoices	found.		04/20/2023 10:00 AM]: Launch fail

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Generate_Invoice_01				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): Medium				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: Generate invoice				Test Execution Date: April 20, 2023		
Test Title: to generate invoice						
Pre-conditions: user will generate invoice						
Post-conditions: users can generate invoice						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Fill out all invoice details and click save button to generate invoice	Fill out details	Must save after clicking save button	No records found.	Fail	[Avon 04/20/2023 10:10 AM]: Launch fail

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Reports_01				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): High				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: Reports				Test Execution Date: April 20, 2023		
Test Title: check unpaid invoices						
Pre-conditions: user will view the unpaid invoices						
Post-conditions: users can't view unpaid invoices						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Open unpaid invoices	Click unpaid invoices	View data of unpaid invoices	No records found.	Fail	[Avon 04/20/2023 10:10 AM]: Launch fail

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Tickets_01				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): High				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: Tickets				Test Execution Date: April 20, 2023		
Test Title: check tickets from landlord and tenants						
Pre-conditions: user will view ticket						
Post-conditions: users can view ticket now but no data available						
No.	Steps	Test Data	Expected Result	Actual Result	Status	Comments

					(Pass/Fail)	
1.	Open tickets	Click tickets	View sent tickets	No tickets were created yet	Fail	[Avon 04/20/2023 10:15 AM]: Launch succesful

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Calendar_01				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): Med				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: calendar				Test Execution Date April 20, 2023		
Test Title: to check if calendar can view recent date and events.						
Pre-conditions: user will view calendar						
Post-conditions: users can view calendar						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Click today button	Click today once	Shown the recent date	Same as expected	Pass	[Avon 04/20/2023 10:20 AM]: Launch succesful
2.	View calendar for dues or events	Browse calendar for events	Reminder for dues or events	Doesn't have any events	Fail	[Avon 04/20/2023 10:21 AM]: Launch Fail

Project Name: **Apartment Rental Management System**						
Test Case ID: TC_Settings_01				Test Designed by: Ganilyn Avon B. Alcontin		
Requirement No: FO1				Test Designed Date: Feb. 08, 2023		
Test Priority (Low/Med/High): High				Test Executed by: Ganilyn Avon B. Alcontin		
Module Name: Settings				Test Execution Date: April 20, 2023		
Test Title: View settings and check if the user can adjust the modules						
Pre-conditions: user will adjust the modules in settings						
Post-conditions: users can now view the settings but can't adjust modules yet						
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Check if features can use now	Click each feature in settings	Must view each feature	Can load features	Pass	[Avon 04/20/2023 10:25 AM]: Launch succesful

Project Name: **Apartment Rental Management System**	
Test Case ID: TC_Terms_and_Conditions_01	Test Designed by: Ganilyn Avon B. Alcontin

Requirement No: FO1	Test Designed Date: Feb. 08, 2023
Test Priority (Low/Med/High): High	Test Executed by: Ganilyn Avon B. Alcontin
Module Name: Terms and Conditions	Test Execution Date: April 20, 2023
Test Title: Read terms and conditions and agree to it	
Pre-conditions: user will read and agree in terms and conditions	
Post-conditions: users can now view the agree in terms and conditions	

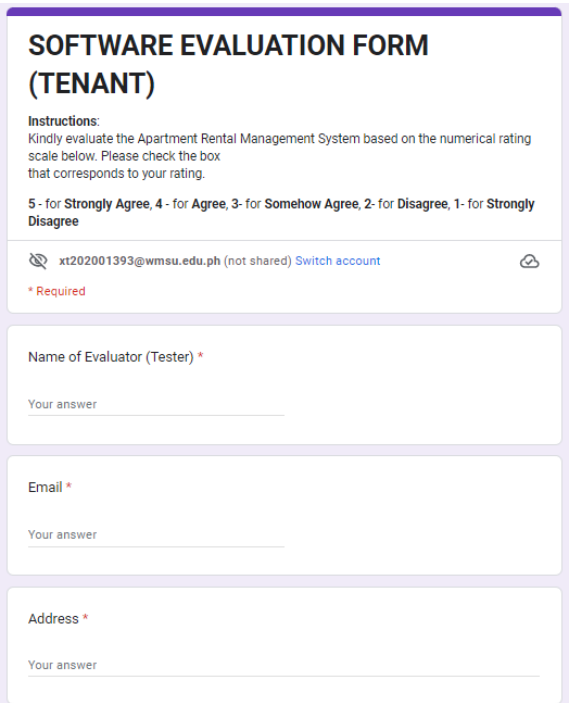
No.	Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Comments
1.	Agree to terms and conditions and click submit	Click agree to terms and conditions then click submit	There should be a confirmation that you agree to terms and conditions	Can't load the features	Fail	[Avon 04/20/2023 10:28 AM]: Launch Fail

7.2.1Test Results Summary

The summary of our system is that almost half in admin side are now functioning and we are still continuing on developing the other modules and its features.

7.3 Software Evaluation Tool

7.3.1 Tenant Questionnaire



SOFTWARE EVALUATION FORM (TENANT)

Instructions:
Kindly evaluate the Apartment Rental Management System based on the numerical rating scale below. Please check the box
that corresponds to your rating.

