

## Framework

The framework is a rule and guidelines which needs to be followed to make a project in the standard way.

I worked in Hybrid driven framework and this follows data-driven, modular-driven, and key-build-driven frameworks.

In my project, we store the data in separate folders and keep it organized way to access the data in our scripts.

And the automation scripts are stored module by module.

We are storing methods in the generic library which consist of java util, action util, web driver util, Read data and I Auto-constants/ Framework constant.

The data are accessed through methods and those methods are stored in Read Data. we have different methods like reading the data from excel files and properties files etc.

The action which needs to be done on web elements repeatedly actions are written as methods and those methods are stored in action util.

In web-driver util, we use to write the method for switching the browser, etc. In framework constant, we will declare some string as constants which is not going to change in the entire project .ex – the path of the driver.

The above generic library is not project specific.

Element repository - In this package, web elements are stored in an organized way which means every element in the web page is stored in the respective page as a private variable, and by using the public getter method we will access those elements.

This repository is project specified.

All the driver and jar files are stored in the resource which is required for our project.

The precondition is written in the base class by using configuration annotation to reduce the effort of the test engineer as well as reduce the lines of the automation scripts.

Each test case is written and stored in the test scripts and we have only one test case in each class which will inherit the base class.

All the test cases are batched in a driver file based on the module and group of testing.

which is in the form of an XML file. These files are stored in the Driver file.

We have reports for each test case and those reports are stored in the reports file. It helps for reading the failures and passing results in the form of a different report.

At last, we have an error shot folder in which we will store the screenshot of the error while running the scripts in case of failure.