

SW Engineering CSC 648/848
Section 04, Team 02
Milestone 4 Documentation
Fall 2023

Project Name: Beehive

Team Members:

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1) QA Testing:

i. Unit Testing

- **5 P1** features to test:
 1. Messaging
 2. Job Posting
 3. Regular Posting
 4. Authentication
 5. Registration
- Analyze functional and statement test coverages:

Test Suites: 1 failed, 4 passed, 5 total

Tests: 1 failed, 7 passed, 8 total

Snapshots: 0 total

Time: 15.951 s, estimated 17 s

1. Messaging: Messaging works with 100% functionality. Users can message in between each other provided they are on different devices.
2. Job Posting: Testing works with 100% functionality. Users can press a button to make a job post, submitting it will keep the post in the database, useful for looking later.
3. Regular Posting: Fails due to “multer diskStorage › should store files in the correct directory and generate the correct filename”. Active fix currently in progress.
4. Authentication: Testing works with 100% functionality. Users can create an account by submitting their chosen email with password and username. Using the credentials will grant access to the website and all its features. Authentication will compare passwords between users to avoid duplication.

5. Registration: Registration works with 100% functionality. Users can register for an account for the website. Users can use their credentials to enter the website.

ii. Integration Test

See **integrationTest.xlsx** for integration test.

2) Coding Practices:

i. Coding Style

- Describe the coding style we chose & how we enforced it:
 - The coding style we chose to follow for this project was the [Google JavaScript Style Guide](#), as most of the project we had been following this specific style anyway.
 - Guidelines for coding in this specific style include but are not limited to:
 - Files must be either in camelCase or lowercase with under_scores.
 - Do not import the same file multiple times. This can make it hard to determine the aggregate imports of a file.
 - symbols imported via the named import (`import {name}`) should keep the same name. Avoid aliasing imports.
 - Braces are required for all control structures (i.e. `if`, `else`, `for`, `do`, `while`, as well as any others), even if the body contains only a single statement. The first statement of a non-empty block must begin on its own line.
- List source code files to **5 P1** features that demonstrate the coding style:
 - jobs.js - ../beehive/expressSrc/routes/jobs.js
 - auth.js - ../beehive/expressSrc/routes/auth.js
 - message.js - ../beehive/expressSrc/routes/message.js
 - friends.js - ../beehive/expressSrc/routes/friends.js