5 - for **Strongly Agree**, **4** - for **Agree**, **3**- for **Somehow Agree**, **2**- for **Disagree**, **1**- for **Strongly Disagree**

xt202001393@wmsu.edu.ph (not shared) Switch account

* Required

Name of Evaluator (Tester) *

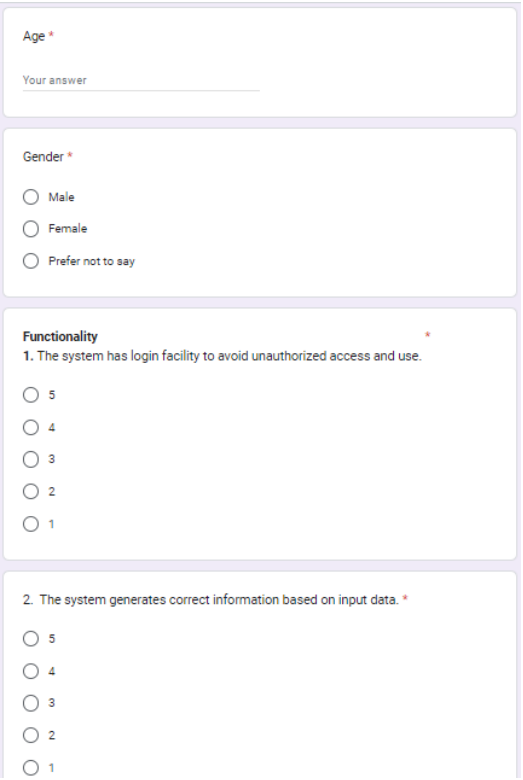
Your answer

Email *

Your answer

Address *

Your answer



Age *

Your answer

Gender *

- Male
- Female
- Prefer not to say

Functionality *

1. The system has login facility to avoid unauthorized access and use.

- 5
- 4
- 3
- 2
- 1

2. The system generates correct information based on input data. *

- 5
- 4
- 3
- 2
- 1

3. The system saves data in the database. *

- 5
- 4
- 3
- 2
- 1

4. The system has the ability to view tenant lease agreement. *

- 5
- 4
- 3
- 2
- 1

5. The system allows tenants to submit complaints, maintenance request, and other issues. *

- 5
- 4
- 3
- 2
- 1

6. The system provides options for tenants to view and download lease agreement documents. *

- 5
- 4
- 3
- 2
- 1

7. The system has the ability to update contact information. *

- 5
- 4
- 3
- 2
- 1

8. The system allows tenants to update their own profile. *

- 5
- 4
- 3
- 2
- 1

9. The system set automated event reminder for tenants monthly rent due. *

- 5
- 4
- 3
- 2
- 1

10. The system has the ability to view tenant rent payment history. *

- 5
- 4
- 3
- 2
- 1

Reliability *

1. The system is able to handle errors.

- 5
- 4
- 3
- 2
- 1

2. The system is able to resume working and restore data after failure. *

- 5
- 4
- 3
- 2
- 1

3. The system has responsive designs that work well on a variety of devices, such as desktops, tablets, and smartphones. *

- 5
- 4
- 3
- 2
- 1

4. The system securely stores all data and protects sensitive information. *

- 5
- 4
- 3
- 2
- 1

5. The system is accessible 24/7 except during maintenance. *

- 5
- 4
- 3
- 2
- 1

Usability *

1. The system can be easily learned by the tenants.

- 5
- 4
- 3
- 2
- 1

2. The system has a clear and organized user interface. *

- 5
- 4
- 3
- 2
- 1

3. The system interface is easy to navigate. *

- 5
- 4
- 3
- 2
- 1

4. The system has icons familiar to the admin. *

- 5
- 4
- 3
- 2
- 1

5. The system has a consistent layout and design. *

- 5
- 4
- 3
- 2
- 1

6. The system uses standard fonts and colors viewable enough for most tenants. *

- 5
- 4
- 3
- 2
- 1

7. The system has responsive designs that adapts to various screen sizes and devices. *

- 5
- 4
- 3
- 2
- 1

8. The system has easy to follow navigation. *

- 5
- 4
- 3
- 2
- 1

9. The system supports customization of user preference. *

- 5
- 4
- 3
- 2
- 1

10. The web pages or screens in the system is consistent and uniform. *

- 5
- 4
- 3
- 2
- 1

11. The system has no broken links. *

- 5
- 4
- 3
- 2
- 1

12. The system provides clear and concise labels for buttons which describe their purpose. *

- 5
- 4
- 3
- 2
- 1

13. The system has the ability to save commonly used searches or filters for future use. *

- 5
- 4
- 3
- 2
- 1

14. The system is forgiving, allowing the owner to undo or redo their actions. *

- 5
- 4
- 3
- 2
- 1

15. The system supports a quick view and preview feature for data or files. *

- 5
- 4
- 3
- 2
- 1

Submit Clear form

7.3.2 Admin and Landlord Questionnaire

Instructions: Kindly evaluate the Apartment Rental Management System based on the numerical rating scale below. Please check the box that corresponds to your rating.

5 - for **Strongly Agree**, **4** - for **Agree**, **3**- for **Somehow Agree**, **2**- for **Disagree**, **1**- for **Strongly Disagree**

xt202001393@wmsu.edu.ph (not shared) Switch account

* Required

Name of Evaluator (Tester) *

Your answer

Email *

Your answer

Address *

Your answer

Age *

Your answer

Gender *

- Male
- Female

Functionality *

1. The system has login facility to avoid unauthorized access and use.

- 5
- 4
- 3
- 2
- 1

2. The system dashboard provides a clear overview for the number of tenants, pending tickets, buildings, property units, and total income for the month. *

- 5
- 4
- 3
- 2
- 1

3. The system saves data in the database. *

- 5
- 4
- 3
- 2
- 1

4. The system meets all necessary requirements for managing apartment rentals. *

- 5
- 4
- 3
- 2
- 1

5. The system can set up automated invoice generation. *

- 5
- 4
- 3
- 2
- 1

6. The system provides a confirmation messages to reduce the risk of errors or oversight. *

- 5
- 4
- 3
- 2
- 1

7. The system allows for easy creation and modification of tenant profiles such as contact information and lease agreements. *

- 5
- 4
- 3
- 2
- 1

8. The system allows landlords to view rent payment history. *

- 5
- 4
- 3
- 2
- 1

9. The system allows for easy creation and modification of property units details. *

- 5
- 4
- 3
- 2
- 1

10. The system provides clear channels with tenants for complaints, maintenance requests and other issues. *

- 5
- 4
- 3
- 2
- 1

11. The system generates reports and monthly income statements. *

- 5
- 4
- 3
- 2
- 1

12. The system tracks all rent payments such as the paid and unpaid invoices. *

- 5
- 4
- 3
- 2
- 1

13. The system track and manage tenant complaints. *

- 5
- 4
- 3
- 2
- 1

14. The system provides digital document storage and management for lease agreements and other important documents. *

- 5
- 4
- 3
- 2
- 1

15. The system has an automated generation of event reminder on the calendar for the monthly rent due date for each tenant. *

