

Mock exam

Git hub link - <https://github.com/pranjalwagh/mockExam>

Feature file-

```
Feature: Login functionality

Scenario Outline: User logs in with valid credentials
  Given the user is on the login page
  When they enter "<username>" and "<password>"
  And they click the login button
  Then they should be redirected to the dashboard

Examples:
  | username | password |
  | student  | Password123 |
  | incorrectUser | Password123 |
  | user3student | incorrectPassword |
```

Java file –

```
package assignment;

import static org.testng.Assert.assertEquals;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;

import io.cucumber.java.en.Given;
import io.cucumber.java.en.Then;
import io.cucumber.java.en.When;

public class MockAssignment {

    WebDriver driver = new ChromeDriver();

    @Given("the user is on the login page")
    public void the_user_is_on_the_login_page() {
        driver.get("https://practicetestautomation.com/practice-test-login/");
        driver.manage().window().maximize();
    }

    @When("they enter {string} and {string}")
    public void they_enter_and(String string, String string2) {
        driver.findElement(By.id("username")).sendKeys(string);
        driver.findElement(By.id("password")).sendKeys(string2);
    }

    @When("they click the login button")
    public void they_click_the_login_button() {
        driver.findElement(By.id("submit")).click();
    }
}
```

```

    @Then("they should be redirected to the dashboard")
    public void they_should_be_redirected_to_the_dashboard() {
        String successMessage =
driver.findElement(By.xpath("//*[id=\"loop-
container\"] /div/article/div[1]/h1")).getText();
        assertEquals("Logged In Successfully", successMessage);
    }
}

```

Output-

The screenshot displays the Jenkins web interface for a pipeline named 'mock1'. The top navigation bar includes the Jenkins logo, a search bar, and user information for 'Pranjal Wagh'. The left sidebar contains links to various pipeline management options like Status, Changes, Build Now, Configure, etc.

The main content area shows the 'mock1' pipeline status as 'Success' (indicated by a green checkmark). Below this, the 'Stage View' is presented as a table:

	Checkout	Build	Test
Average stage times: (Average full run time: ~25s)	3s	8s	9s
Apr 27 18:50	3s	8s	9s

Below the stage view, there are 'Permalinks' for the last build, stable build, successful build, and completed build, all dated '1 min 23 sec ago'.

The bottom section of the screenshot shows the 'Console Output' for the pipeline. It details the execution steps, including cloning the repository from GitHub, initializing the git environment, and checking out the code. The output is as follows:

```

Started by user Pranjal Wagh
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in C:\ProgramData\Jenkins\jenkins\workspace\mock1
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Checkout)
[Pipeline] git
The recommended git tool is: NONE
No credentials specified
Cloning the remote Git repository
Cloning repository https://github.com/pranjalwagh/mockExam.git
> git.exe init C:\ProgramData\Jenkins\jenkins\workspace\mock1 # timeout=10
Fetching upstream changes from https://github.com/pranjalwagh/mockExam.git
> git.exe --version # timeout=10
> git --version # "git version 2.44.0.windows.1"
> git.exe fetch --tags --force --progress -- https://github.com/pranjalwagh/mockExam.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git.exe config remote.origin.url https://github.com/pranjalwagh/mockExam.git # timeout=10
> git.exe config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
> git.exe rev-parse "refs/remotes/origin/main^(commit)" # timeout=10
Checking out Revision e6ff9c59aa189d3295a2ce70b94b2dd172209266 (refs/remotes/origin/main)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f e6ff9c59aa189d3295a2ce70b94b2dd172209266 # timeout=10

