
SOFTWARE REQUIREMENTS SPECIFICATION

for

Condo Management System

Version 1.0 draft

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February 14, 2017

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1 Introduction

1.1 Purpose

The purpose of this document is to present a detailed description of the Condo Management System, a system designed to manage clients, condos, tenants, units and debts and provide organized records of each tenant debts and emit notices for those debts. It will explain the functions that the manager will be able to access, the interfaces of the system, what the system will do, the constraints under which it must operate and how it will react to external stimuli. This document is intended for both users and developers of the system and will be submitted to the customer for approval.

1.2 Problem statement

A law office works as a representative of several condominium administration companies. These companies may have several hundreds tenants who rents their apartments and it's very common for those tenants to skip rental and administration payments of the condo. The administration company has its own information system, but the law office only receives a monthly report with the up-to-date debts for all condos and units.

The job of the law office is to look at the reports and find the tenants who are in debt for more than a certain time and notify them that they should contact the law office to settle their debts or expect to be sued. But having several companies as clients - each of them having several hundreds of tenants - can lead to a tremendous amount of labor, it's just not doable.

Each client will provide a monthly debt report with condo names, units in debt, tenants in debt, and debts information and the law office will use that report to import the data into the database.

Then, the system shall provide a screen to help the law office to easily find who's in debt, for how long they are in debt and how much they owe. That same interface shall allow the law office to choose the tenants to be notified. After choosing, the system shall generate all the notices and the envelope labels for mailing as PDFs.

After notifying the tenants, they may contact to negotiate a settlement or to pay the full amount. Then, the system shall provide a feature to mark those debts as paid.

2 Overall Description

2.1 Product Perspective

The Condo Management System is a new web-based application and does not depend or is a part of any other system. It has one actor: the manager. The manager needs a compatible web browser and internet access to access the system.

2.2 Software Interfaces

PostgreSQL will be used as a Database Management System for the Condo Management System.

Compatible web-browsers: Chrome, Firefox and Safari.

2.3 Product Functions

2.3.1 Create Client

Description

The manager creates a client (Condo Administration Company), entering information such as name, contact name, contact phone and address.

Rationale

This function will make the client available to the system in order to create the condominiums managed by this client. That will be necessary to import the debts and keep an organized record.

2.3.2 Edit Client

Description

The manager edits a client (Condo Administration Company), entering information such as name, contact name, contact phone and address.

Rationale

This function will make possible to edit the client information whenever the data's changed or it was entered incorrectly. That's necessary to keep an organized record.

2.3.3 Remove Client

Description

The manager removes a client (Condo Administration Company) from the system.

Rationale

This function will make possible to remove the client from the system if the client decide to cancel the contract with the law firm. That's necessary to keep an organized record.

2.3.4 Create Condo

Description

Rationale

2.3.5 Edit Condo

Description

Rationale

2.3.6 Remove Condo

Description

Rationale

2.3.7 Create Unit

Description

Rationale

2.3.8 Edit Unit

Description

Rationale

2.3.9 Remove Unit

Description

Rationale

2.3.10 Create Tenant

Description

Rationale

2.3.11 Edit Tenant

Description

Rationale

2.3.12 Remove Tenant

Description

Rationale

2.3.13 Create Debt

Description

Rationale

2.3.14 Edit Debt

Description

Rationale

2.3.15 Remove Debt

Description

Rationale

3 Other Nonfunctional Requirements

3.1 Performance Requirements

<If there are performance requirements for the product under various circumstances, state them here and explain their rationale, to help the developers understand the intent and make suitable design choices. Specify the timing relationships for real time systems. Make such requirements as specific as possible. You may need to state performance requirements for individual functional requirements or features.>

3.2 Safety Requirements

<Specify those requirements that are concerned with possible loss, damage, or harm that could result from the use of the product. Define any safeguards or actions that must be taken, as well as actions that must be prevented. Refer to any external policies or regulations that state safety issues that affect the product's design or use. Define any safety certifications that must be satisfied.>

3.3 Security Requirements

<Specify any requirements regarding security or privacy issues surrounding use of the product or protection of the data used or created by the product. Define any user identity authentication requirements. Refer to any external policies or regulations containing security issues that affect the product. Define any security or privacy certifications that must be satisfied.>

3.4 Software Quality Attributes

<Specify any additional quality characteristics for the product that will be important to either the customers or the developers. Some to consider are: adaptability, availability, correctness, flexibility, interoperability, maintainability, portability, reliability, reusability, robustness, testability, and usability. Write these to be specific, quantitative, and verifiable when possible. At the least, clarify the relative preferences for various attributes, such as ease of use over ease of learning.>

3.5 Business Rules

<List any operating principles about the product, such as which individuals or roles can perform which functions under specific circumstances. These are not functional requirements in themselves, but they may imply certain functional requirements to enforce the rules.>

4 Other Requirements

<Define any other requirements not covered elsewhere in the SRS. This might include database requirements, internationalization requirements, legal requirements, reuse objectives for the project, and so on. Add any new sections that are pertinent to the project.>