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**Mentoring Session**  
**By Ahlan & Kaya**

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# Saturday Class Review

**Jason Huggins:** Designed Selenium 1.

LinkedIn: <https://www.linkedin.com/in/jrhuggins>

GitHub link: <https://github.com/hugs>

**Simon Stewart:** Designed Selenium WebDriver.

LinkedIn: <https://www.linkedin.com/in/sistewart>

GitHub link: <https://github.com/shs96c>

**Selenium Website:** <http://www.seleniumhq.org/download/>

- Selenium Server
- Client Driver (Java)

## Google Chrome Driver:

<http://chromedriver.storage.googleapis.com/index.html?path=2.23/>

## Firefox Driver:

<https://github.com/mozilla/geckodriver/releases>

## Coding in Eclipse:

### 1. New Project, In eclipse.

- Create a Project, **SP\_Ahlan**
- Create a lib folder
- Put the jar files in lib
- Create a package, **Browsers**
- Create Classes, **Chrome, Firefox**

### 2. Code

- Chrome

```
public class Chrome {  
  
    public static void main(String[] args) {  
  
        System.setProperty("webdriver.chrome.driver", "A:\\New  
folder\\Selenium\\WebDrivers\\chromedriver.exe");  
  
        WebDriver driver = new ChromeDriver();  
        driver.manage().timeouts().implicitlyWait(15, TimeUnit.MICROSECONDS);  
        driver.navigate().to("http://amazon.com");  
        driver.manage().window().maximize();  
    }  
}
```

- Firefox (Copy from Chrome)

```
public class Firefox {  
  
    public static void main(String[] args) {  
  
        System.setProperty("webdriver.gecko.driver", "A:\\New  
folder\\Selenium\\WebDrivers\\geckodriver.exe");  
  
        WebDriver driver = new FirefoxDriver();  
        driver.manage().timeouts().implicitlyWait(15, TimeUnit.SECONDS);  
        driver.navigate().to("http://amazon.com");  
        driver.manage().window().maximize();  
  
    }  
}
```

**Run it!!**

3. For **Firefox**: FireBug, Firepath ----> Locators

Selenium Interacts with the web elements in browser:  
Through locators:

- Css --> `.classname` , `#id`
- Name
- ID
- Xpath

For **Chrome**: Right Click > Inspect

4.

```
public class Firefox {  
  
    public static void main(String[] args) {  
  
        System.setProperty("webdriver.gecko.driver", "A:\\New  
folder\\Selenium\\WebDrivers\\geckodriver.exe");  
  
        WebDriver driver = new FirefoxDriver();  
        driver.manage().timeouts().implicitlyWait(15, TimeUnit.SECONDS);  
        driver.navigate().to("http://amazon.com");  
        driver.manage().window().maximize();  
  
        driver.findElement(By.cssSelector("#twotabsearchtextbox")).sendKeys("Laptop", Keys.ENTER);  
        System.out.println(driver.getTitle());  
  
    }  
}
```

## 5. Create a New package, **Junit**

- Create a "JUnit test case" class
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## 1. Create A New Maven Project

- Groupid: Web-Application
- Artifactid: Webapp

## 2. Add Modules

- Generic
- CNN
- Nytimes
- Amazon

## 3. Add to root XML

- Dependency management
  - Go to google Search ( selenium java dependency)
  - <http://docs.seleniumhq.org/download/maven.jsp>
  - Get **selenium-java, selenium-server**
  - Go to google Search (Maven Central Dependency)
  - <http://search.maven.org/>
  - Search (TestNG) **click** on 6.9.10
  - Get TestNG Dependency to root .xml

## 4. Copy paste all the dependencies to Generic

- Take off **<dependencyManagement/>**
- Take off **<versions/>**

## 5. Copy and paste in **Amazon, NYTimes, CNN**

```
<dependencies>
  <dependency>
    <groupId>Web-Application</groupId>
    <artifactId>Generic</artifactId>
    <version>1.0-SNAPSHOT</version>
  </dependency>
</dependencies>
```

## 6. Click on Maven Projects

- Expand webapp then Expand Lifecycle
- Click test and Skip tests

- Then run install (Build Success)
- Click "Reimport"

7. Run "install" in Generic, Amazon, NYTimes, CNN

8.

## MySQL commands for cmd: Basics

What	How	Example(s)
Run MySQL -Enter Password	mysql -u <b>User</b> -p	mysql -u <b>rocee</b> -p
List all Databases	show databases;	show databases;
Create a New Database	create database <b>Name</b> ;	create database <b>Student</b> ;
Delete a Database	drop database <b>Name</b> ;	drop database <b>Student1</b> ;
Switch to a Database	use <b>Name</b> ;	use <b>Student</b> ;
See all the tables	show tables;	show tables;
Show table fields	<b>Describe Name</b> ;	<b>Describe info</b> ;

<b>First_Name</b>	<b>Last_Name</b>	<b>Student_ID</b>	<b>Major</b>
<b>Ahlan</b>	<b>Habib</b>	<b>1234</b>	

Create Table	
<pre>CREATE TABLE <b>info</b> (   <b>First_Name</b>  varchar(30) NOT NULL,   <b>Last_Name</b>   varchar(30) NOT NULL,   <b>Student_ID</b>  int          NOT NULL,   <b>Major</b>       varchar(25) NULL,   PRIMARY KEY (Student_ID));</pre>	

Insert Values
<pre>insert into info values ('Ahlan','Habib','1234','');</pre>
Show all columns
<pre>SELECT * FROM info</pre>
Delete Table
<pre>drop table info;</pre>

Link:

<http://cse.unl.edu/~sscott/ShowFiles/SQL/CheatSheet/SQLCheatSheet.html>