```

Dashboard > mock1 > #1

```
Commit message: "Create Jenkinsfile"
First time build. Skipping changelog.
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Build)
[Pipeline] bat

C:\ProgramData\Jenkins\jenkins\workspace\mock1>mvn clean compile
[INFO] Scanning for projects...
[WARNING]
[WARNING] Some problems were encountered while building the effective model for CucumberSearch:CucumberSearch:jar:0.0.1-SNAPSHOT
[WARNING] 'dependencies.dependency.(groupId:artifactId:type:classifier)' must be unique: junit:junit:jar -> duplicate declaration of version 3.8.1 @
line 37, column 13
[WARNING]
[WARNING] It is highly recommended to fix these problems because they threaten the stability of your build.
[WARNING]
[WARNING] For this reason, future Maven versions might no longer support building such malformed projects.
[WARNING]
[INFO]
[INFO] -----< CucumberSearch:CucumberSearch >-----
[INFO] Building CucumberSearch 0.0.1-SNAPSHOT
[INFO] from pom.xml
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- clean:3.2.0:clean (default-clean) @ CucumberSearch ---
[INFO] Deleting C:\ProgramData\Jenkins\jenkins\workspace\mock1\target
[INFO]
[INFO] --- resources:3.3.1:resources (default-resources) @ CucumberSearch ---
[WARNING] For this reason, future Maven versions might no longer support building such malformed projects.
[WARNING]
[INFO]
[INFO] -----< CucumberSearch:CucumberSearch >-----
[INFO] Building CucumberSearch 0.0.1-SNAPSHOT
[INFO] from pom.xml
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- clean:3.2.0:clean (default-clean) @ CucumberSearch ---
[INFO] Deleting C:\ProgramData\Jenkins\jenkins\workspace\mock1\target
[INFO]
[INFO] --- resources:3.3.1:resources (default-resources) @ CucumberSearch ---
[INFO] skip non existing resourceDirectory C:\ProgramData\Jenkins\jenkins\workspace\mock1\src\main\resources
[INFO]
[INFO] --- compiler:3.11.0:compile (default-compile) @ CucumberSearch ---
[INFO] Changes detected - recompiling the module! :source
[INFO] Compiling 1 source file with javac [debug target 1.8] to target\classes
[WARNING] bootstrap class path not set in conjunction with -source 8
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] -----
[INFO] Total time: 4.515 s
[INFO] Finished at: 2024-04-27T18:50:40+05:30
[INFO] -----
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Test)
[Pipeline] bat
```

38°C
Partly sunny

ENG
IN

06:53 PM
27-04-2024

Dashboard > mock1 > #1

```
C:\ProgramData\Jenkins\workspace\mock1>mvn clean test
[INFO] Scanning for projects...
[WARNING]
[WARNING] Some problems were encountered while building the effective model for CucumberSearch:CucumberSearch:jar:0.0.1-SNAPSHOT
[WARNING] 'dependencies.dependency.(groupId:artifactId:type:classifier)' must be unique: junit:junit:jar -> duplicate declaration of version 3.8.1 @
line 37, column 13
[WARNING]
[WARNING] It is highly recommended to fix these problems because they threaten the stability of your build.
[WARNING]
[WARNING] For this reason, future Maven versions might no longer support building such malformed projects.
[WARNING]
[INFO]
[INFO] -----< CucumberSearch:CucumberSearch >-----
[INFO] Building CucumberSearch 0.0.1-SNAPSHOT
[INFO] from pom.xml
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- clean:3.2.0:clean (default-clean) @ CucumberSearch ---
[INFO] Deleting C:\ProgramData\Jenkins\workspace\mock1\target
[INFO]
[INFO] --- resources:3.3.1:resources (default-resources) @ CucumberSearch ---
[INFO] skip non existing resourceDirectory C:\ProgramData\Jenkins\workspace\mock1\src\main\resources
[INFO]
[INFO] --- compiler:3.11.0:compile (default-compile) @ CucumberSearch ---
[INFO] Changes detected - recompiling the module! :source
[INFO] Compiling 1 source file with javac [debug target 1.8] to target\classes
[WARNING] bootstrap class path not set in conjunction with -source 8
[INFO]
[INFO] --- resources:3.3.1:testResources (default-testResources) @ CucumberSearch ---
[INFO]
[INFO] --- compiler:3.11.0:testCompile (default-testCompile) @ CucumberSearch ---
[INFO] Changes detected - recompiling the module! :dependency
[INFO] Compiling 1 source file with javac [debug target 1.8] to target\test-classes
[WARNING] bootstrap class path not set in conjunction with -source 8
[INFO]
[INFO] --- surefire:3.2.2:test (default-test) @ CucumberSearch ---
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 5.941 s
[INFO] Finished at: 2024-04-27T18:50:05+05:30
[INFO] -----
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

REST API Jenkins 2.451