SOEN390 - Testing Plan Sprint 3

Sprint 2 Overview

What was done

We began integration testing and unit testing for the backend functions and the frontend for the web application using Jest. The login and logout functions were tested using integration testing and the frontend elements were tested for correct rendering. Due to the unexpected length of development and testing, not all features implemented during Sprint 2 were tested.

Additionally, a CI/CD pipeline was established to run tests and check for build errors on each push.

Testing coverage

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

File	% Stmts	% Branch	% Funcs	% Lines	Uncovered Line #s
All files	80	100	66.66	80	
Navbar.jsx	80	100	66.66	80	21

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
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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. For the features implemented during Sprint 2, user acceptance testing passed.

Testing Plan for Sprint 3

Sprint 3 Unit tests
For sprint 3, we plan on testing all of the frontend elements implemented during Sprint 2, which include the user and company dashboard, the employee listing, and the condo listing.

Sprint 3 Integration tests
For sprint 3, we plan on testing all backend-frontend communications for features implemented during Sprint 2, which include the dashboard, 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.