**Instructions**

1. **UI Automation:**
   1. Project Summary: Considered the given workflow as a user journey. To automate the journey,I made a Maven project using Selenium Webdriver and Created following four classes:
      1. “Locators” *(stored all the locators and necessary variables)*
      2. “ShopperJourney” *(UI Automation)*
      3. “ShopperJourney\_Headless” *(UI Automation using headless chrome browser)*
      4. “ShopperJourney\_Parallel” *(UI Automation in both Chrome and FireFox browsers in the same time in different thread)*
   2. Pre prerequisite
      1. Java (JDK+JRE, version 1.8)
      2. Java programming
      3. GitHub account
      4. Git configured with your system
      5. Installation
         1. IntelliJ community edition IDE
            1. Comes with maven as build tool
            2. Plugins that needs to install in IntelliJ (File>Settings>Plugins)
   3. **How to run the project:**

Please follow the steps sequentially.

* + 1. Go to the link : <https://github.com/Shakik-M/NM_CodingExercise_UIAuto_Selenium>
    2. Clone it to local machine
    3. Go to the cloned folder
    4. Open the folder in Eclipse or IntelliJ
    5. Give some time to load the dependencies
    6. Go to ***src/test/java*** from the package explorer
    7. Open the package “userJourney” - you will see four classes inside.

For running “ShopperJourney”:

1. Double click on “ShopperJourney.java” for opening the file in viewer window
2. Click on run button
3. The test will start running
4. Chrome browser will open and start executing the user journey in given order – the actions will be visible
5. Once finished all the work – the driver will automatically quit
6. Look at the console to see the result:

Expected outcome in console –

Graphical user interface, text, website

Description automatically generated

For running “ShopperJourney\_Headless”:

1. Double click on “ShopperJourney\_Headless.java” for opening the file in viewer window
2. Click on run button
3. The test will start running
4. Chrome browser will open in background and start the user journey in given order – the journey will not be visible as the browser is headless
5. Once finished all the work – the driver will automatically quit
6. Look at the console to see the result:

Expected outcome in console –

Text

Description automatically generated

For running “ShopperJourney\_Parallel”:

1. Double click on “testing.xml” for opening the file in viewer window
2. Click on run button
3. The test will start running
4. Chrome browser & Firefox browser will open in background and start the user journey in given order – the journey will be visible in both browsers
5. Once finished all the work – the driver will automatically quit
6. Look at the console to see the result:

Expected outcome in console –

Text

Description automatically generated