**Page Object Model-**

* Page Object Model is a design pattern to create Object Repository for web UI elements.
* Under this model, for each web page in the application, there should be corresponding page class.
* This Page class will find the WebElements of that web page and also contains Page methods which perform operations on those WebElements.
* Name of these methods should be given as per the task they are performing, i.e., if a loader is waiting for the payment gateway to appear, POM method name can be waitForPaymentScreenDisplay().

Page Factory is an inbuilt Page Object Model concept for Selenium WebDriver but it is very optimized.

**Robot Framework-**

* Robot Framework is a test automation framework which has easy to use tabular test data syntax and it utilises the keyword driven testing approach.
* Robot Framework is OS and application independent.The core framework is implemented using Python and runs Jython (JVM) and IronPython (.Net)
* It is open source and is hosted on GitHub
* It uses colored font for distinguishing between various syntaxes.
* It gives a clear report. Green for success and red for failure with detailed logs and screenshots.
* Editors- Eclipse, Pycharm, SubLime, Vims. CI and build tools- Jenkins, Ant, Maven

**Gherkin Syntax** - Given, when, then