

# ALGO

- **Set up Maven Project:**  
Create a new Maven project and add dependencies for Selenium, TestNG, and ReportNG in the pom.xml file.
- **Create TestNG Test Class:**  
Establish a new Java class (e.g., FlipkartLazyLoadingTest) and use @Test annotations to represent various test scenarios.
- **Implement Test Scenarios:**  
Within FlipkartLazyLoadingTest, define test scenarios covering page load time, product search with lazy loading, content refresh frequency, and cross-browser compatibility.
- **Create testng.xml file:**  
Develop a testng.xml file to outline the test suite and classes to be executed.
- **Set up WebDriver and Browser Configuration:**  
In the setUp() method of the test class, initialize the WebDriver (e.g., ChromeDriver) and configure browser settings (e.g., maximize window, implicit wait).
- **Execute the Test Suite:**  
Run the testng.xml file as a TestNG Suite to execute all defined test cases.
- **Generate Reports:**  
After test execution, ReportNG will automatically generate HTML reports, displaying results for both passed and failed test cases.