**PART-1**

Step 1 - Create a new maven project

Step 2 - Add maven dependencies

Cucumber Java | Cucumber JUnit | JUnit | Selenium Java

Step 3 - Create a folder Features under src/test/resources

Step 4 - Under features folder create a new feature file login.feature

Step 5- Download cucumber plugin from Eclipse Marketplace

Step 6 Create feature file and add contents

* Feature
* Scenario
* Steps
* Scenario Outline
* Example
* Tags
* Comments

Step 7 - Try to run the feature file

Step 8 - Add Step Definitions / Glue Code under src/test/java package

Step 9 Create a Runner class

Step 10 Create Add Cucumber Options for generating reports

HTML | JSON | JUNIT/XML

Step 11 - Run and verify results

Graphical user interface, text, application, email

Description automatically generatedGraphical user interface, application, Teams

Description automatically generated

**PART-2**

Step 1 - Add Selenium Java maven dependency

Step 2 - Create a feature file and add Scenario and Steps

Step 3 - Create Step Definition/Glue Code for the steps

Step 4 - Download browser driver files

Step 5 - Add Selenium WebDriver code

Step 6 - Run Feature file and check the execution

**PART 3:**

Parameterization & Data Driven Testing

1. What is parameterization
2. What is data driven testing
3. How to run a feature multiple times with different sets of data

Prerequisites (Completed in earlier session)

1. Project is setup with required maven dependencies (libraries) added
2. A sample login test

**What is parameterization**

1. Open Browser
2. Navigate to login page
3. Enter Admin in username box
4. Enter admin123 in password box
5. Click login button
6. Verify user navigates to Home Page

Diagram

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Step 1 - In the feature file select the values that needs to be parameterized

Step 2 - Put the values within conical brackets or double quotes (Parameterization)

Step 3 - Change Scenario to Scenario Outline

Step 4 - Add Examples section

Step 5 - Add data for the parameters in the Examples section

Step 6 - Update step definition to get values from feature file Examples section

Graphical user interface, text, application

Description automatically generatedGraphical user interface, text, application, email

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