Hybrid Framework

Q. Can you explain about Hybrid Framework?

A.*Hybrid framework is a combination of Page Object Model , testNG and data driven framework.

***In our project the main available packages are Pages, Testcases, ExcelUtils, Reporting Utils, Application Utils, Drivers, Testdata, Commonutil.**

***Coming to Page object model design pattern, we are following for every webpage or entity specific we are creating a java class file and corresponding methods will be implemented.**

*** In every page specific we are declaring the web elements. For a page specific we are maintaining page object repository.**

***Coming to the main test case development we are creating an object for every class and we are calling the required methods as per the test case functional flow. Like that we are following the page object model design pattern.**

***To execute the test cases, we are using testng.xml batch file and also maven build. By using testng.xml batch file we can execute the test cases either in "parallel" or in "sequential approach". After executing testng.xml batch file, the default emailable report will be generated in test output folder.**

***For reporting purpose, we are also using extent reports. The extent report.html page it will capture the all screenshots for every step in the test case.**

***To fetch input data and also to maintain input data we are using Excel files and we are storing all the input data in the excel file. By using ExcelUtilApachePOI supporting libraries, we are fetching the**

input data and we are passing the input values to the required test methods in the testng class.

*So that the test methods will be executed with required set of input values. Like that the framework which supports "Data driven framework" as well.

*In the testng.xml we are specifying the testng parameter. Based on the testng parameter configured the script can be executed on required browser combinations. It can also execute on chrome browser, IE browser, Firefox browser. Like that our framework also support "Browser compatibility" testing as well.

*Totally it's a combination of Page Object Model, Testng and data driven features. This kind of framework we are following in our project. Yeah, that's the high level overview on the Hybrid framework.