Software Requirements Specification

for

<Apartment Management System>

Version 1.0 approved

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Revision History

Name	Date	Reason For Changes	Version

1. Introduction

1.1 Purpose

This paper is the Software Requirement Specification (SRS) for the Apartment Management System. The purpose of this paper is to describe the functionality, requirements and general interface of our project.

1.2 Product Scope

This project will help the builder to manage day to day transactions very easily. By making it as a general project we can sell this project to many builders.

1.3 Definitions

<not applicable>

1.4 References

<not applicable>

1.5 Overview

Existing System

The existing records were manually managed by the resources of the construction company. It was a huge task as they had to maintain a large database of customers who have bought the flats along with their dates, amount paid etc. They also had to manage the data related to the maintenance activities of all the flat owners. It required lot of time and resources. There was no way to find easily when the customer had to pay the installment for maintenance, etc details. The user had to manually search for all the records pertaining to each apartment and then prepare a report of all the outstanding payments.

Disadvantages of existing system

- *Existing system is completely hardcopy.*
- *Time consuming procedure.*
- *Tracking of the details is difficult.*

Proposed System

The interface helps the user to login through the system and add the details regarding the apartment. The interface takes as input the name of the customer, Phone number, address, the apartment number, Area of the house, Amount etc. These details are stored in the database. If the apartment is sold to the customer, then these details are stored in the sales tables. It will have a unique sale deed number generated for each of the flats.

The interface also has maintenance panel. This panel holds information such as name of the owner, the date of purchase, the maintenance charges to be paid, and quarterly or annually, Mode of payment etc. These details are stored in the maintenance tables in the database. The user can query on the database and fetch this information very easily. This interface helps the user to make all these payments regarding maintenance and purchase of flats etc.

Advantages of Proposed System

- *Time Saving*
- *Security*
- *Money Saving*
- *Finances Are Easier to Monitor*
- *Property Management Is Efficient*
- *Accounting Will Be Simple*
- *Storing Documents Is Convenient*
- *Communications Will Be Faster*

2. Overall Description

2.1 Product Perspective

- Apartment Details

It includes the apartment details ,number of rooms.

- Tenant description

Includes tenant details, newly customer details such as name, phone number .This information keeping the records of customer for easily use.

- Reservation Details

Includes Customer details, phone number, booking date, rent etc.

2.2 Product Functions

A user can login. The login and password are verified and authenticated. Admin can add, edit, delete or update the details of employees and apartment. Employees can check salary details.

2.3 User Classes and Characteristics

There are mainly 3 users of the proposed system.

- *Admin*
- *Employee*
- *Tenant*

Admin

Admin who is monitoring all the other users.Admin monitors employees details,rent details and detailsof the apartment.Admin has the complete details of the apartment.

Employees

Employees can enter rent details, check salary details, can view the tenant requests.

Tenant

Tenant can request for booking, view the details, enter feedbacks and other related activities.

2.4 Design and Implementation Constraints

The developed system should run under any platform i.e. Unix, Linux, Mac, Windows etc…All mandatory fields should be filled by an individual. There can be security risks involved. Details provided by the individual during his sign up should be stored in database.

2.5 Assumptions and Dependencies

Apartment inspections are done annually. Inspections are performed by a 3rd party. Apartments must be found up to code and in good condition and livable. If an inspection finds them to not be so, the landlord must discuss with the tenant what can be done to improve them, and who is liable for repairs. Tenants are notified at least 2 weeks in advance before an inspection is scheduled.

3. External Interface Requirements

3.1 User Interfaces

In case the user is not registered yet, they can enter the details and register. Then the user can login to the system with their username and password. Employees and admin can view the reservations.Admin can enter details regarding apartments and salary of employees.

3.2 Hardware Interfaces

The requirements of the computer has where the system going to be installed.A specific computer must watch the requirements in order to gain the maximum benefit from the system in an efficient manner.Reservation alerts will be sent.So there is a need of broadband internet connection.Client should be able to create a stable internet connection.

3.3 Software Interfaces

The computer this software going to be installed need to have windows operating system.There will be an data transmission with the Microsoft SQL server that will be installed in the same computer.

4. Other Nonfunctional Requirements

4.1 Performance Requirements

Performance requirements define acceptable response times for system functionality.Althouth the system is developed suiting for the least system performance,the performance of the system will highly depend on the performance of the hardware and software components of the installing computer.When considering about the timing relationship of the system the load system for user interface screen shall take no longer than two seconds.It makes fast access to system functions.

4.2 Safety Requirements

There are various user levels in apartment management system.Access to the various sub systems will be protected by a user login screen that takes username and password.This gives different views and accessible functions of user levels through the system.Maintaining backups ensure the system database security.System can be restoring in any case of emergency.