

SOEN390 - Testing Plan Sprint 5

Sprint 4 Overview

What was done

We continued integration testing and unit testing for the backend functions and the frontend for the web application using Jest. This sprint, we focused on unit testing and integration testing of front-end elements. All authentication components were tested and a coverage of 80% was achieved.

Sprint 4 contained many new features and focus was on performing acceptance tests and writing acceptance test cards for all previous and new user story features.

Testing coverage

For the frontend tests, a coverage of 80% was achieved for elements tested.

| File | % Stmts | % Branch | % Funcs | % Lines | Uncovered Line #s |
|---|---------|----------|---------|---------|--------------------|
| All files | 83.82 | 85.15 | 81.66 | 83.45 | |
| components | 77.58 | 57.14 | 56.25 | 77.58 | |
| Navbar.jsx | 77.58 | 57.14 | 56.25 | 77.58 | 36-42,86-172,196 |
| components/Authentication | 94.96 | 94.11 | 100 | 94.77 | |
| CompanyLoginForm.tsx | 92 | 93.75 | 100 | 91.66 | 35-36 |
| CompanySignupForm.tsx | 95.23 | 90.9 | 100 | 95 | 56-57 |
| Login.tsx | 100 | 100 | 100 | 100 | |
| SignUp.tsx | 100 | 100 | 100 | 100 | |
| UserLoginForm.tsx | 92 | 93.75 | 100 | 91.66 | 35-36 |
| UserSignupForm.tsx | 95.23 | 96.96 | 100 | 95 | 53-54 |
| components/EditProfile/src/components/Content | 58.18 | 20 | 60 | 58.18 | |
| AccountSettings.jsx | 45.23 | 20 | 42.85 | 45.23 | 25-36,47-72,87-108 |
| Actions.jsx | 100 | 100 | 100 | 100 | |
| Content.jsx | 100 | 100 | 100 | 100 | |

For the backend integration testing, a coverage of 80% was achieved for elements tested.

| File | % Stmts | % Branch | % Funcs | % Lines | Uncovered Line #s |
|--------------------------------|---------|----------|---------|---------|-------------------|
| All files | 94.18 | 85.71 | 100 | 94.04 | |
| login.ts | 97.14 | 88.88 | 100 | 97.14 | 81 |
| signup.ts | 92.15 | 80 | 100 | 91.83 | 79,136-140 |
| Test Suites: 2 passed, 2 total | | | | | |
| Tests: 15 passed, 15 total | | | | | |

Acceptance Testing

User acceptance testing was performed at the end of the sprint to ensure that all features implemented respect the requirements outlined in the project files. Here are the acceptance tests:

AT - 1

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| Related User Story | #2 As a public user, I want to upload a profile picture during account creation, so my profile feels personalized. (3 USP) sprint 2 user story |
| Related System Tests | Unit testing |
| Acceptance Criteria | <ol style="list-style-type: none">1. User clicks on their profile2. User clicks “add profile image”3. User adds profile image4. Image is added as their profile picture |
| Label | Open |
| Comments | On mobile |

AT-2

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| Related User Story | #3 As a condo management company, I would like to be able to send out registration keys to users so their account can be linked to their housing (3 USP) user story |
| Related System Tests | Unit testing |
| Acceptance Criteria | <ol style="list-style-type: none">1. Condo company clicks on a unit2. Company clicks on “generate key”3. A registration key is generated |
| Label | Closed |
| Comments | On web-app |

AT 3

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| Related User Story | #4 As a condo management company, I would like my properties to be linked to a unique property key to be used by condo renters and condo owners as a registration key (2 USP) user story |
| Related System Tests | Unit testing |
| Acceptance Criteria | 1. Condo company clicks on a unit 2. Company clicks on “generate key” 3. A unique registration key is generated |
| Label | Closed |
| Comments | |

AT-4

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| Related User Story | #5 As a condo owner, I would like to have a good view (dashboard) of my properties to be able to manage them and keep track of issues (4 USP) sprint 2 user story |
| Related System Tests | Unit testing |
| Acceptance Criteria | 1. User clicks on “dashboard” 2. Use can see their properties on their dashboard 3. If the user doesn’t have any properties, nothing is displayed. |
| Label | Closed |
| Comments | |

