**SOFTWARE PRODUCT VISION**

**1. Introduction**

The purpose of this document is to collect, analyze, and define high-level needs and features of Condo360. It focuses on the capabilities needed by the stakeholders, and the target users, and why these needs exist. The details of how Condo360 fulfills these needs are detailed in the use-case and supplementary specifications. This document serves as an introduction to our vision, as well as an insight into the needs of stakeholders and users.

**2. Positioning**

**2.1 Problem Statement**

| The problem of | Inefficient condo management system |
| --- | --- |
| affects | condo owners, condo management companies |
| the impact of which is | Disorganized property management, financial inconsistencies, restricted access to property details, communication problems between resident and owners |
| a successful solution would be | An accessible, easy to use website with its phone application, to effectively manage condos for the resident and owners. |

**2.2 Product Position Statement**

| For | Condo owners and condo management companies |
| --- | --- |
| Who | Look for a complete and efficient solution to manage condo properties |
| The (product name) | Condo360 |
| That | Provides accessibility and effective property management by having various features like financial tracking and request handling. |
| Unlike | Manual condo management methods |
| Our product | Provides a user-friendly interface making interaction and navigation easy. It also improves productivity by centralizing all condo management activities within a software platform making it easy to track all activities and requests by condo owners and condo management companies. |

**3. Stakeholder and User Descriptions**

**3.1 Stakeholder Summary**

| **Name** | **Description** | **Responsibilities** |
| --- | --- | --- |
| Triet Pham | Team 7 TA | The stakeholder must ensure that all software requirements and interests are communicated with the team, while also validating the market demand for the system’s features. In addition, the stakeholder must also monitor and evaluate the progress of the project. The stakeholder must provide constructive feedback in order for the team to improve the software and meet stakeholder’s expectations. The stakeholder must also provide the necessary funds for the realization of this project. |
| Developer Team | Team 7 developers | The developers are responsible to communicate with the client and ensure that the system being developed meets the requirements. They need to ensure that the system is maintainable and monitor the project’s progress. The team will be working in an Agile framework and they will need to deliver an incremented running system each sprint. |

**3.2 User Summary**

| **Name** | **Description** | **Responsibilities** | **Stakeholder** |
| --- | --- | --- | --- |
| Condo management companies | Organization managing many condo properties and use the system to monitor and supervise their properties | * Manage profiles * Organize condo files * Enter detailed information about their services (parking, lockers, etc.) * Manage finances * Manage reservations and bookings * Assign roles to employees | Self-represented |
| Condo owners | Individuals who own condo units and use the system to manage their properties and access important information | * Access and manage property information * Monitor financial status * Submit requests for services and maintenance * Communicate with condo management companies for issues | Self-represented |
| Public users | Individuals who are potential condo owners who use the system to use condo services based on their ownership status | * Create their own profile * View property information * Submit requests regarding condo units or rental issues | Self-represented |
| Employees of condo management companies | Individuals who are assigned specific roles from the condo management companies. They use the system to handle daily operations and manage property-related activities. | * Daily operations * Handle financial tasks * Respond requests by condo owners * Communicate with condo owners | Self-represented |

**3.3 User Environment**

The four most important users of this system are the condo management companies, the condo owners, the public users and the employees of condo management companies. They have different responsibilities and tasks to complete and it will not be changing. Task cycle durations are different depending on the complexity of activity. The users can interact with the product both on PC and mobile devices. The task cycle has no set time limit; a user is free to browse the website for as long as they desire.

**3.4 Key User Needs**

| **Need** | **Priority** | **Concerns** | **Current Solution** | **Proposed Solutions** | |
| --- | --- | --- | --- | --- | --- |
| Efficient profile creation | High | Complex profile setup | Manual profile creation with paper forms | Simplified profile creation process with easy interface and reduced steps | |
| Efficient request handling | High | Delayed responses | Email or paper form submission | Implement a online ticket system | |
| Make a responsive design for the software to be accessible across many devices | Medium | Flexibility | None | Have proper CSS organization that allows for a flexible UI | |
| Simplified condo file management | High | Difficulty organizing and accessing files | Manual file organization | Develop digital form repository for easy organization and access | |

**4. Product Overview**

**4.1 Product Perspective**

The condo management system is an independent self-contained solution. It centralized all condo management features making it easy to manage properties. There are no external systems, components and interconnection. The system is designed to work independently and fulfill the needs of all the users who will interact with the software.

**4.2 Assumptions and Dependencies**

There are many factors affecting the features stated in the Vision document. The stakeholder feedback will influence the development of features to meet the user requirements. The goal is to develop a product tailored for the stakeholder’s needs. In addition, insufficient time and budget will impact the implementation of features. For these reasons, the Vision Document will be updated each sprint.

**5. Product Features**

There are many features to be developed for the condo management system. The Vision Document will state only the most important ones.

**5.1 Condo File Management**

The system shall let the condo management companies upload and organize condo files. This will centralize all file storage making it easy for access and management.

The documents uploaded are displayed in a table format displaying the document type, title, belonging type (property (Address) or corporate), the date it was uploaded, the name of the individual or department that uploaded the document, and its status (Pending Verification or Verified).

**5.2 Financial Tracking**

The system shall have financial tracking allowing the condo management companies and condo owners to record and monitor condo fees, operational budget and expenses accurately.

The finance page is separated into two main sections. The first listing all of the properties with their respective property address, unit number, type of transaction (expense or income), the transaction date, the type of transaction performed (employee salary, maintenance, etc.), description of the transaction, the amount of the transaction and its status (paid or pending).

The second section contains all of the budget-related information. (total budget, total income, total expenses, and remaining budget.

**5.3 Reservation System**

The system shall let condo management companies configure facility reservations. The condo owners will be able to book amenities like the gym or the pool.

The reservation page contains two main sections. The first displays all of the owner's current reservations in a table format with the option to cancel.

The second section displays all of the available facilities with the option to reserve them. Once the reserve option is clicked a popup allows the user to choose the date on a calendar system and place their reservation.

**5.4 Request Management**

The system shall let users submit different requests related to property management like maintenance issues to condo owners. This will make request handling and solving problems easier.

The condo owners can see a list of the requests submitted by users. The requests are very detailed and display crucial information to help the condo owner make a decision. They can update the request status by approving or denying it. The users are able to see the status of all of their requests.