

Enterprise Application Development – 2

Software / Tool Setup Guide

The following software and tools **MUST** install and configure by each student before the module commence. The instructor will help and guide if needed.

1. Install **JAVA 1.8** or above version.

Once you complete the installation, set the Java class-path


You can set this in windows via,

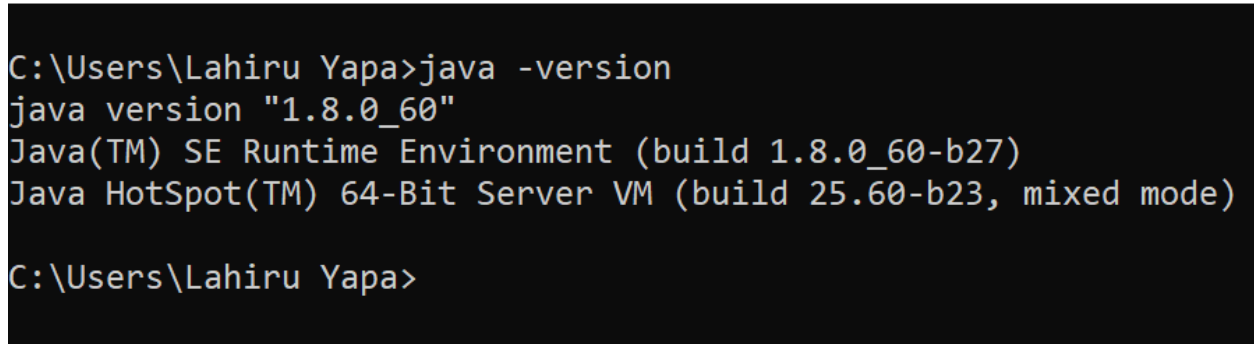
My Computer → Properties → Advanced System Settings → Environment Variables → System Variables

Here you can edit “path” variable and add a new path variable to java as follow,

C:\Program Files\Java\jdk1.8.0_60\bin

Execute the following command and verified the java installation.

 Command Prompt



```
C:\Users\Lahiru Yapa>java -version
java version "1.8.0_60"
Java(TM) SE Runtime Environment (build 1.8.0_60-b27)
Java HotSpot(TM) 64-Bit Server VM (build 25.60-b23, mixed mode)

C:\Users\Lahiru Yapa>
```

2. Install **MySQL 5.5.x**

If you set a password make sure to remember it. Once you complete the installation set MySQL bin path as the environment variable.

You can set this in windows via,

My Computer → Properties → Advanced System Settings → Environment Variables → System Variables

Here you can edit “path” variable and add a new path variable to java as follow,

C:\Program Files\MySQL\MySQL Server 5.5\bin

Logging to the MySQL using following command and verified the MySQL installation.

```
Command Prompt - mysql -uroot -p

C:\Users\Lahiru Yapa>mysql -uroot -p
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 336
Server version: 5.5.48 MySQL Community Server (GPL)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql>
```

