**Notes Done in Class**

Different types of testing

Depending on every application

Performance Testing  it is a non-functional testing

Speed, Scalability and Stability of the software or application.

walmart

when type in browser [www.walmart.com](http://www.walmart.com)

Load Testing -  how many concurrent users, how many transactions ?

Stress Testing - to find breaking point of the application

Spike Testing - this is also subset of stress testing - how the system responds when there is unexpected load / unloading.

Endurance Testing - testing the performance of the application for a prolonged period and specific number of users.

Volume Testing - total number of concurrent users with regard to data

Scalability testing - capability to handle growing amount of data/request

system, network, memory

two ways of thinking about testing

you are the user - what all will you expect the application to behave ?

You are part of the application model

what you need to know to test the application - web application

what are the essential points to test --- BRD , Specification already the design of the application would have been decided

Softwares for Performance testing

Loadrunner, JMeter, Zebrameter

JMeter is open source tool. It is fully developed Java. platform independent

Apache

You need java installed in your system

sample time - the total time taken for that request and response

Latency - the time taken in milliseconds to get the first response data for that request

ramp up period - the time taken to make the threads up and running

5 users ---  rampup as 20   for every 4 secs it starts a request

Thread -  User

Sampler - making a request

Timer - adding a delay between different operations that are done by the user

Listener - reporting, viewing results it can be used for debugging