- 5
- 4
- 3
- 2
- 1

Reliability *

1. The system is able to handle errors.

- 5
- 4
- 3
- 2
- 1

2. The system can easily filter and search data. *

- 5
- 4
- 3
- 2
- 1

3. The system has responsive designs that work well on a variety of devices, such as desktops, tablets, and smartphones. *

- 5
- 4
- 3
- 2
- 1

4. The system securely stores all data and protects sensitive tenant information. *

- 5
- 4
- 3
- 2
- 1

5. The system is accessible 24/7 except during maintenance. *

- 5
- 4
- 3
- 2
- 1

6. The system status dashboard provides real-time information. *

- 5
- 4
- 3
- 2
- 1

Usability *

1. The system can be easily learned by owner of the rental business.

- ◯ 5
- ◯ 4
- ◯ 3
- ◯ 2
- ◯ 1

2. The system has a clear and organized user interface. *

- ◯ 5
- ◯ 4
- ◯ 3
- ◯ 2
- ◯ 1

3. The system has dropdown options for admin selection. *

- ◯ 5
- ◯ 4
- ◯ 3
- ◯ 2
- ◯ 1

4. The system interface is easy to navigate. *

- ◯ 5
- ◯ 4
- ◯ 3
- ◯ 2
- ◯ 1

5. The system has icons familiar to the admin. *

- ◯ 5
- ◯ 4
- ◯ 3
- ◯ 2
- ◯ 1

6. The system has a consistent layout and design. *

- ◯ 5
- ◯ 4
- ◯ 3
- ◯ 21
- ◯ 1

7. The system has responsive designs that adapts to various screen sizes and devices. *

- ◯ 5
- ◯ 4
- ◯ 3
- ◯ 2
- ◯ 1

8. The system supports a quick view and preview feature for data or files. *

- ◯ 5
- ◯ 4
- ◯ 3
- ◯ 2
- ◯ 1

9. The system has user-friendly forms with clear instructions and error messages. *

- ◯ 5
- ◯ 4
- ◯ 3
- ◯ 2
- ◯ 1

10. The system supports customization of dashboard and user preference. *

- ◯ 5
- ◯ 4
- ◯ 3
- ◯ 2
- ◯ 1

11. The system has no broken links. *

- ◯ 5
- ◯ 4
- ◯ 3
- ◯ 2
- ◯ 1

12. The system's controls are self-explanatory and not require training to operate. *

- ◯ 5
- ◯ 4
- ◯ 3
- ◯ 2
- ◯ 1

13. The system provides clear and concise labels for buttons which describe their purpose. *

- 5
- 4
- 3
- 2
- 1

14. The system has the ability to save commonly used searches or filters for future use. *

- 5
- 4
- 3
- 2
- 1

15. The system is forgiving, allowing the owner to undo or redo their actions. *

- 5
- 4
- 3
- 2
- 1

16. The system uses standard fonts and colors viewable enough for most admin. *

- 5
- 4
- 3
- 2
- 1

Submit Clear form

7.4 Beta Test Result Summary

The results obtained from the feedback of six tenant respondents in the given software evaluation tool indicate that the system's functionality is highly efficient and meets all the necessary requirements. The system was found to be reliable enough to handle errors and responsive to various devices, such as phones, tablets, and laptops. Additionally, the system's structure and organization were highly praised, as it enabled easy navigation. However, some respondents expressed their disagreement with some of the system's functionalities, reliability, and usability. Consequently, it is highly recommended that the system undergoes enhancements to ensure optimal user experience and quality. These enhancements should be aimed at addressing the issues raised by the tenants and aligning the system with industry standards.

Landlord and admin results revealed that the system under review effectively provided a clear overview of various essential requirement such as the number of tenants, pending tickets, buildings, property units, and total income for the month. Additionally, the system was able to meet all necessary requirements for managing apartment rentals, with particularly on its ability to manage leases and invoices. However, while the landlord generally agreed with the user interface of the system, they expressed some confusion with certain features making them disagree. In terms of reliability, both the admin and landlord agreed that the system was highly efficient in handling search data, which speaks to its dependability. Moreover, the system's responsive design, which functions smoothly on any type of devices including desktops, tablets, and smartphones. In the given results the system is highly effective in managing apartment rentals, although some improvements may be necessary to address the landlord's concerns with certain features.

CHAPTER 8 – DEPLOYMENT AND TRAINING

8.1 Deployment Procedure

The system will be utilized at an Apartment Rental Establishment. First, the development team should conduct thorough testing phase to ensure that the system is stable and ready for deployment. Once the testing is complete, the team should work with the client to schedule a deployment date and time that is convenient for both parties. On the day of the deployment, the team should arrive at the client business site and set up the necessary requirements such as the hardware and software components.

The client will renew the domain description that the system currently has. The team should perform a final testing to ensure that the system is functioning properly in the client's environment. Once the system is complete and is confirmed to be working correctly, the system should provide a user manual and training the clients landlord on how to use the system effectively. Furthermore, the team should hand over all the necessary documentation on going support to the client as needed to ensure a trouble-free transition to the new system.

8.2 Training Plan

The training objective is to give the Client, Landlords, and Tenants with the necessary knowledge and skills to effectively use the new system software in the establishment. The training resources for this plan should be available on the training timeline

Trainers	Inteltek Corporation members
Trainees	Proton Tech Electronics Service staffs
Venue	Proton Tech Electronics Service
Software and Devices	Laptops and mobile phones
Training Materials	User Manual

Date	Event
May 1, 2023 - May 1, 2023	Introduction of the system software to the Apartment Rental Establishment
May 2, 2023 - May 2, 2023	Conduct on-site training for staffs
May 3, 2023 - May 4, 2023	Conduct follow-up assessment
May 5, 2023- May 5, 2023	Address remaining questions and concerns
May 6, 2023- May 7, 2023	Finalize and verify the training

APPENDICES

Appendix A: Company Agreement Form

CONTRACT OF AGREEMENT

We, the undersigned, hereby understood and abide the rules and regulations, policies, and penalties set by the Inteltek Corporation. Signed this April 27, 2023 at the College of Computing Studies, Western Mindanao State University, Normal Road, Baliwasan, Zamboanga City, Philippines, 7000.

