Sprint 3 Release Plan

Table 1. User story points and priority of user stories that will be implemented in Sprint 3

User Story ID	User Story Points (USP)	Priority	Status
#41	3	High	TO DO
#43	3	High	TO DO
#44	5	High	TO DO
#48	12	High	TO DO
#49	5	High	TO DO
#50	11	High	TO DO
#51	2	Medium	TO DO
#52	8	Medium	TO DO
#53	4	Medium	TO DO
Total USP	53		

*The user stories (see below) only concern the web application. We decided to focus on completing the main website first before tackling the companion app.

**The User Story Points are approximately proportional to the expected number of hours a task should take (going from 1 to 5 for each task).

Sub-User Stories:

Public User

#41 - As a public user, I want to provide a registration key obtained from my condo management company to become a condo owner or renter in the system.
- Add a section for the condo key registration. (1 point)
- Implement validation for the registration key. (2 points)

Condo Owner

#43 - As a condo owner, I want to view the status of submitted requests, such as moving in/out requests, intercom changes, or reporting violations.
- Add a section for submitted requests in the user profile. (1 point)
- Implement the logic for requests' status. (2 points)

#44 - As a condo owner, I want to receive notifications about the latest activities in submitted or assigned requests.
- Implement an email notification system for submitted requests. (5 points)

Condo Management Company

#48 - As a condo management company, I want to send registration keys to unit owners or rental users for their dedicated units.
- Create the overview page for units (accessed from the properties page). (3 points)
- Create the details page for units (accesses from the units page). (3 points)
- Implement the logic to get properties for a company (fetching from the database). (2 points)
- Implement the logic to get units for a property (fetching from the database). (2 points)
- Implement the logic for unit details (fetching from the database). (2 points)

#49 - As a condo management company, I want to set up different roles for employees responsible for daily operations, finance, etc.
- Implement a building management page with information on the staff members and their roles. (2 points)
- Implement an edit page that lets the condo management company edit the staff information. (3 points)

#50 - As a condo management company, I want to set up the condo fee per square foot and per parking spot and calculate condo fees for each unit.
- Add a link to the parking page for a property. (1 point)
- Create a parking space overview page. (2 points)
- Implement the logic for the parking fee update. (2 points)
- Add fields to the unit table in the unit overview page. (1 point)
- Implement the logic for the unit field updates. (2 points)
- Implement the logic to return the total expense for a user. (2 points)
- Update the financial status of the user. (1 point)

Financial System

#51 - As a condo management company, I want to record operational budgets (collected condo fees) and costs.
- Add operational budget section in Finances page that include the monthly remaining budget (and collected condo fees) and expenses/costs (2 points)

#52 - As a condo management company, I want to enter costs for each operation.
- Add a page for the condo management company to enter new operation costs and the information on each expense. (3 points)
- Implement logic to calculate the month's remaining budget (2 points)
- Implement logic to calculate the month's total expenses (2 points)
- Update the budget section in Finances page (1 point)

#53 - As a condo management company, I want the financial system to generate an annual report showing all condo fees collected for a given year.
- Add button to generate annual report showing all condo fees collected for a given year. (1 point)

- Implement logic that calculates the annual condo fees and expenses. (2 points)
- Display the annual report as a popup window. (1 point)

Burndown Chart

Let's consider that we start working on March 4 and that the end of the sprint is March 20. The sprint duration is 16 days. Let's also subtract 4 days of weekend for a more realistic result.

Total Story Points = 3 + 3 + 5 + 12 + 5 + 11 + 2 + 8 + 4 = 53

Ideal Daily Burndown = Total Story Points / Sprint Duration = 53 / 14 ≈ 3.79

Therefore, we would ideally complete around 3.79 USP every day if we take only 2 days off.

The burndown chart below illustrates our expected progress rate.