

Scope of the Code test for QA is to create a selenium project and create 3 test.

This project scope has been completed by creating 2 main feature descriptions including 3 scenarios:

- Login using UI (1valid 2 Invalid)
- Search and load game in casino (6 games variances)
- Login Using API (1 valid)

The above can be considered as a proof of concept which will be used to scale QA tests within Pixel Bet addressing tests functional and non functional for Web UI and API. (client and admin)

Requirements to run the test project:

- Windows 10
- Chrome

To Run automated test:

Requirements:

- OS: Windows 10
- IDE: IntelliJ
- Chrome: 97.0

Plugins:

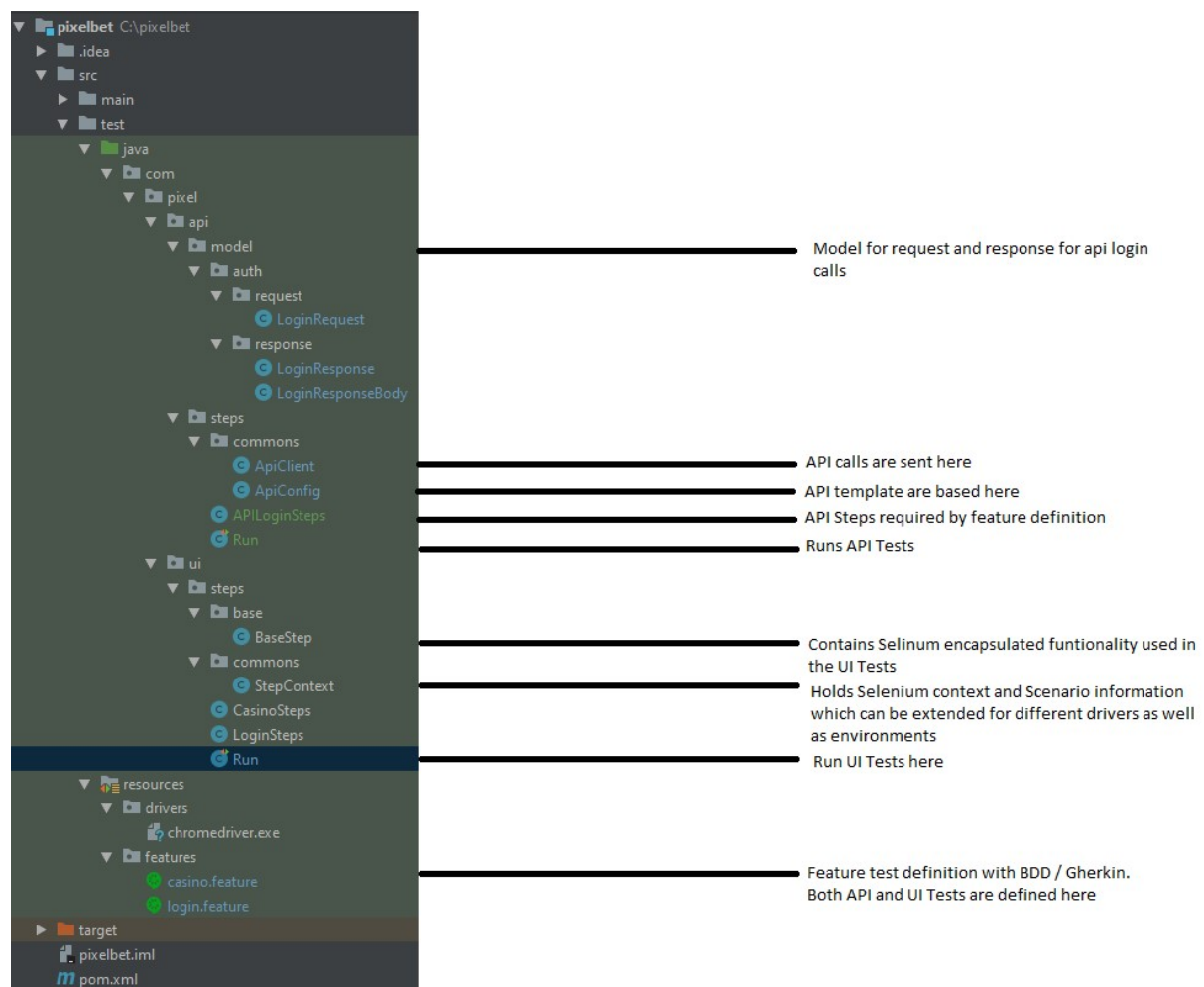
- Cucumber for Java
- Gherkin

Technology used:

