

INTRODUCTION:

This document deals with high information related to Automation Framework implemented for BBlog and how to run the test cases that were automated as part of Backbase QA assignment.

FRAMEWORK INTRO:

Automation of Bblog website is done by means of Selenium Framework using Java with integration of Maven, TestNG and Extent Reports.

MODULE AND TESTCASES:

Selected 'Favorite Articles' module for writing and automating the test cases. Test cases were written in excel (*BBlog_FavArticle_TestCases.xlsx*) and can be found in 'Test Artifacts' folder along with this documentation.

HOW TO RUN TESTCASES:

Running of test cases can be done by following ways,

1. Running via command line after changing directory to the folder where this project exists.
(preferred way)

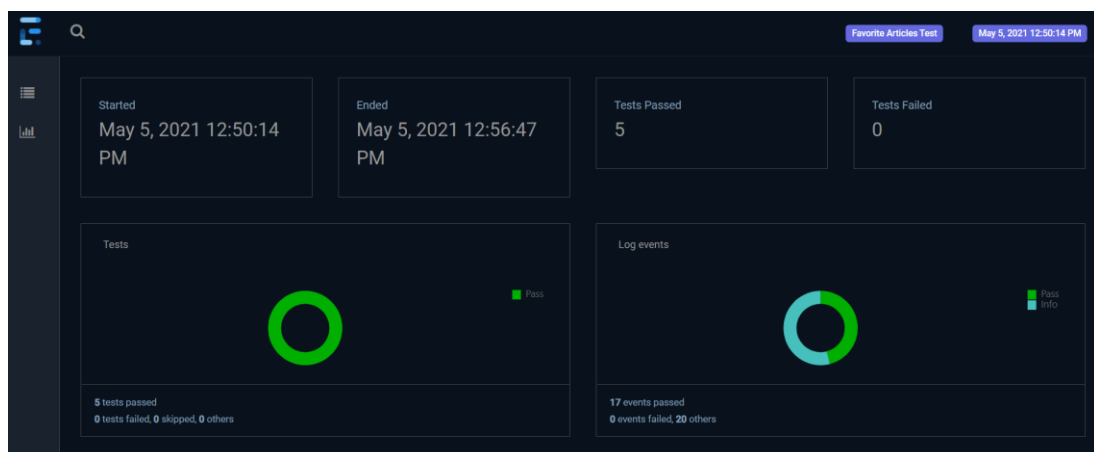
`mvn clean install (or) mvn clean verify (or) mvn test`

2. Running each test class or testng.xml by right clicking in eclipse IDE and selecting "run as testNG test"

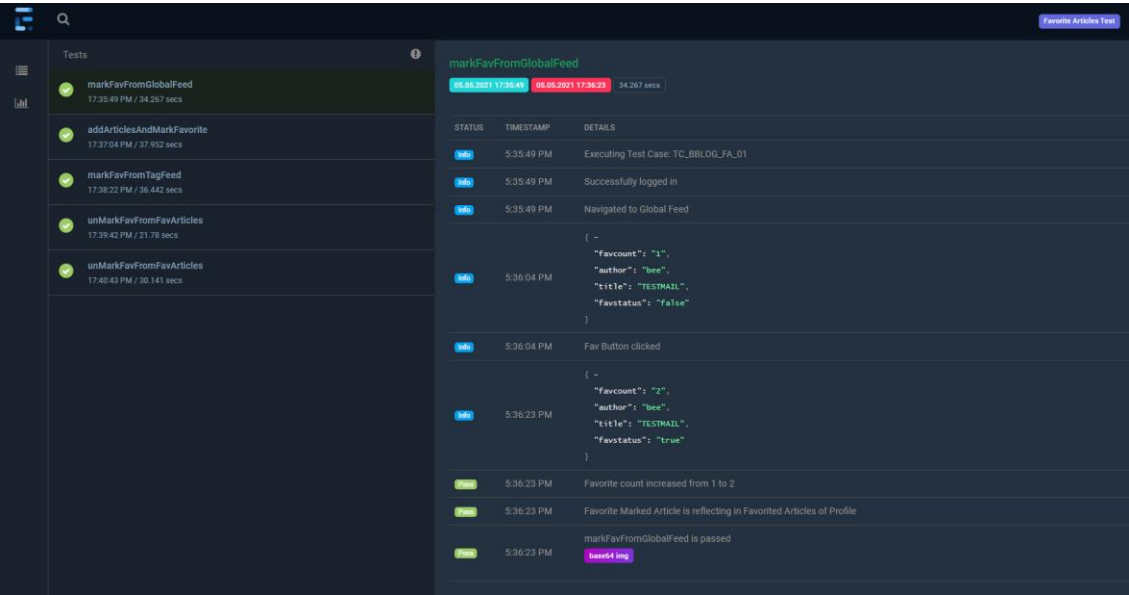
REPORTS OF TESTS EXECUTED:

Automatically after tests are executed a report which looks as below will be opened in your default browser. Integrated Extent Reports 5 and used their capabilities for generating reports with logs and screenshots in case of failed tests.