Samson, Jenny Babe G.
Project Manager

Wong, Steffi C,
Lead Developer

Tarroza, Roselyn
Business Analyst

Abdulhamid, Racquiza
UI Designer

Sultan, Kent Lowell
UX Designer

Alcontin, Ganilyn Avon
Quality Assurance

Noted by:

Engr. Marjorie A. Rojas
Instructor

Appendix B: Client Agreement Form

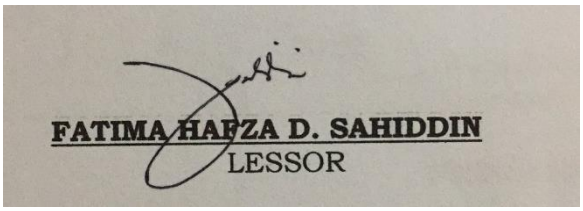
Client Agreement Form

Organization Name:	Orenda
Organization Address:	Western Mindanao State University, Normal Road, Baliwasan,
	Zamboanga City 7000, Zamboanga del Sur
Project Working Title:	Rental Management System
Project Description:	A rental property management system is a piece of software that assists property owners and managers in carrying out a wide variety of essential daily responsibilities, such as tenant information management, accounting and billing, maintenance, and online vacancy posting. Reports on things like monthly rent payments, income, and expenses can be generated by property management software to keep you apprised of the property's financial status. This enables you to quickly enhance and automate your business operations while maintaining all the crucial data that is required for these reports, as opposed to paperwork, which cannot be said for paperwork. As new competitors enter the market and the significance of national boundaries diminishes, this will allow the rental services to continue to adapt and change.

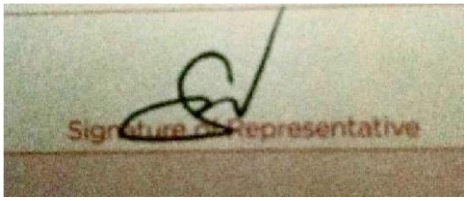
Developer (Students)
1. Jenny Babe G. Samson
2. Fatima Dhoevia Racquiza Abdulhamid
3. Ganilyn Avon Alcontin
4. Steffi Wong
5. Roselyn Tarroza
6. Kent Lowell Sultan

The undersigned hereby agreed to be their client and provide the necessary information and support to the above students to carry out an information system development project for our organization from the 1st Semester S.Y 2022 – 2023 to 2nd Semester S.Y. 2022 – 2023 following the academic year of Western Mindanao State University.

The Client (Top-Management Member of the Organization):

Signature:	
Name of the Client:	Fatima Hafza D. Sahiddin
Designation:	Owner
Office:	Talon – Talon, Zamboanga City
Email:	Fatimahafza@gmail.com
Contact Number:	09152437073

The Contact Person (Top-Management Member or Employee of the Organization):

Signature:	
Name of the Person:	Aldina D. Jimlan
Designation:	Landlady / Manager
Office:	San Jose Gusu, Zamboanga City
Email:	Sunny.snuggles.7@gmail.com
Contact Number:	09500007131

Appendix C: Transcribed Interview

Questions to be Administered to the Rental House Owner

The Property is located at__Purok IIA Acasia Drive, Upper Calarian, Zamboanga City___ and is a ( ) house

( ) condo (/)apartment (/) which contains __/_Bedroom(s),__/__Bathroom(s). The Property includes a ( ) Garden and (/)___Parking Space(s).

Pets are (/) allowed ( ) not allowed Smoking is (/) allowed ( ) not allowed

QUESTIONS;

1. Company/ Manager name?

   Details: __Fatima Hafza Sahiddin_____

2. How long have you been in business?

   Details: 1 year_____

3. How many people work for you?

   Details: _2_____

4. How many rental houses do you manage?

   Details: __1 in business/operating, while 1 under construction_____

5. How do you collect rent from tenants?

   Details: _Every month, while the exact day depends upon the day of the contract signing and the moving day of the tenant.

6. Is there any pricing option for the tenants?

   Yes ☐ No ■

   Details: _____

7. What is your monthly rate?

   Details: five thousand pesos per month_____ _____

8. Do you charge for evictions?

   Yes ☐ No ■

9. What is your cancellation fee?

   Details: ____None_____

10. Do you have terms and conditions of Rental? if there is any, what are these?

    Yes ■ No ☐

    Details: _____

11. How long are your properties typically vacant?

    Details: Not less than a month_____ _____

12. What challenges have the lessor faced in the said business right now?

    Details:_____

13. What are the lessor's overall goals for this entire project?

    Details: _____

14. Do you also want to apply the project system to your other rental houses?

    Yes ☒ No ☐

15. Was the unit maintained in a safe and sanitary manner?

    Yes ☒ No ☐

16. Have they been liable for rechargeable repairs or left their property unsatisfactory manner?

    Yes ☒ No ☐

Documentation of Client interview;

