

# SOEN390 - Testing Plan Sprint 4

## Sprint 3 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 3 contained a database overhaul which led to many tests implemented during Sprint 2 to fail, especially those involving backend integration testing. Thus, a substantial amount of effort was dedicated to fixing the broken tests.

### 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. Acceptance tests include: A user creating an account as a Public User, going through their dashboard, and being able to edit their profile. A user can also create an account as a Management Company, go through their properties dashboard, create a new property, edit their existing properties, and edit their profile.

For the features implemented during Sprint 3, user acceptance testing passed.

## **Testing Plan for Sprint 4**

### **Sprint 4 Unit tests**

For sprint 4, we plan on testing all of the frontend elements implemented during Sprint 3, which include the employee listing, adding units to a property, and the condo listing.

### **Sprint 4 Integration tests**

For sprint 4, we plan on testing all backend-frontend communications for features implemented during Sprint 3, which include adding and editing a listing, editing a user profile, and adding employees. Furthermore, testing for features implemented during Sprint 3 is expected to be done, which will include features such as requesting a key, requesting a ticket, reserving amenities, etc.