**Advantages Of Automating Software Builds:**

* As Build Automation is a prerequisite for the effective use of continuous integration.
* It also eliminates the defects, as a manual build process containing a large number of necessary steps which can have many opportunities to make mistakes.

**How To Build and Deploy A Java Web Application:**

* Creating a project using maven and MVC.
* Creating the required pages for the website.
* Database Connectivity with mysql.
* Deploying the java web application in servers.
* For Deploying we use Ant tool and Maven Tools.

**Types Of Tests Included :**

* We can use unit testing as well as JUnit test.
* JUnit is a framework based on java.
* By using this JUnit testing the bugs are detected early, resulting in a more realiable code.
* The only disadvantage is this framework is unable to execute dependency tests. That is were we need testing.

**Testing Of Front-End:**

* The needle is a Front Testing tool for testing CSS.
* It checks that visual elements like font,images.
* We also need to check the performance testing, How fast does page loads.
* Page speed is an opensource performance testing and also provides suggestions to minimize loading time.