Type of Framework: I have created project with Data driven framework by using Page object model

POM: As per page object model, I maintained a class for every web page. Every web page has separate class and that holds functionality and members of that page. Separate classes for every individual test.

Packages: I have created separate packages for Pages and Tests. All the web pages related classes come under Pages package and all the tests related come under Tests package.

For Example, Home page and login page have separate classes to store element locators. For log in test there would be separate class which calls method from login page class

Base Test Class: Base test class (BaseTest.java) deals with common functions used by all the pages. This class is responsible for configurations from properties files, initializing web driver.

Utility Class: Utility class (TestUtils.java) handles the functions which can be commonly used across entire framework. The reason behind creating utility class is for re usability.

Properties file: File ( config.properties) stores the information which is static throughout framework such as browser specification, application url etc.

Screen shots: Screen shots will be captured and stored in separate folder.

Test data: Test data will be kept in excel sheet. I pass test data and handle data driven testing. I use POI API to handle excel sheets.

TestNG: used testing for different assertions and annotations.

Maven: Maven for build, execution and dependency purpose. Integrating the testing dependency in pom.xml and running this pom.xml file.

Extent reports: For reporting purpose, I used extent reports. It generates html reports. I am sending emailable reports. And notifying failure tests with test name to respective email.