

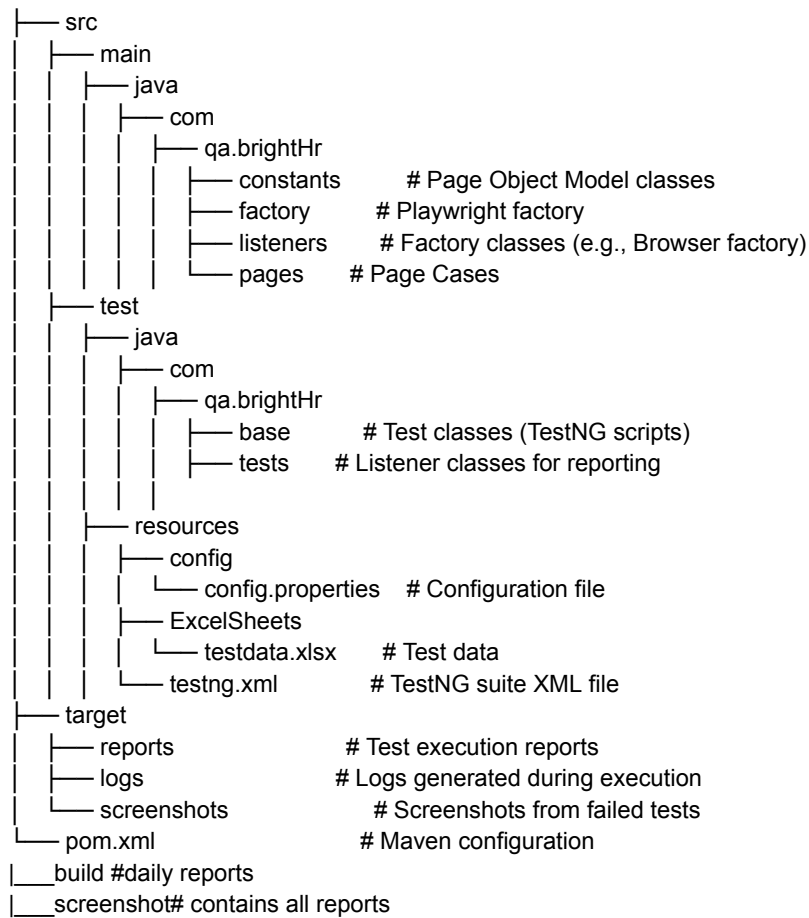
Automation Project File Structure

Git repository :

<https://github.com/ArtiLohar/BrightHRProject1>

Source code	src/main/java	Holds all the important utilities for test cases
@BeforeTest & @AfterTest	src/test/java/base	Contains init and tear down methods
Test Files	src/test/java/tests	Contains all the test methods
Config files	src/test/resources/config/config.properties	Contains all the main details like URL, username, password, headless
Test Data -ExcelSheets	src/test/resources/ExcelSheets	Contains all the test data to add new employee
playwrightFactory	src/main/java/factory/playWrightFactory.java	Contains common methods like : initBrowser, multi browser setup, readPropertyFiles, readExcelfiles, takeScreenshotMethod
Listener class	src/main/java/Listeners/ExtentReportListener.java	Contains all the essential methods to take action as per the test results Like Screenshot capture, report generation, etc.
Pages classes	src/main/java/Pages	Contains all the page classes of POM implementation I have added 5 pages as per the requirements : AddMultipleEmployeesPage.java DashboardPage.java EmployeeHubPage.java HomePage.java LoginPage.java
Contents	src/main/java/constants	Contains all the details with the keyword final so that no one should be able to change it
Build folder	TestExecutionReport.html	It holds all the details of the recent execution of the testng.xml suite.
Screenshot folder		It contains all the screenshots of the latest execution, which later gets added to the extent report
pom.xml		Holds all the dependencies needed for the project

		Theonese which i used are : Playwright for Automation testNg for unit testing Apache POI foExcelel reading Avent STrack for report surefirePlugin for test suite execution through pom.xml



Jenkins execution results

localhost:8081/job/BrightHR_PlaywrightProject/

Jenkins

Dashboard > BrightHR_PlaywrightProject >

Status

Changes

Workspace

Build Now

Configure

Delete Maven project

Modules

Rename

Builds

Filter

Today

#2 3:51 AM

#1 3:47 AM

Maven project BrightHR_PlaywrightProject

This job contains the basic playwright+java code execution

Latest Test Result (no failures)

Permalinks

- Last build (#2), 8 hr 15 min ago
- Last stable build (#2), 8 hr 15 min ago
- Last successful build (#2), 8 hr 15 min ago
- Last completed build (#2), 8 hr 15 min ago

