**Selenium Hybrid Framework**

**Site:** http://demo.guru99.com/V4/

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1. Download java & eclipse
2. Create maven project
3. Create projects structure
   1. Src/test/data
      1. Create packages for pageObjects: com.projectname.pageObjects
      2. Create packages for test cases: com.projectname.testCases
      3. Create packages for test data: com.projectname.testData
      4. Create packages for utilities: com.projectname.utilities
   2. Configuration
      1. File config.properties
   3. Drivers
   4. Screenshots
4. Add dependencies to pom.xml from https://mvnrepository.com/
   1. Selenium java
   2. TestNG
   3. Apache POI
   4. Apache poi-ooxml
   5. Extentreports
   6. Common lang
5. Create page objects class in page object package
   1. Create constructor
   2. Find elements
   3. Set actions
6. Create base class in test case package
   1. Add setup method
   2. Add teardown method
7. Create test cases in test case package
8. Implementing Log
   1. Add log4j.properties in project directory.
   2. Add extent-config.xml in project directory.
9. Add TestNG.xml file to project directory for running test case from xml file
10. Update pom.xml file with maven compiler and surefire plugin for execute test using pom.xml
11. Create a new run.bat file in project directory
    1. Cd project location
    2. Mvn clean install
12. Install Jenkins
    1. Add free style project
       1. In build section select windows batch command
       2. Cd project location
       3. Run.bat
    2. Manage Jenkins > global config > add jdk & add maven
       1. Root pom: project location
       2. Goal : clean install
    3. New item > maven project > build section add git
       1. Source: github link
       2. Build section > root pom: pom.xml & Goal : clean install