Appendix D: Gantt Chart

Phase 1 - Planning

Task	People	Status	Timeline	Dependency
1.1 Create a company	KS	Done	Aug 19, '22	-
1.2 Design a company logo		Done	Aug 20, '22	1.1 Create a company
1.3 Define company mission, vision, and goals		Done	Aug 21, '22 - Aug 22, '22	1.1 Create a company
1.4 Define company organizational structure		Done	Aug 23, '22	1.1 Create a company
1.5 Define company policies and penalties		Done	Aug 24, '22 - Aug 25, '22	1.4 Define company organizational structure
1.6 Establish and promote company		Done	Sep 6, '22 - Sep 8, '22	1.5 Define company policies and penalties
1.7 Create a client agreement form		Done	Sep 7, '22	1.6 Establish and promote company
1.8 List of interview questions	KS	Done	Sep 8, '22	1.7 Create a client agreement form
1.9 Validation of interview questions		Done	Sep 9, '22 - Sep 10, '22	1.8 List of interview questions
1.10 Close a deal with a client	KS	Done	Sep 17, '22 - Sep 22, '22	1.9 Validation of interview questions
1.11 Create project action plan		Done	Oct 14, '22 - Oct 22, '22	1.10 Close a deal with a client
1.12 Determine project milestones and deliverables		Done	Oct 23, '22 - Oct 24, '22	1.10 Close a deal with a client
1.13 Create work breakdown structure	KS	Done	Oct 25, '22 - Oct 26, '22	1.11 Create project action plan
1.14 Create an online project board		Done	Oct 27, '22 - Oct 28, '22	1.11 Create project action plan
1.15 Create an online Gantt Chart		Done	Oct 29, '22 - Oct 30, '22	1.11 Create project action plan
1.16 Create Activity Network Diagram	KS	Done	Oct 31, '22 - Nov 1, '22	1.15 Create an online Gantt Chart
1.17 Determine project critical path and slack time	KS	Done	Nov 2, '22	1.16 Create Activity Network Diagram
1.18 Collate project documentation for Phase 1	KS	Done	Nov 3, '22	1.17 Determine project critical path and slack time

Phase 2 - Analysis

Task	People	Status	Timeline	Dependency
2.1 Identify data collection method		Done	Nov 4, '22	1.18 Collate project documentation for Phase 1
2.2 Conduct initial data gathering		Done	Nov 5, '22 - Nov 6, '22	2.1 Identify data collection method
2.3 Transcribe and analyze collected data	KS	Done	Nov 7, '22	2.2 Conduct initial data gathering
2.4 Propose initial solution for the project	KS	Done	Nov 8, '22	2.3 Transcribe and analyze collected data
2.5 Determine project cost		Done	Nov 9, '22	2.4 Propose initial solution for the project
2.6 Conduct feasibility study		Done	Nov 10, '22 - Nov 12, '22	2.5 Determine project cost
2.7 List initial project requirements		Done	Nov 13, '22	2.6 Conduct feasibility study
2.8 Determine hardware requirements	KS	Done	Nov 14, '22 - Nov 16, '22	2.7 List initial project requirements
2.9 Determine software requirements	KS	Done	Nov 14, '22 - Nov 16, '22	2.7 List initial project requirements
2.10 Determine network requirements	KS	Done	Nov 14, '22 - Nov 16, '22	2.7 List initial project requirements
2.11 Determine database requirements	KS	Done	Nov 14, '22 - Nov 16, '22	2.7 List initial project requirements
2.12 Identify software specifications		Done	Nov 17, '22	2.11 Determine database requirements
2.13 List product features		Done	Nov 18, '22 - Nov 19, '22	2.12 Identify software specifications
2.14 List product attributes		Done	Nov 18, '22 - Nov 19, '22	2.12 Identify software specifications
2.15 Create product mockups		Done	Nov 20, '22 - Nov 24, '22	2.14 List product attributes
2.16 Finalize documentation for Phase II	KS	Done	Nov 25, '22 - Nov 27, '22	2.15 Create product mockups

Phase 3 - Design

Task	People	Status	Timeline	Dependency
3.1 Determine system architecture	KS	Done	Nov 28, '22 - Nov 29, '22	2.16 Finalize documentation for Phase II
3.2 Create business use case		Done	Nov 30, '22 - Dec 1, '22	3.1 Determine system architecture
3.3 Create context and data flow diagram		Done	Dec 2, '22 - Dec 3, '22	3.2 Create business use case
3.4 Design system models	KS	Done	Dec 4, '22 - Dec 6, '22	3.3 Create context and data flow diagram
3.5 Design user interface		Done	Dec 7, '22 - Dec 10, '22	3.4 Design system models
3.6 Create product prototype		Done	Dec 10, '22 - Dec 16, '22	3.5 Design user interface
3.7 Finalize documentation for Phase III	KS	Done	Dec 17, '22	3.6 Create product prototype
+ Add Item				
	KS		Nov 28, '22 - Dec 17, '22	

