BDD - From Basics to GenAI

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Prerequisite

We will conduct hands-on exercises in scenario writing using the **Cucumber** tool. You are welcome to use any automation tool of your choice, provided it is fully set up and functioning. **This workshop focuses on the BDD aspect of scenario framing, emphasizing how to organize various components.** Note that this is not an automation setup tutorial;

Lab Setup

- Individuals Laptop for all attendees.
- 64-bit CPU Laptop with at least 8GB RAM, 20GB free disk space.
- OS: Windows 10, MacOS Sierra or higher.
- Internet Connectivity.
- Admin Rights in all the machines.

Softwares Installations

Below are the links to download softwares on their machines -

- Visual Studio Code - https://code.visualstudio.com/
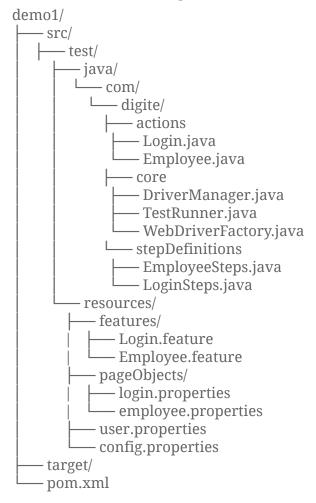- Git - https://git-scm.com/

URLs Access

- ChatGPT account - https://chat.openai.com/
- Claude account - https://claude.ai/
- https://app.mindmup.com/map/new/1730963494249
- https://excalidraw.com/#room=b8c3c5f09da836f8ef7c,kgeDEXBGtxofabbJz7bYwg
- https://mermaid.live/

Get the working version of basic test automation code. Install required software -

- IDE - VSCode, IntelliJ, Eclipse
- Java JDK11 or higher - https://www.oracle.com/java/technologies/downloads/
- Selenium driver for chromedriver/geckodriver
- Maven - https://maven.apache.org/download.cgi

Basic Setup

1. Clone git repository - https://github.com/ashwini-lalit/BDDOrangeHRM
2. You should see following structure in the IDE

```
demo1/
├── src/
│   ├── test/
│   │   ├── java/
│   │   │   └── com/
│   │   │       └── digite/
│   │   │           ├── actions
│   │   │           │   ├── Login.java
│   │   │           │   └── Employee.java
│   │   │           ├── core
│   │   │           │   ├── DriverManager.java
│   │   │           │   ├── TestRunner.java
│   │   │           │   └── WebDriverFactory.java
│   │   │           └── stepDefinitions
│   │   │               ├── EmployeeSteps.java
│   │   │               └── LoginSteps.java
│   │   └── resources/
│   │       ├── features/
│   │       │   ├── Login.feature
│   │       │   └── Employee.feature
│   │       ├── pageObjects/
│   │       │   ├── login.properties
│   │       │   └── employee.properties
│   │       ├── user.properties
│   │       └── config.properties
├── target/
└── pom.xml
```

3. Sample application for testing
   https://opensource-demo.orangehrmlive.com/web/index.php/auth/login

VERIFICATION

1. Run the TestRunner.java, it should show results as passed
2. Open chatgpt, put a basic prompt and verify it is working