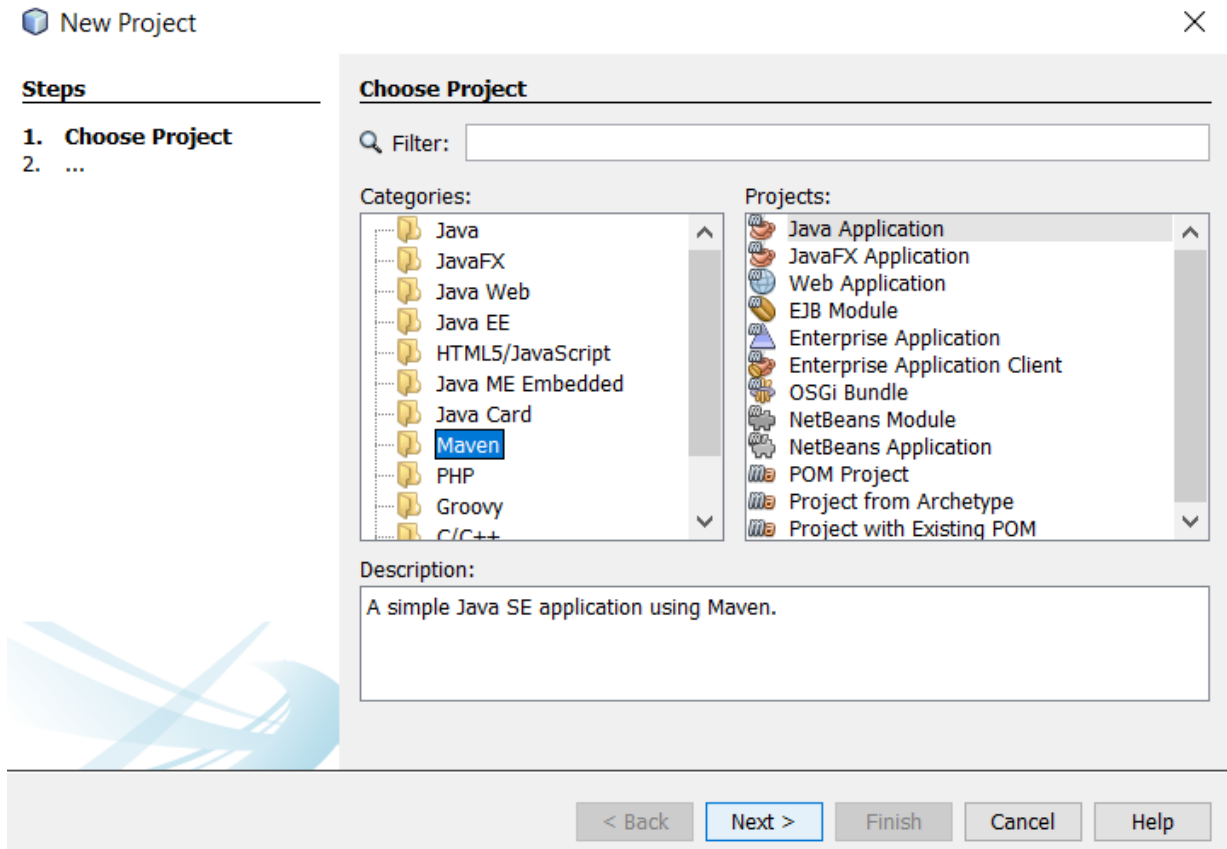
3. Install any familiar **GUI Tool for MySQL** database.
(E.g.: - SQLyog, phpMyAdmin, MySQL Workbench)
4. Install **Apache Maven 3.6.x**(Set Maven bin path as the environment variable as similar way you followed for java and MySQL).
Execute the following command and verified the maven installation.

```
Command Prompt

C:\Users\Lahiru Yapa>mvn --version
Apache Maven 3.6.1 (d66c9c0b3152b2e69ee9bac180bb8fcc8e6af555; 2019-04-05T00:30:29+05:30)
Maven home: C:\apache-maven-3.6.1\bin\..
Java version: 1.8.0_60, vendor: Oracle Corporation, runtime: C:\Program Files\Java\jre1.8.0_60
Default locale: en_US, platform encoding: Cp1252
OS name: "windows 10", version: "10.0", arch: "amd64", family: "windows"

C:\Users\Lahiru Yapa>
```

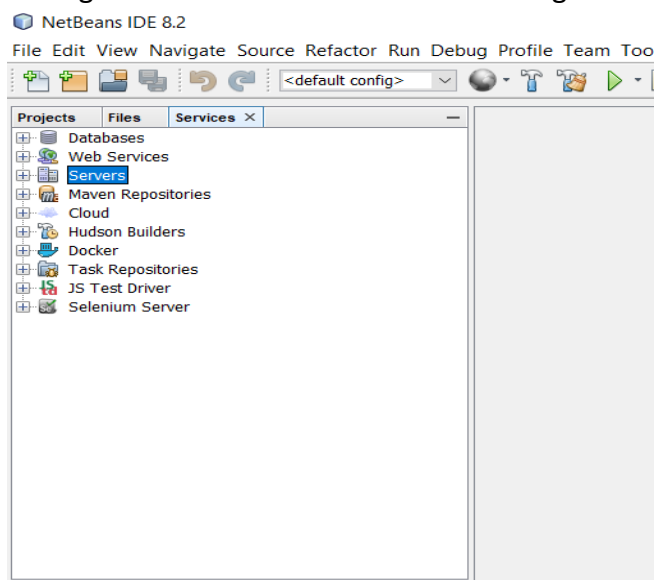
5. Install **NetBeans 8** + version.
(Install necessary plugin and enable the Java EE features)
If your installation successful, following screenshot show new project window in Java EE enabled NetBeans.



