

How test cases of different levels (frontend, backend units, integration) are organized.

- The frontend test cases are organized to test each web page, and every function on each webpage. The backend test cases must test each method individually. The integration cases will test all instances of the frontend accessing backend methods.

The order of the test cases (which level first which level second).

- The test cases for backend will be run first, then frontend, and finally integration. This is the order because frontend relies on backend to be working properly, and integration relies on both frontend and backend.

Techniques and tools used for testing.

- Techniques: Requirement partitioning, unit testing, integration testing, functionality coverage testing, mocking
- Tools: selenium, pytest

Environments (all the local environment and the cloud environment) for the testing.

- Windows/Mac OS, Chrome browser

Responsibility (who is responsible for which test case, and in case of failure, who should you contact)

- Will is in charge of the frontend test cases. Adam is in charge of the backend test cases. Tanner is in charge of the integration test cases.

Budget Management (you have limited CI action minutes, how to monitor, keep track and minimize unnecessary cost)

- The best way to minimize any unnecessary costs is by reducing time wasted fixing bugs late into the development cycle. This is done by having the testing cover as much of the project as possible.

