**RTP Web Automation Framework**

RTP test automation framework is a reusable automation framework with Page Object Model design using Java + Cucumber + Maven + TestNG. Framework follows many of the industry best practices.

This framework supports automation of: -

\*Web Browser Automation.

**Feature Files:**

These files contain the acceptance criteria which are written in Gherkin Language and contains various scenarios.

The feature files are tagged with "@tagname" to group common feature files

File Extension: \*.feature

Location: [\\src\test\resources\features](file:///\\src\test\resources\features)

**Step Definitions:**

Every step defined in Feature file needs to be implemented in Step Definitions Class

Location: [\\src\test\java\\steps](file:///\\src\test\java\\steps)

**Page Objects:**

Page Objects are used to store the Web Elements for a Web Page. A good practice is to have a separate class/property for every single Webpage.

Location: [\\src\main\\java\\pageobjects](file:///\\src\main\\java\\pageobjects).

**Run Test Suite**

Test Suites are used to run a group of Tests which are tagged and represented in form of Feature files & Scenarios. (Created testNG.xml under root folder).

Associated Runner Location: [\\src\test\java\](file:///\\src\test\java\com\cucumb)\Runners

**Key Features:**

1. **Generic selenium helpers**
2. **Generic Java helpers**
3. **Synchronization (waits before or after performing actions)**
4. **Excel utilities**
5. **Data table support**
6. **Customised Reporting using extent reporting.**
7. **Context features (Adding and retrieving data dynamically)**