Phase 4 - Coding

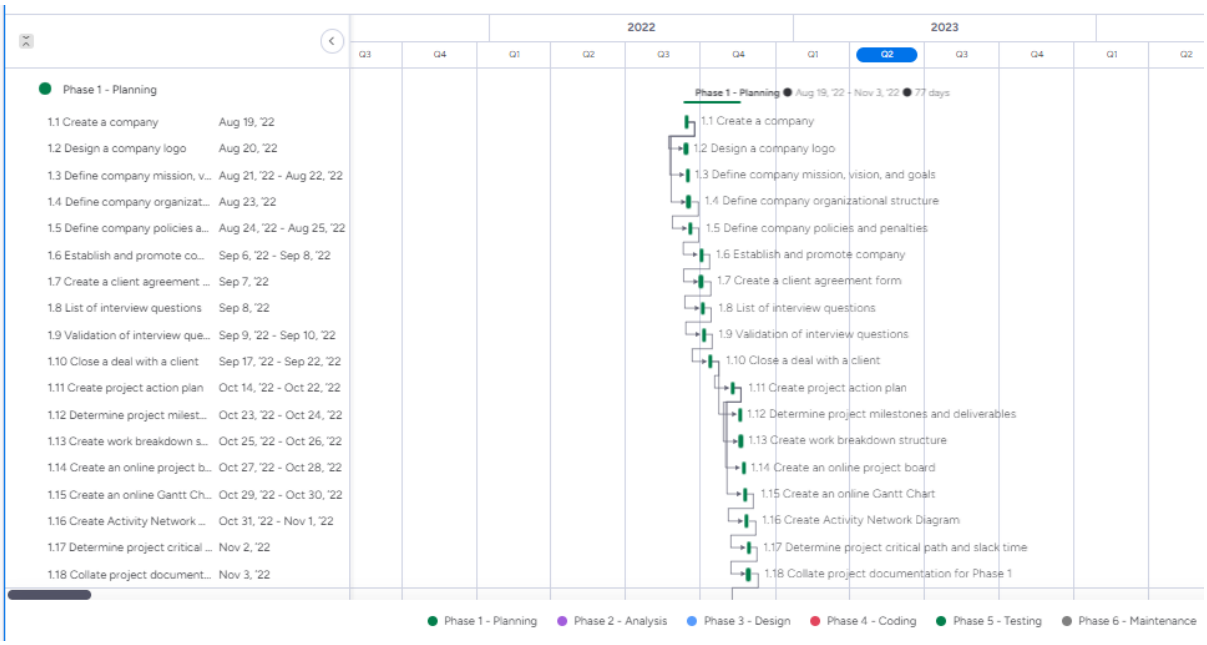
Task	People	Status	Timeline	Dependency
4.1 Write System Module 1 – [Owner Module]	KS		Jan 9 - 17	3.7 Finalize documentation for Phase III
4.2 Write System Module 2 – [Tenants Module]	KS		Jan 18 - 26	4.1 Write System Module 1 – [Owner Module]
4.3 Get feedback from a consultant 1			Jan 27 - 28	4.2 Write System Module 2 – [Tenants Module]
4.4 Debug, fix bugs, and update modules	KS		Jan 29 - Feb 4	4.3 Get feedback from a consultant 1
4.5 Write System Module 3 – [Transaction Module]	KS		Feb 5 - 13	4.4 Debug, fix bugs, and update modules
4.6 Write System Module 4 – [Admin Module]	KS		Feb 13 - 21	4.5 Write System Module 3 – [Transaction Module]
4.7 Write System Module 5 – [Product Module]	KS		Feb 22 - Mar 2	4.6 Write System Module 4 – [Admin Module]
4.8 Write System Module 6 – [Notification Module]	KS		Mar 3 - 12	4.7 Write System Module 5 – [Product Module]
4.9 Integrate System Modules	KS		Mar 13 - 18	4.8 Write System Module 6 – [Notification Module]
4.10 Get feedback from a consultant 2			Mar 19 - 20	4.9 Integrate System Modules
4.11 Debug, fix bugs, and update modules	KS		Mar 21 - 25	4.10 Get feedback from a consultant 2
4.12 Conduct unit testing			Mar 26 - 29	4.11 Debug, fix bugs, and update modules
4.13 Finalize product design and coding	KS		Mar 30 - Apr 9	4.12 Conduct unit testing
+ Add Item				
	KS		Jan 9 - Apr 9	

