Here’s a structured document to explain your automation script setup and execution process:

**Automation Script Setup and Execution Document**

**Project Overview**

This document provides a detailed explanation of the setup and execution process for the Selenium automation script written in Java. The script is compiled using **Java 1.7** and executed in **Eclipse IDE**.

**1. Prerequisites**

Before setting up or running the automation script, ensure the following prerequisites are met:

1. **Software Requirements:**
   * **Java Development Kit (JDK)**: Version 1.7 installed and configured in the system.
   * **Eclipse IDE**: Any version supporting Java 1.7.
   * **Selenium WebDriver**: Relevant JAR files for Selenium.
   * **Maven/Other Dependency Management Tools**: (Optional, based on project setup).
   * **Browser and Driver**: Appropriate browser and corresponding WebDriver (e.g., ChromeDriver for Chrome).
2. **Environment Setup:**
   * Set up the **JAVA\_HOME** environment variable pointing to JDK 1.7.
   * Add the JDK bin folder to the system's PATH variable.
   * Download and configure the Selenium WebDriver JAR files in Eclipse.
3. **Add Selenium JARs**:
   * Right-click on the project and go to **Build Path > Configure Build Path**.
   * Under the **Libraries** tab, click **Add External JARs** and select Selenium JAR files and other dependencies.
4. **Set Compiler Compliance Level**:
   * Go to **Project Properties > Java Compiler**.
   * Set the compliance level to **1.7**.

**5. Running the Script in Eclipse**

1. Open the **TestScript.java** file in Eclipse.
2. Right-click anywhere in the editor and select **Run As > Java Application**.
3. Monitor the **Console** window for output and logs.

**6. Troubleshooting**

* **Browser Driver Issues**: Ensure the driver executable matches the browser version.
* **Java Version Mismatch**: Check the project settings in Eclipse to ensure compatibility with Java 1.7.
* **Dependency Issues**: Verify all required JAR files are included in the project build path.