

Automated Testing Demo



Technical Specifications

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Executive Summary

Demo is created to perform testing of front end application using tools such as

- ❖ Maven
- ❖ Java
- ❖ Selenium
- ❖ Serenity

Execution results provides time duration at every step which can be used as a measuring gauge of daily performance of the application.

Architecture

- ❖ Dependency management and build lifecycle is managed using Maven
- ❖ Behaviour Driven Development (BDD) Test framework is created for automated UI testing.
Jbehave/Cucumber is used for BDD in this framework.

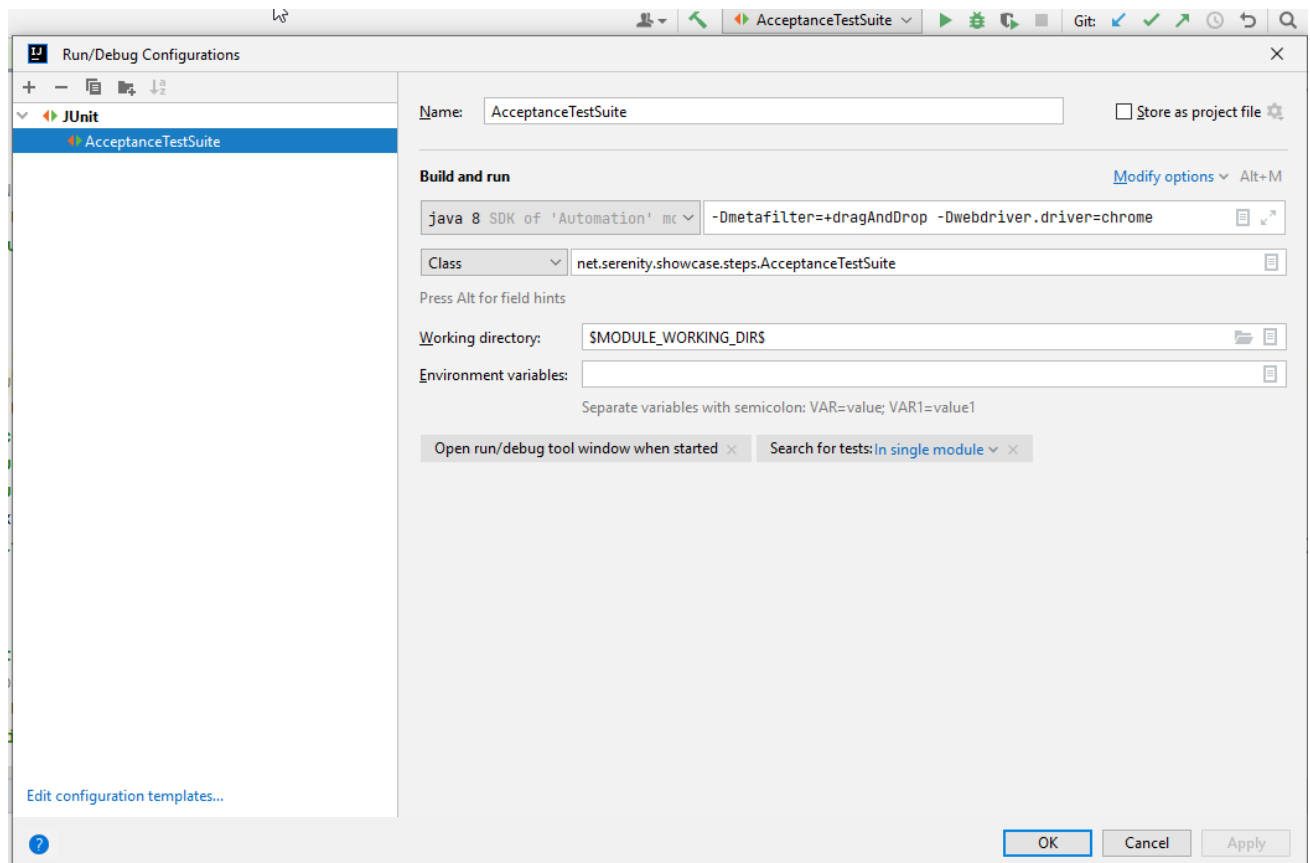
Project Details

- Used page object model

- The framework is in src folder and uses following packages:
 - src/main/java/pages : It contains page files
 - src/main/java/utils : It contains constants to store default values and util file to store common utilities
 - src/main/resources : It contains properties files to store element IDs/Xpath
 - src/test/java : It contains driverTestSuite which stores before and after scenario methods. It also contains step files
 - src/test/resources : It contains story files and test data.
- Log4J is used for logging mechanism
- Code is written such that each function gives brief description on what it does
- Parameterization is implemented to utilize different values of input data