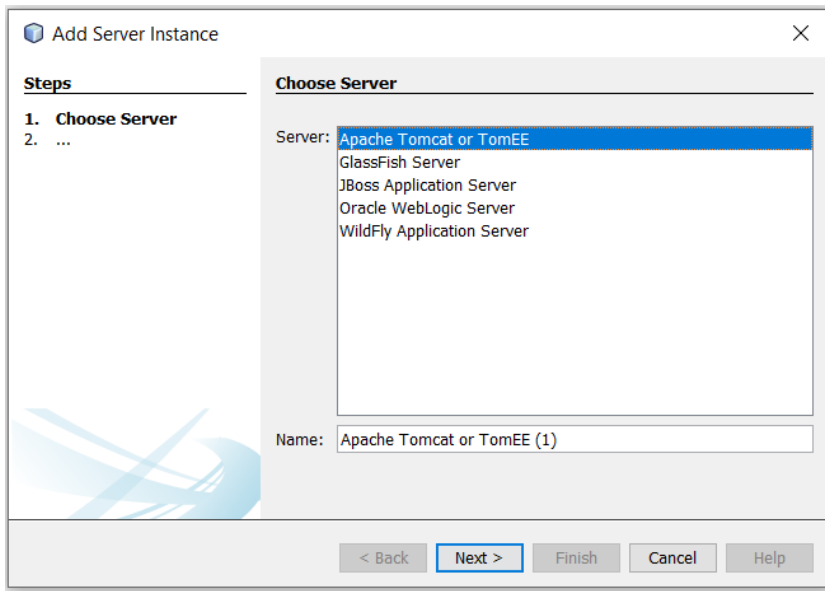
6. Install **Apache Tomcat** and setup with NetBeans.

First download the Apache Tomcat 8.0.* server and install your computer(for installation just need to extract the download zip file).

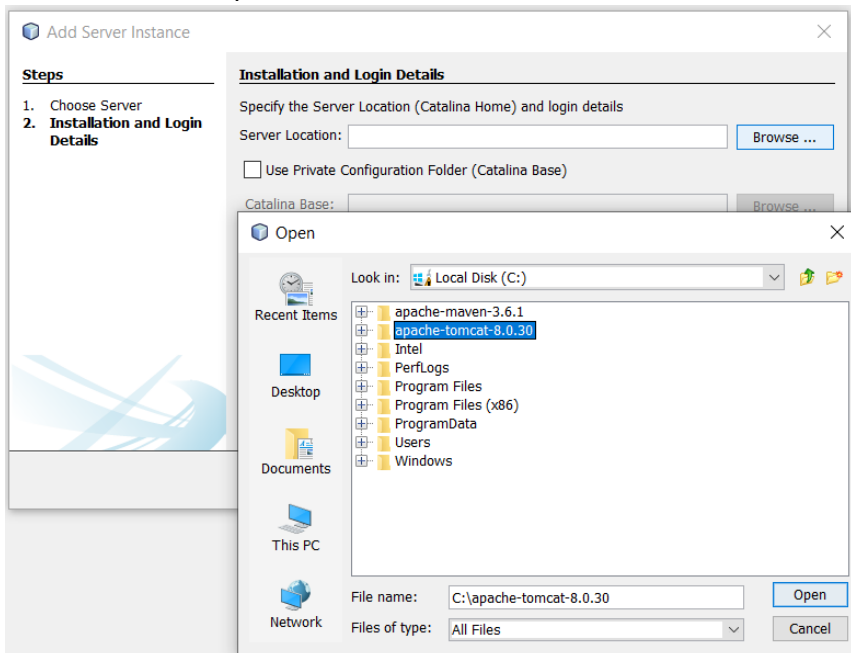
Then go to services tab in NetBeans and right click on the server,



The click on the Add Server and select Apache Tomcat and click next,



Then browses the Apache Tomcat location,



Once you install the server properly, you can see the tomcat server under servers in NetBeans.

7. Install **Postman** tool.

(Please familiar with this tool by referring some tutorials)