AT-5

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| Related User Story | #6 As a public user, I would like to be able to create a profile to access the condo management platform (USP 3) sprint 3 user story |
| Related System Tests | Integration testing, unit testing |
| Acceptance Criteria | 1. A user clicks on “Create an Account” on the home page 2. A user creates their accounts by entering their credentials 3. A user can log in to their profile |
| Label | Closed |
| Comments | |

AT-6

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| Related User Story | #7 As a condo management company, I want to be able to create properties under our management to be able to view and manage the data related to them (4 USP) sprint 2 user story |
| Related System Tests | Unit testing |
| Acceptance Criteria | 1. A condo management company clicks on “view dashboard” 2. They click on “Add property” 3. They enter all the property details and click on “Add Property” again 4. The property is now on their dashboard |
| Label | Closed |
| Comments | |

AT-7

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| Related User Story | #10 As a condo management company, I want to be able to enter a condo fee per square foot and per parking spot to be calculated and presented to unit owners. (4 USP) user story |
| Related System Tests | Unit testing |
| Acceptance Criteria | <ol style="list-style-type: none">1. A condo management company clicks on “view dashboard”2. They click on “Add property”3. They enter all the property details such as condo fee per square feet and click on “Add Property” again4. The property is now on their dashboard |
| Label | Closed |
| Comments | |

AT-8

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| Related User Story | #11 As a condo management company, I want to be able to enter the cost for each operation for the financial system to generate an annual financial report (5 USP) user story |
| Related System Tests | Unit testing |
| Acceptance Criteria | <ol style="list-style-type: none">1. A condo management company clicks on “dashboard”2. They click on “Financial System”3. They can enter costs for each operation4. They click “Confirm” |
| Label | Open |
| Comments | |

AT-9

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| Related User Story | #12 As a user of the condo management system, I would like to sign in to the condo management system to be able to use the features related to my user type (USP 4) sprint 1 user story |
| Related System Tests | Integration testing, Unit testing |
| Acceptance Criteria | <ol style="list-style-type: none">1. A user clicks on “Create an Account” on the home page2. A user creates their accounts by entering their credentials3. A user can log in to their profile |
| Label | Closed |
| Comments | Same as AT-5 |

AT-10

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| Related User Story | #14 As a condo management company, I want to be able to submit requests to the relevant employees, so that pressing issues can be resolved quickly. (3 USP) user story |
| Related System Tests | - |
| Acceptance Criteria | <ol style="list-style-type: none">1. As a condo management company, click on “dashboard” from the dropdown menu2. Click on “employee list” from dashboard3. Assign requests by employee ID |
| Label | Open |
| Comments | |

AT-11

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| Related User Story | #18 As a public user, I need to enter a registration key from my condo management company so that i can register as a rental user, gaining access to relevant functionalities. (2 USP) user story |
| Related System Tests | Unit test |
| Acceptance Criteria | <ol style="list-style-type: none">1. User navigates to their profile through the dropdown in the navbar2. User clicks on “Link Condo”3. User enters code and click “Link”4. The condo unit is now linked to them |
| Label | Closed |
| Comments | |

AT-12

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| Related User Story | #20 As a condo management company, I want to set up different roles for employees responsible for the same property so that tasks can be efficiently distributed and managed. (2 USP) sprint 3 user story |
| Related System Tests | |
| Acceptance Criteria | |
| Label | Open |
| Comments | |

AT-13

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| Related User Story | #21 As a condo owner planning to move out, I need to be able to schedule elevator time for moving through the app, ensuring that I can secure the date and time without having to physically visit the management office or make phone calls. (3 USP) sprint 3 user story |
| Related System Tests | |
| Acceptance Criteria | |
| Label | Open |
| Comments | |

AT-14

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| Related User Story | #22 As a condo management company with multiple properties, I want the ability to toggle between the dashboards of each property within the app, so I can easily manage and keep track of the status, requests, and financial information of all my units without having to log in separately for each one. (5 USP) |
| Related System Tests | |
| Acceptance Criteria | |
| Label | Open |
| Comments | App only |

AT-15

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| Related User Story | #24 As a public user, I need to enter a registration key from my condo management company so that I can register as a condo owner, ensuring verified access to owner-specific features. (2 USP) user story |
| Related System Tests | Unit test |
| Acceptance Criteria | <ol style="list-style-type: none">1. User navigates to their profile through the dropdown in the navbar2. User clicks on “Link Condo”3. User enters code and click “Link”4. The condo unit is now linked to them |
| Label | Closed |
| Comments | |