Execution Steps

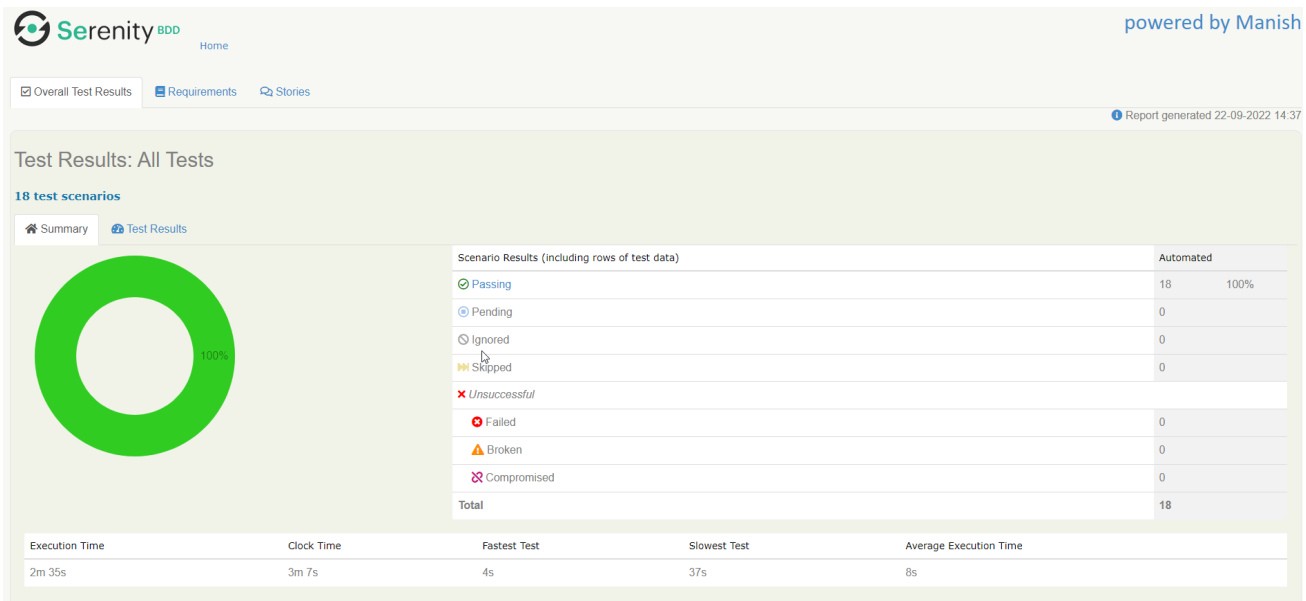
- IDE Execution : Create a junit file and execute “Acceptance Test Suite” by passing a meta tag. Screenshot below



- Local Execution : Execution .bat file on windows and .sh file on linux

Sample Results

- Please unzip attachment “sample-results.zip”
- Open index.html for detailed report with screenshots
- Open serenity-summary.html for single page emailable report



Serenity Summary Report

100%

18 tests executed on Thursday September 22 2022 at 14:33

Passing	18	Pending	0	Ignored	0
Failing	0	Broken	0	Compromised	0
Total test execution time		Total clock time		Average test execution time	
2m 35s		3m 7s		8s	
				Max test execution time	
				37s	
				Min test execution time	
				4s	

Functional Coverage

Feature

Category	Tests	Pass	Results
Automated Tests	18	100%	18

Note : Please unzip attachment before viewing to ensure html files are displayed correctly.
Do not view directly from the zip file.