**Selenium**

Web based automated test

**IDE** – tool used inside firefox, it’s a plugin which allows us to record scripts

**Web driver** – write some code to automate our browser, write/automate test

**Server** – execute selenium test remotely, writing test in parallel/in diff machines

Tool/framework to automate web browser – an API for web browser

Unified API for manipulating web browser – automate web applications

Remote execution using Selenium Server

Why Automate web Testing?

Regression – suite of automated test, run at end of sprint

High level testing - test like the real user

Gives exact requirement

Selenuim RC – Remote Control basically selenium 1 – client and server – used JavaScript to drive browser

Webdriver merged with Selenium – Selenium 2

Architecture

Binding – Java, C#, Python – implementation in various lang used to do automation

WebDriver API

IE, Firefox, Chrome