1. **Java Development Kit (JDK)**
   * Install JDK 11 or higher.
   * Set up the JAVA\_HOME environment variable.
   * Ensure the java command is accessible in your system's PATH.
2. **Maven**
   * Install Maven (v3.8+).
   * Set up the MAVEN\_HOME environment variable.
   * Ensure the mvn command is accessible in your system's PATH.
3. **IDE Setup**
   * Use **IntelliJ IDEA** or **Eclipse** as the IDE.
   * Install the **TestNG** plugin in your IDE.
4. **WebDriver**
   * Ensure the **ChromeDriver** (or any other browser driver) is downloaded and available for your project.
   * Set up the WebDriver executable path in the code if necessary.
5. **Other Tools**
   * **Git**: To clone the project repository.
   * **Browser**: Ensure the latest compatible browser version for your WebDriver (e.g., Chrome).