Test Result Trend

1

0.5

#1

#2

Passed

Skipped

Failed

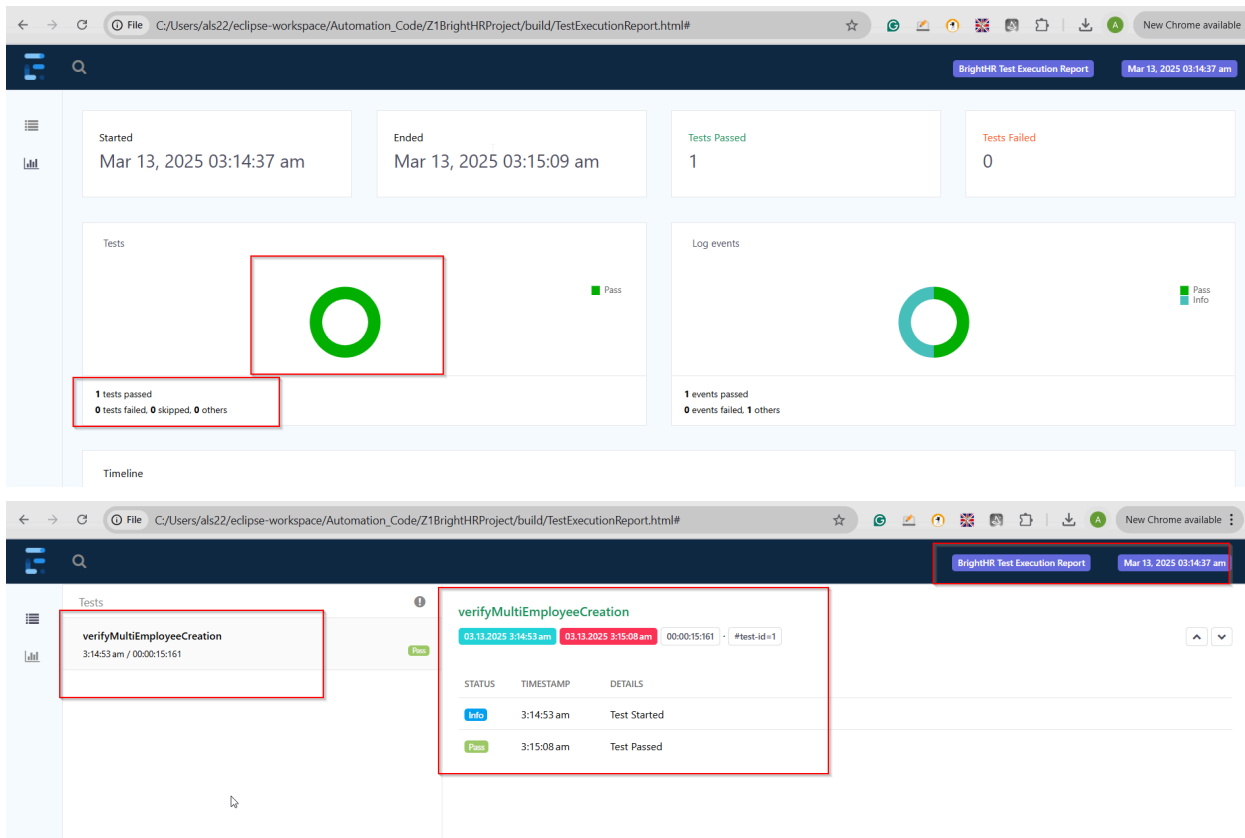
REST API

Jenkins 2.501

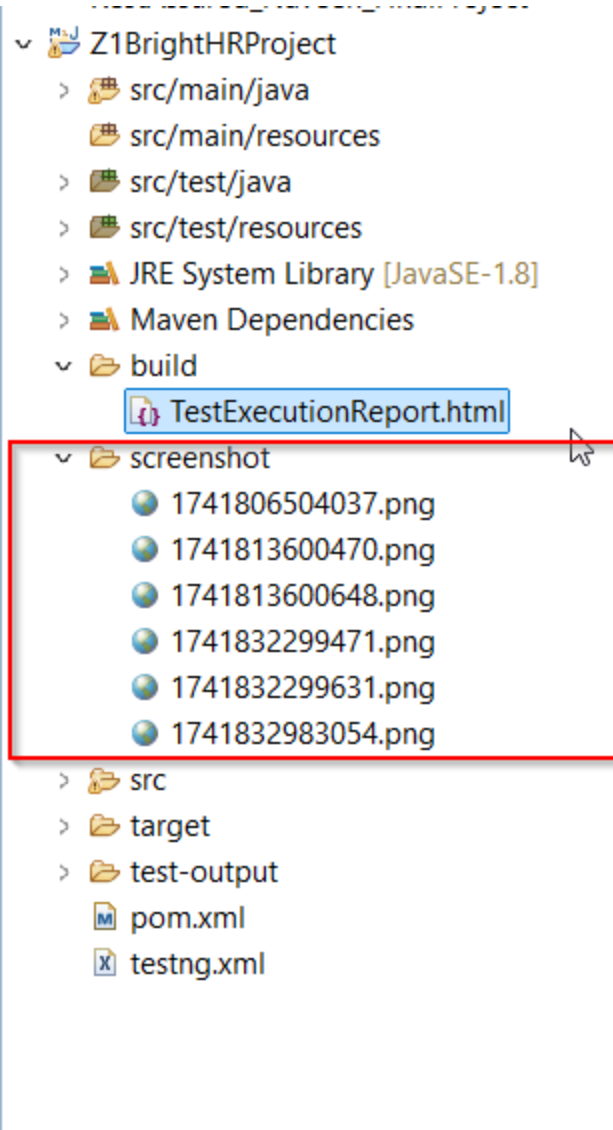
Dashboard > BrightHR_PlaywrightProject > #1 > Console Output

```
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/assertj/assertj-core/3.9.1/assertj-core-3.9.1.pom (10 kB at 171 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/assertj/assertj-parent-pom/2.1.9/assertj-parent-pom-2.1.9.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/assertj/assertj-parent-pom/2.1.9/assertj-parent-pom-2.1.9.pom (15 kB at 267 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/hamcrest/hamcrest-library/1.3/hamcrest-library-1.3.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/hamcrest/hamcrest-library/1.3/hamcrest-library-1.3.pom (820 B at 17 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/easystesting/fest-assert/1.4/fest-assert-1.4.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/easystesting/fest-assert/1.4/fest-assert-1.4.pom (2.4 kB at 70 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/easystesting/fest/1.0.8/fest-1.0.8.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/easystesting/fest/1.0.8/fest-1.0.8.pom (12 kB at 285 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/easystesting/fest-util/1.1.6/fest-util-1.1.6.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/easystesting/fest-util/1.1.6/fest-util-1.1.6.pom (1.6 kB at 45 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-testing-utils/3.0.0-M5/surefire-testing-utils-3.0.0-M5.jar
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-grouper/3.0.0-M5/surefire-grouper-3.0.0-M5.jar
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/common-java5/3.0.0-M5/common-java5-3.0.0-M5.jar