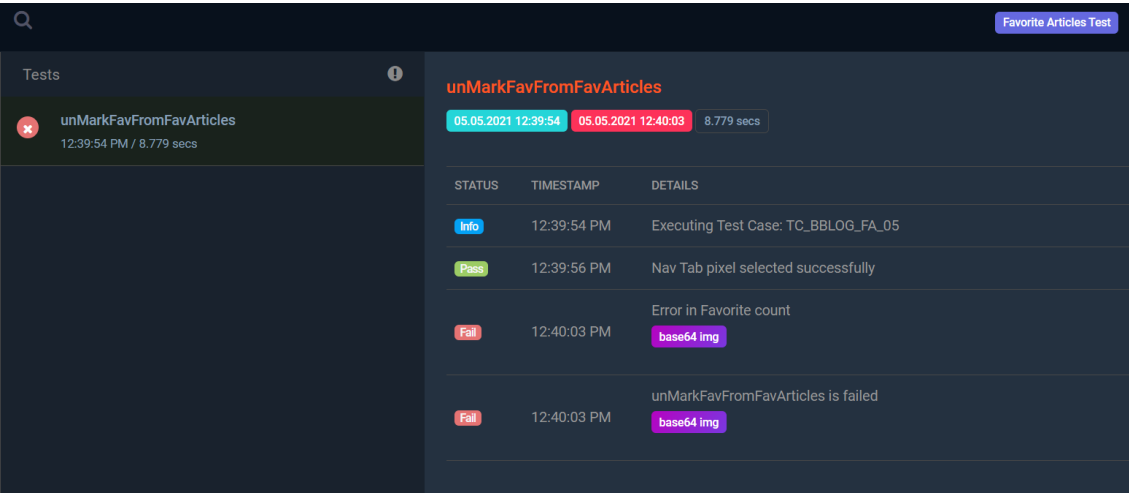
Dashboard:



Individual Test Case log with screenshots in base64 format:



Failed Test Case log along with screenshots in base64 format:

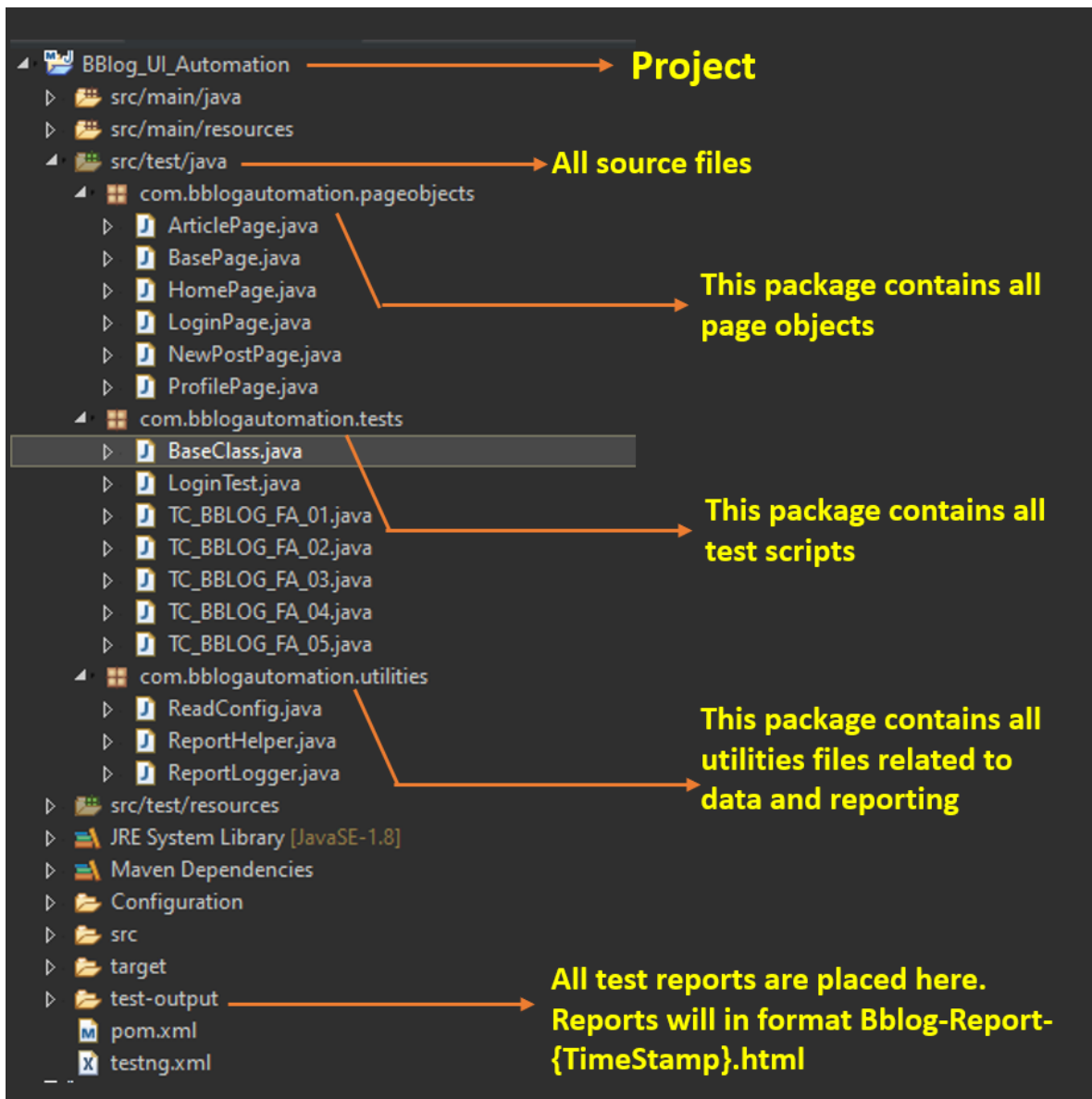


DEPENDENCIES & PLUGINS USED:

- 1. Selenium Java
- 2. TestNG
- 3. Extent Reports
- 4. WebDriverManager
- 5. Maven SureFire Plugin
- 6. Maven Compiler Plugin

PROJECT DIRECTORY INFO:

The subsequent image show the basic structure of the folders and packages that is followed to design the project



NON FUNCTIONAL SYSTEM REQUIREMENTS:

Below are some of the requirements for running tests

1. Maven (v 3.6.3)
2. Java 1.8
3. Google Chrome latest version