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Test Strategy

**Introduction**

This strategy outlines what quality provides to the project, what type of testing is done, and how testing is carried out. The aim is to ensure quality in the production version of the app to deliver a great experience for our users.

During first phase, “Logbook” view and “Login” feature will be tested in different scenarios with test automation framework and in next phase, Continuous Integration will be implemented using Jenkins and other features and workflows will be tested.

**References**

* Web App to be tested: <https://www.cavokapp.com/>
* GitHub repository: <https://github.com/sreejeshbhattarai/cavokapp-test.git>
* OneDrive: <https://oamk-my.sharepoint.com/:f:/r/personal/t5bhsr00_students_oamk_fi/Documents/Learning_Test_Automation/cavokapp-test?csf=1&e=D8wG6x>
* Robot Framework for automated tests: <https://robotframework.org/>
* SeleniumLibrary: <https://github.com/robotframework/SeleniumLibrary/>
* SeleniumLibrary keyword documentation:

<http://robotframework.org/SeleniumLibrary/SeleniumLibrary.html>

**QA Deliverables**

* Test plans for each feature with different scenarios.
* Autogenerated Test Results (Test log, Test Output, Test Report)
* Screenshots of the test steps which failed.

**Test Management**

* Tests will be carried out on local machine during first phase with Robot Framework and it’s external library “SeleniumLibrary” on the production version of the app.
* PyCharm IDE will be used to create new test project, write tests and run them from it’s built in terminal.
* Automated tests are run on chrome by default but Microsoft Edge and Mozilla Firefox will also be tested on.
* “Results” directory will include all the test outputs, logs and reports.
* Attached Test Cases document.
* Platform: Windows 10 64-bit
* Test Data:

**User Accounts**

|  |  |
| --- | --- |
| **Email** | **Password** |
| cj.sreejesh@gmail.com | testuser1 |

**Scope of Testing**

* Functional tests.
* Automated UI tests for high-level workflows.
* Written after production.