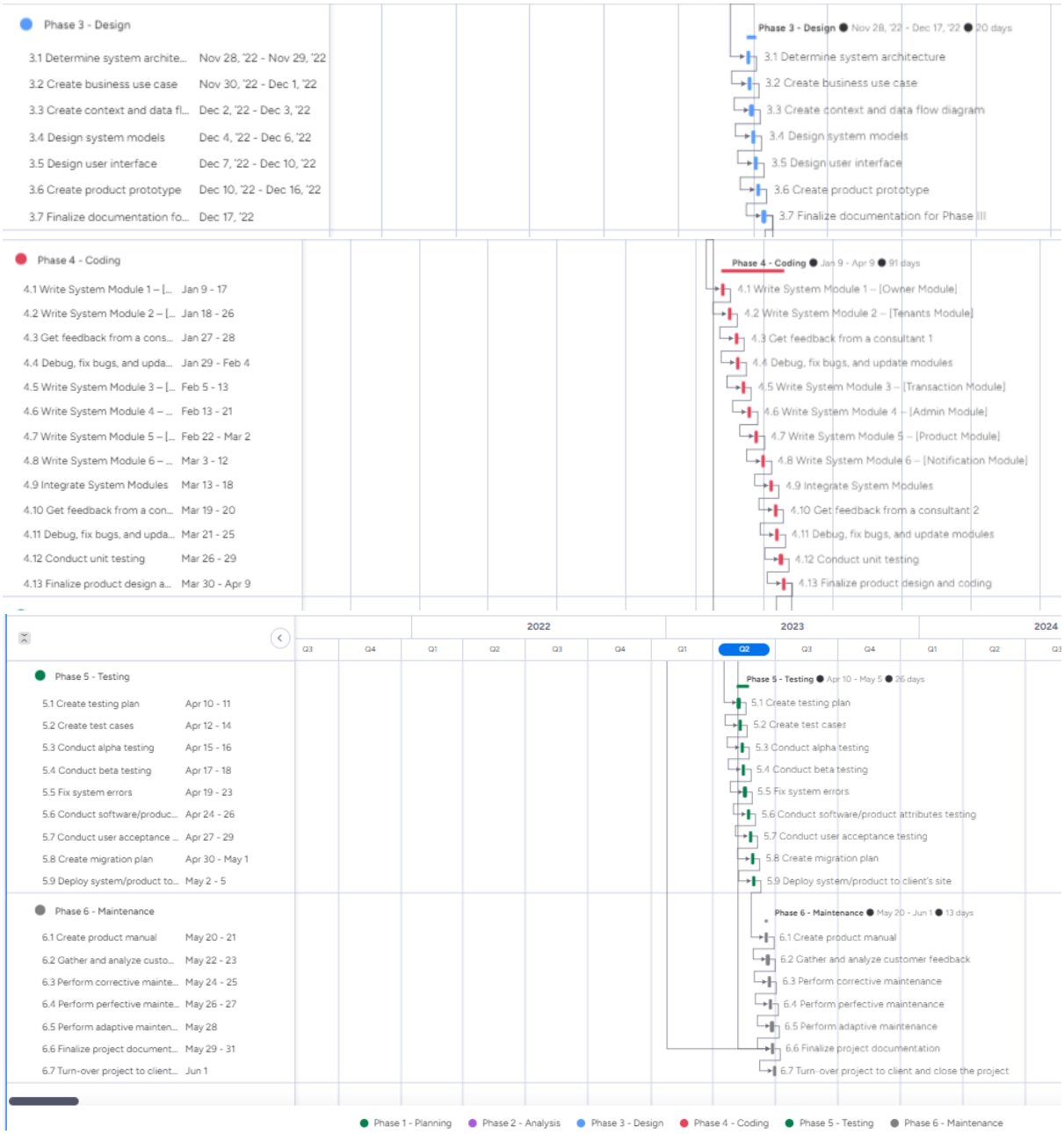
Phase 5 - Testing

Task	People	Status	Timeline	Dependency
5.1 Create testing plan			Apr 10 - 11	4.13 Finalize product design and coding
5.2 Create test cases	KS		Apr 12 - 14	5.1 Create testing plan
5.3 Conduct alpha testing	KS		Apr 15 - 16	5.2 Create test cases
5.5 Fix system errors	KS		Apr 19 - 23	5.4 Conduct beta testing
5.4 Conduct beta testing	KS		Apr 17 - 18	5.3 Conduct alpha testing
5.6 Conduct software/product attributes testing			Apr 24 - 26	5.5 Fix system errors
5.7 Conduct user acceptance testing			Apr 27 - 29	5.6 Conduct software/product attributes testing
5.8 Create migration plan			Apr 30 - May 1	5.7 Conduct user acceptance testing
5.9 Deploy system/product to client's site	KS		May 2 - 5	5.8 Create migration plan
+ Add Item				
	KS		Apr 10 - May 5	

Phase 6 - Maintenance

Task	People	Status	Timeline	Dependency
6.1 Create product manual	KS		May 20 - 21	5.9 Deploy system/product to client's site
6.2 Gather and analyze customer feedback			May 22 - 23	6.1 Create product manual
6.3 Perform corrective maintenance	KS		May 24 - 25	6.2 Gather and analyze customer feedback
6.4 Perform perfective maintenance	KS		May 26 - 27	6.3 Perform corrective maintenance
6.5 Perform adaptive maintenance	KS		May 28	6.4 Perform perfective maintenance
6.6 Finalize project documentation	KS		May 29 - 31	3.7 Finalize docu... 4.13 Finalize prod... 6.5 Perform adap...
6.7 Turn-over project to client and close the project			Jun 1	6.6 Finalize project documentation
+ Add Item				
	KS		May 20 - Jun 1	




Phase 3 - Design
3.1 Determine system archite... Nov 28, '22 - Nov 29, '22
3.2 Create business use case Nov 30, '22 - Dec 1, '22
3.3 Create context and data fl... Dec 2, '22 - Dec 3, '22
3.4 Design system models Dec 4, '22 - Dec 6, '22
3.5 Design user interface Dec 7, '22 - Dec 10, '22
3.6 Create product prototype Dec 10, '22 - Dec 16, '22
3.7 Finalize documentation fo... Dec 17, '22
Phase 3 - Design Nov 28, '22 - Dec 17, '22 20 days
3.1 Determine system architecture
3.2 Create business use case
3.3 Create context and data flow diagram
3.4 Design system models
3.5 Design user interface
3.6 Create product prototype
3.7 Finalize documentation for Phase III
Phase 4 - Coding
4.1 Write System Module 1 – [... Jan 9 - 17
4.2 Write System Module 2 – [... Jan 18 - 26
4.3 Get feedback from a cons... Jan 27 - 28
4.4 Debug, fix bugs, and upda... Jan 29 - Feb 4
4.5 Write System Module 3 – [... Feb 5 - 13
4.6 Write System Module 4 – ... Feb 13 - 21
4.7 Write System Module 5 – [... Feb 22 - Mar 2
4.8 Write System Module 6 – ... Mar 3 - 12
4.9 Integrate System Modules Mar 13 - 18
4.10 Get feedback from a con... Mar 19 - 20
4.11 Debug, fix bugs, and upda... Mar 21 - 25
4.12 Conduct unit testing Mar 26 - 29
4.13 Finalize product design a... Mar 30 - Apr 9
Phase 4 - Coding Jan 9 - Apr 9 91 days
4.1 Write System Module 1 – [Owner Module]
4.2 Write System Module 2 – [Tenants Module]
4.3 Get feedback from a consultant 1
4.4 Debug, fix bugs, and update modules
4.5 Write System Module 3 – [Transaction Module]
4.6 Write System Module 4 – [Admin Module]
4.7 Write System Module 5 – [Product Module]
4.8 Write System Module 6 – [Notification Module]
4.9 Integrate System Modules
4.10 Get feedback from a consultant 2
4.11 Debug, fix bugs, and update modules
4.12 Conduct unit testing
4.13 Finalize product design and coding
2022
2023
2024
Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3
Phase 5 - Testing
5.1 Create testing plan Apr 10 - 11
5.2 Create test cases Apr 12 - 14
5.3 Conduct alpha testing Apr 15 - 16
5.4 Conduct beta testing Apr 17 - 18
5.5 Fix system errors Apr 19 - 23
5.6 Conduct software/produc... Apr 24 - 26
5.7 Conduct user acceptance ... Apr 27 - 29
5.8 Create migration plan Apr 30 - May 1
5.9 Deploy system/product to... May 2 - 5
Phase 6 - Maintenance
6.1 Create product manual May 20 - 21
6.2 Gather and analyze custo... May 22 - 23
6.3 Perform corrective mainte... May 24 - 25
6.4 Perform perfective mainte... May 26 - 27
6.5 Perform adaptive mainten... May 28
6.6 Finalize project document... May 29 - 31
6.7 Turn-over project to client... Jun 1
Phase 5 - Testing Apr 10 - May 5 26 days
5.1 Create testing plan
5.2 Create test cases
5.3 Conduct alpha testing
5.4 Conduct beta testing
5.5 Fix system errors
5.6 Conduct software/product attributes testing
5.7 Conduct user acceptance testing
5.8 Create migration plan
5.9 Deploy system/product to client's site
Phase 6 - Maintenance May 20 - Jun 1 13 days
6.1 Create product manual
6.2 Gather and analyze customer feedback
6.3 Perform corrective maintenance
6.4 Perform perfective maintenance
6.5 Perform adaptive maintenance
6.6 Finalize project documentation
6.7 Turn-over project to client and close the project
Phase 1 - Planning
Phase 2 - Analysis
Phase 3 - Design
Phase 4 - Coding
Phase 5 - Testing
Phase 6 - Maintenance

