Software Requirements Specification

for
"Landlord" Application
Version 1.0
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1. Introduction

1.1 Purpose
Release Number 1.0
This software aims to assist the user in managing their records via print and recording mechanisms of the program.

1.2 Document Conventions
All requirements have their own priorities.

1.3 Intended Audience and Reading Suggestions
This document's intended use is for users, testers, and developers.

1.4 Product Scope
This application is a local desktop application intended for the management of departmental data.

1.5 References
RFP
Use Cases

2. Overall Description

2.1 Product Perspective
This program is self-contained. Any new updates/features will be provided by the team.

2.2 Product Functions
The following functions of this application are:
- Account creation, logging in
- Adding/managing tenant data
- Adding new expenses
- Allocating budget categories to given expenses
- View/Display record data
- filter data

2.3 Operating Environment
This application will require either Windows or Mac OS.

2.4 Design and Implementation Constraints

The design of the application must meet professional and industry standards, practicing application security and ethics.

2.5 User Documentation
An instructional guiding PDF will be provided along with the software.

2.6 Assumptions and Dependencies
All Windows/Mac OS devices must have enough space and ram in order to successfully run, install, and operate the application. An internet connection will be required for the installation process.

3. External Interface Requirements

3.1 User Interfaces
Account UI:

Welcome back Landlord !

Username
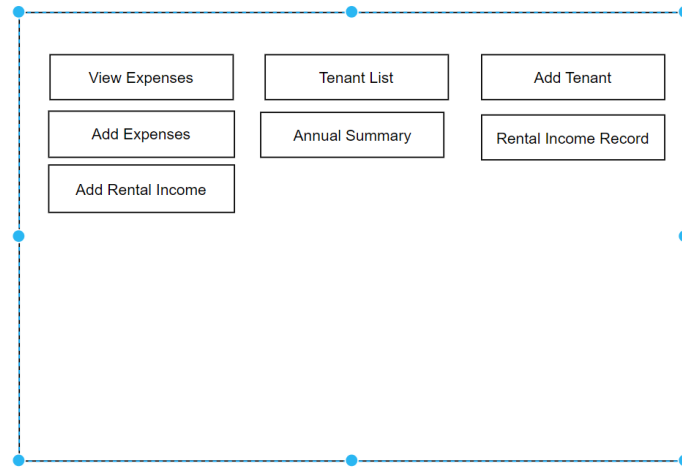
Password

Login

Don't have an account ? Signup

Register to Landlord

Name

Password

Register

Already have an account ? Login

Homepage UI:

View Expenses	Tenant List	Add Tenant
Add Expenses	Annual Summary	Rental Income Record
Add Rental Income		

Tenant UI:

Add new tenant

lastname

firstname

Tenant Email

Unit Price

Tenant Number

Add

←

Tenant List

Name	Amount Paid	Date

Expenses UI:

Add new Expense

Expense title

Categorie

Amount Paid

Date

The Payee

Paid by

Add

Expenses Record

Table

Rental Income Record

Tenant Name	Month	Income
		Filter by [List of Options]

Table

Return

Annual Summary

Amount Spent	Category	Amount Made

Table

Return

Rental Payment

Tenant First Name	Tenant Last Name	Room Number
		Filter by [List of Options]

Selection Table

Enter Payment

Submit

Return

3.2 Hardware Interfaces
Devices that support Windows and MacOS will be able to use the program.

3.3 Software Interfaces
Based on the events run by the user, the application will work along with the user, providing necessary guidance as needed.

3.4 Communications Interfaces
To use the program an internet connection must be established.

4. System Features
- Login

- Account
  - Create
- Tenant List *
  - Modify
  - Display / Filter

4.1 Use Cases

Use case 1	Create Account
Actor	User (the landlord)
Description	User will be able to sign up and create an account
Pre-Conditions	User does not have an account
Flow of Control	- Sign up button link - Input information form - Create username and password - Submit link
Post-Conditions	- Successful log-in will allow the display of additional applications/features.
Error-Conditions	- Password exceeds required characters. - No password was entered. - No username was entered. - An account with the same username was already created.
Nonfunctional Requirements	- Account generation should be quick. - Interface of the sign-in system should be user friendly.

Use case 2	Login
Actor	User (the landlord)
Description	User will be able to input their

	information to login to their account
Pre-Conditions	User has an account
Flow of Control	- Button to "Log In" - Display prompting the user to enter their user and password into the given fields. - User clicks the enter button
Post-Conditions	Upon successfully entering their information, the User is then taken to the application portal.
Error-Conditions	- User has entered the wrong password. - User has entered the wrong username.
Nonfunctional Requirements	- Login system should work swiftly. - Interface of the sign-in system should be user friendly.