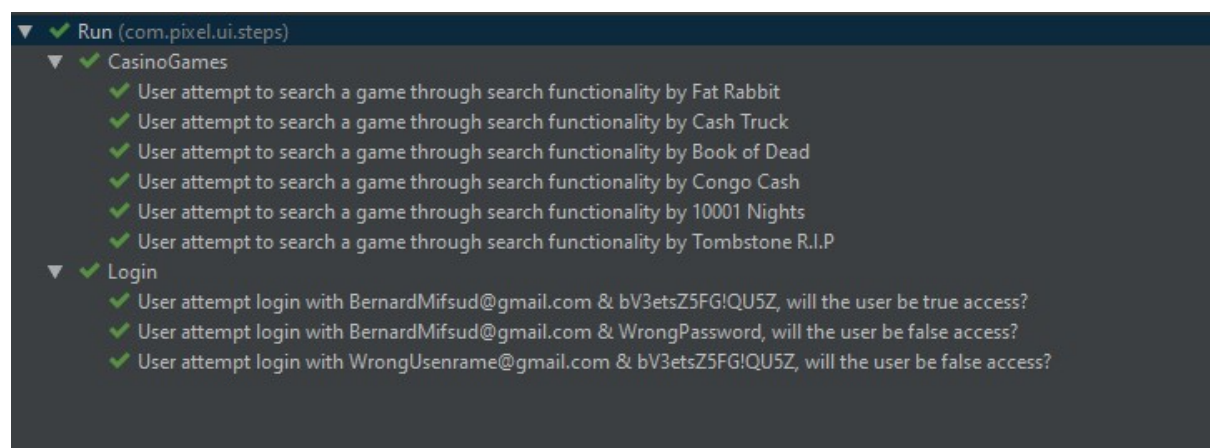
- Cucumber for BDD Definitions using Gherkin
- Selenium for web automation (only chrome for now)
- Spring boot (web and context) for API Testing and Context loading

Follow below structure to run tests

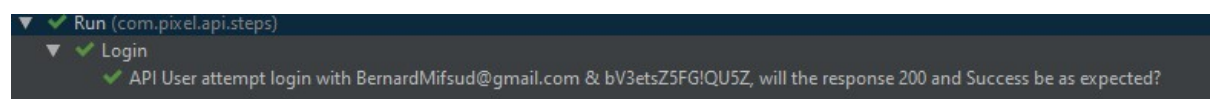
Run the run classes separately for API and UI test



Run UI Results



Run API Results



Further improvements:

- Multiple web drivers including Firefox and IE
- Create User Model
- Resizing Window size to test mobile accessibility
- Unique user data model that is created from API for session independence. This allow tests to be more realistic.
- Running the test from CLI using mvn test which will be used for CI Integration after build has been confirmed and run on tests/staging server.
- Multi-Threading for parallel testing for UI and API flows.
- Reduce testing time
- Test result reporting which will be included in CI/CD pipeline
- Pickle report for auto documentation of test scenario

Plan for the first month working @PixelBet

First Week

- Running the system locally
- Setting up early test locally

Second Week

- Discuss E2E and API Test integration with CI/CD
- Discussions of functionality priority
- Discussions of QA Integration with Development Process including
 - Ongoing development
 - Releases and Dates
 - Functionality Pipeline
 - Hot Fixes and urgent releasing

Third week → going forward

- Definition of Smoke Test
- Definition Test plan for upcoming months
 - Documentation
 - Implementation