AT-16

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| Related User Story | #25 As a condo management company, I would like to be able to generate registration keys so that i can send them to users for their authentication (1 USP) user story |
| Related System Tests | - |
| Acceptance Criteria | - |
| Label | Closed |
| Comments | Duplicate |

AT-17

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| Related User Story | #27 As a condo management company, I would like to be able to have a dashboard that displays all the functionalities available to me , so that i can easily navigate through them and have a general overview . (3 USP) sprint 2 |
| Related System Tests | Unit test |
| Acceptance Criteria | 1. As a condo company, click on “Dashboard” from the navbar 2. It should bring you to your dashboard |
| Label | Closed |
| Comments | |

AT-18

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| Related User Story | #40 As a condo owner, I would like to view my requests that are assigned, created and finished (USP 3) sprint 4 user story |
| Related System Tests | Unit test |
| Acceptance Criteria | 1. As a user, click on “Dashboard” 2. Click on “View Requests” 3. Assigned, created, and finished requests will show as a list |
| Label | Closed |
| Comments | |

AT-19

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| Related User Story | #41 As a condo management company, I would like to view all open requests that my condo owners have created to properly attend to them. (USP 3) sprint 4 user story |
| Related System Tests | - |
| Acceptance Criteria | 1. As a user, click on “Dashboard” 2. Click on “View requests” 3. View all the requests |
| Label | |
| Comments | Condo Manager side of AT-18 |

AT-21

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| Related User Story | #43 As a public user i would like to be able to pay my balance for my condo. (2 USP) user story |
| Related System Tests | - |
| Acceptance Criteria | - |
| Label | Closed |
| Comments | Automatic Financial System Not planned |

AT-22

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| Related User Story | As a user, I want to be able to quickly navigate between my profile and dashboard using the navbar (2USP) user story |
| Related System Tests | Unit test |
| Acceptance Criteria | <ol style="list-style-type: none">1. Click on profile Icon on the navbar available throughout the website2. Click on the dropdown3. Click on "Profile"4. Redirects to profile |
| Label | Closed |
| Comments | |

AT-23

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| Related User Story | #54 As a condo management company, I want to be able to edit properties under our management to be able to view and manage the data related to them (4 USP) sprint 3 user story |
| Related System Tests | Unit Test |
| Acceptance Criteria | <ol style="list-style-type: none">1. As a condo management company, click on "Properties" on the dashboard2. Select your property from the properties dashboard3. Click on "Edit"4. Edit the relevant information from the property5. Click "Save"6. Changes are updated |
| Label | Closed |
| Comments | |

AT-24

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| Related User Story | #68 As a public user, I would like to be able to have a landing page that displays all the functionalities available to me , so that i can easily navigate through them and have a general overview . (2 USP) |
| Related System Tests | - |
| Acceptance Criteria | 1. As a user, click on “Dashboard” from the dropdown menu on the navbar 2. Navigate to dashboard |
| Label | Closed |
| Comments | |

AT-26

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|-----------------------------|---|
| Related User Story | #81 As a condo management company, i would like to see all units associated to my property so that i can manage them (USP 3) sprint 4 user story |
| Related System Tests | - |
| Acceptance Criteria | 1. As a condo management company, click on “properties” from your dashboard 2. All properties owned will display. Click “View” on the property to view its units 3. All the units of the property will now display |
| Label | Closed |
| Comments | |

Testing Plan for Sprint 5

Sprint 5 Unit tests

For sprint 5, we plan on finishing the tests for features implemented during Sprint 4, such as registration key generation, condo unit generation, the financial system, and the editing system.

Sprint 5 Integration tests

For sprint 5, we plan on testing all backend-frontend communications for features implemented during Sprint 4, which include adding and editing a listing and adding employees. Furthermore, testing for features implemented during Sprint 4 is expected to be done, which will include features such as requesting a key, requesting a ticket, reserving amenities, etc.

Sprint 5 System testing

As the project wraps up, Sprint 5 will focus on system testing and finishing the user acceptance testing for all features. There will be functional testing of requirements, database testing, and API testing. Tools such as Postman will be used for API testing