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-testing-utils/3.0.0-M5/surefire-testing-utils-3.0.0-M5.jar (14 kB at 36 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/common-java5/3.0.0-M5/common-java5-3.0.0-M5.jar (16 kB at 37 kB/s)
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-grouper/3.0.0-M5/surefire-grouper-3.0.0-M5.jar (40 kB at 56 kB/s)
[INFO]
[INFO]
[INFO] T E S T S
[INFO] -----
[INFO] Running TestSuite
SLF4J(W): No SLF4J providers were found.
SLF4J(W): Defaulting to no-operation (NOP) logger implementation
SLF4J(W): See https://www.slf4j.org/codes.html#noProviders for further details.
Starting the browser: chromium
The user got successfully Logged in !!, currently on Dashboard page Bright - Login
ERROR StatusLogger Log4j2 could not find a logging implementation. Please add log4j-core to the classpath. Using SimpleLogger to log to the console...
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 110.688 s - in TestSuite
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[WARNING] Corrupted STDOUT by directly writing to native stream in forked JVM 1. See FAQ web page and the dump file
C:\ProgramData\Jenkins\workspace\BrightHR_PlaywrightProject\target\surefire-reports\2025-03-13T03-48-31_059-jvmRun1.dumpstream
```

Extent report :



Screenshot captured :



Test Failure, Screenshot addition :

File C:/Users/als22/eclipse-workspace/Automation_Code/Z1BrightHRProject/build/TestExecutionReport.html

BrightHR Test Execution Report Mar 13, 2025 12:13:01 pm

Tests

verifyMultiEmployeeCreation
12:13:19 pm / 00:00:48.477

03.13.2025 12:13:19 pm 03.13.2025 12:14:07 pm 00:00:48.477 #test-id=1

STATUS TIMESTAMP DETAILS

Info 12:13:19 pm Test Started

Fail 12:14:07 pm java.lang.AssertionError: expected [false] but found [true]
at org.testng.Assert.fail(Assert.java:111)