Use case 3	Display Tenant List
Actor	Landlord
Description	Manage and organize list of tenants
Pre-Conditions	Landlord must have tenant paying rent in order to be displayed on the list

Flow of Control	● Landlord chooses "Display Tenant List"
	  ○ Software displays list of tenants
	● Landlord has the option to filter tenant list
	  ○ Software can order by several filters (alphabetical, amount of rent paid, date added to list)

Post-Conditions	The software will display the list of tenants in the landlords desired order
Error-Conditions	N/A
Nonfunctional Requirements	Tenant list should be neatly organized and displayed and should display within 3 seconds

Use case 4	Rental income record
Actor	Landlord
Description	Display rental income record
Pre-Conditions	User is logged in
Flow of Control	- Landlord chooses "Display rental income record" - Software displays list of tenants and their income - Landlord has the option to filter tenant list - Software can order by several filters (alphabetical, income, date added to list)
Post-Conditions	System will display the list of landlord and their incomes
Error-Conditions	N/A
Nonfunctional Requirements	Interface should be user friendly Table of rental income record should be displayed within 3 seconds

Use case 5	Display expense record
Actor	Landlord
Description	The landlord must be able to to record outgoing expenses
Pre-Conditions	User must be logged in
Flow of Control	The user click on "Expense" button

	It has columns for: -Each expense; - the date; - the payee (the company or person to whom John writes the check); - amount paid.
Post-Conditions	System will display the list of expenses and the total per month/year
Error-Conditions	N/A
Nonfunctional Requirements	Interface should be user friendly Table of rental income record should be displayed within 3 seconds

Use case 6	Display the annual summary
Actor	Landlord
Description	User will be able to click on a link that will display the annual summary
Pre-Conditions	User must be logged in

Flow of Control	- User clicks on "Annual Summary" link
	- Window displays information on annual summary
	    - Displays amount spent on expenses, repairs, etc
	    - Displays amount made in rent

Post-Conditions	Display a table of annual summary
Error-Conditions	N/A
Nonfunctional Requirements	Interface should be user friendly Table of rental income record should be displayed within 3 seconds

Use case 7	Add New Tenant
Actor	Landlord
Description	The landlord must be able to add a tenant and their information
Pre-Conditions	The user must be logged in
Flow of Control	User click on add tenant button User input tenant's information, including name, income, etc.
Post-Conditions	System add tenant to the database and notify landlord of tenant being added
Error-Conditions	● Tenant is already on the list/ in database
Nonfunctional Requirements	Tenant should be added to the list within 3 seconds

Use case 8	Input the rental payment
Actor	User (landlord)
Description	The landlord must be able to add a new event
Pre-Conditions	The landlord possesses information they would like to input into the system.
Flow of Control	- The user navigates to the button Enter Payment and clicks it - The user is provided a list of tenants and chooses one (The user could also filter the tenants

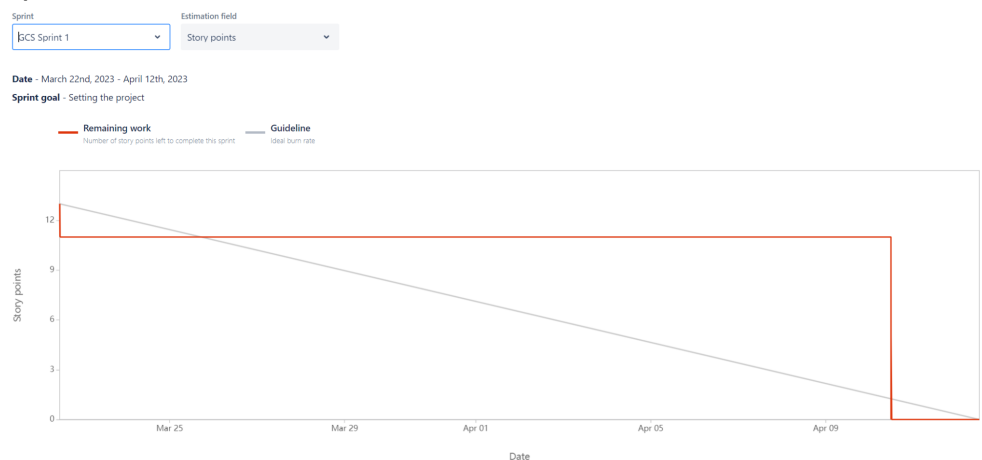|	list by inputting a name to name search, or room number to room number search).
	- The user is then prompted to add information regarding the payment received by said tenant.
	- The user presses enter and the data processes.
Post-Conditions	Upon processing, the data is updated to the system.
Error-Conditions	N/A
Nonfunctional Requirements	Time taken for the information to be updated into the system should be quick. The interface for entering rent payment should be user-friendly by a simple and clean look.

5. Nonfunctional Requirements

All processes and functions should occur within 3 seconds.

6. Other Requirements

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Sprint #1

Sprint #2

Date - April 17th, 2023 - May 2nd, 2023

Remaining work
Number of story points left to complete this sprint

Guideline
Ideal burn rate