Appendix E: User Manual

User's Manual

General Information

This project is entitled Apartment Rental Management System. The business's name is Soffiyah Rentals, It is a rental apartment to provide a comfortable and convenient living space that meets the needs of the individual or family without the financial and long-term commitment that comes with owning a home. The system intends to integrate the stated functions into a web application for online use. A management system must be implemented in the establishment to mitigate potential risks and enhance the workplace management of the company.

System Overview

The system has admin, landlords, and tenants. This 3 user/s will be interconnected to create a functional and operational system that meets its system requirements.

This project will allow tenant to view property, property units, lease, and invoices through online. The rental apartment requires the aspiring tenant to avail apartment in person. The landlord will provide an account for the tenant can access the system. The system requires the tenant to log in to view his/her rental information. The tenant can raise a ticket if there are issues around his/her apartment. The admin and landlord administer the tenant transaction, tickets, and reports.

About this Manual

This manual is serves as a reference on how to use the Apartment Rental Management System. The user's manual consists of five sections: General Information, System Overview, about this Manual, Getting Started, System Features, and Contact Information.

The General Information section explains in general terms the system and the purpose for which it is intended.

The System Overview section provides a general overview of the system, The section outlines the system's functionalities.

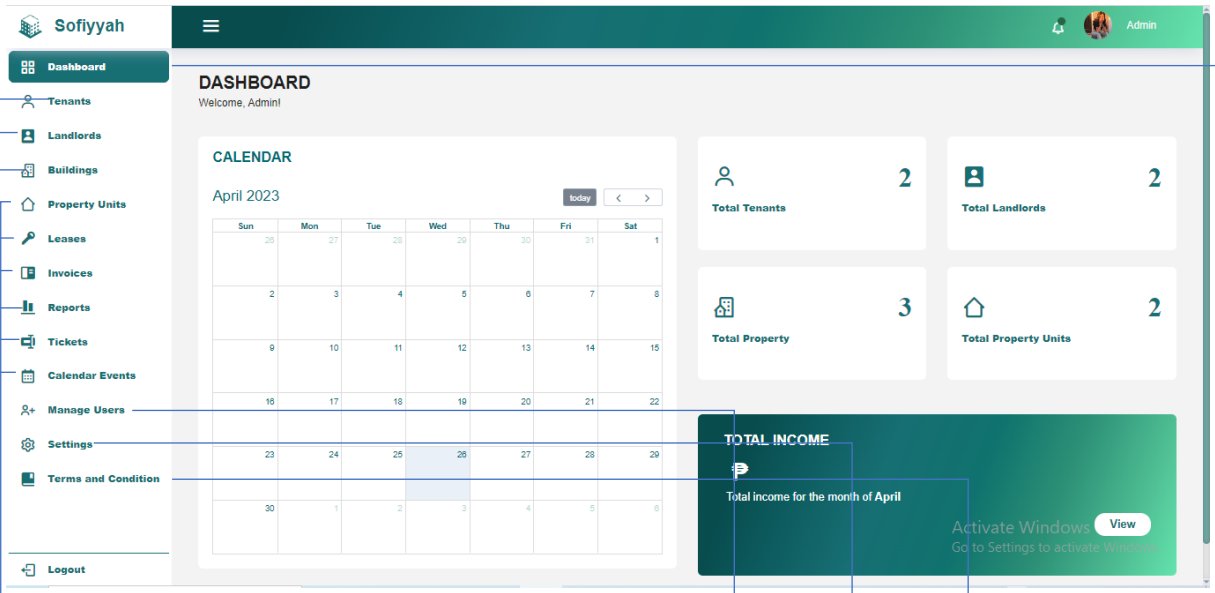
The About this Manual serves as a guide on how to get started in this document. This section provides a glimpse of the contents of the user's manual.

The Getting Started section provides illustrations and actual system's interface to guide the users on how to use the system

The System Features section explains the functionalities of the System. This section outlines the features of each of the users of the system.

Getting Started

Admin and Landlord User



Dashboard – report of monthly income, total landlord, property, property units and tenants
Tenants – management o tenants
Landlords – management for landlord
Buildings – management for buildings
Property units – transaction of property units
Leases - transaction of lease
Invoices – manage transaction of rent
Reports – management of reports
Tickets – management of tickets
Calendar events – management of events
Manage users – management for tenants
Settings- manage changes
Terms and condition – manage of Terms and condition

System Features

Server-sided User Account Registration System (administered system thru database)

- Log-in
- Account type
- Forgot password

Manage Leases, Landlords, and Tenants (amenable profiling, penalties and lease contracts)

- View, edit, delete, and update the ff.
  - Landlords profile
  - Tenants profile
  - Lease entries

Manage Properties and Property Units (specified amenities and featured occupancy rate)

- View, edit, delete, and update the ff.
  - Properties Details
  - Property Units entries

Manage Tickets (setting standards with tenants' rights)

- View, edit, delete, and update the ff.
  - Ticket entries

Manage Calendar Events and Monthly Reports (for the purpose of bookkeeping)

- View, edit, delete, and update the ff.
  - Report assessments
  - Calendar Events entries

Manage Settings (extensive configurations)

- View, edit, delete, and update the ff.
  - Billings cost (assess monthly billing rates, electric and water)
  - Invoices (summation of rental dues)
  - Penalties (manage lease terms with violations)
  - Profiling (user profile management)