System setup

Requirements and limitation

• Maven 3.5.0

Download from https://maven.apache.org/download.cgi

• Java JDK 1.8

•OpenMRS referenceapplication-standalone-2.6.0-

download from http://openmrs.org/download/

• Tomcat 7

Installation

1. Installed JDK

   Run **java –version** on command line to check if it is the right version. You should get something like this

   Java version "1.8.0_121"
   Java(TM) SE Runtime Environment (build 1.8.0_121-b13)
   Java HotSpot(TM) 64-Bit Server VM (build 25.121-b13, mixed mode)

IF java commend is not recognized, right click “COMPUTER” select “properties”, on the left side, click “advanced system setting”, click “environment variables”, on the box “system variables” scroll down and find “path”, click edit, and add the path of your jdk in the last, example : “C:\Program Files\Java\jdk1.8.0_101\bin”
NOTE: you need semicolon to separate different path

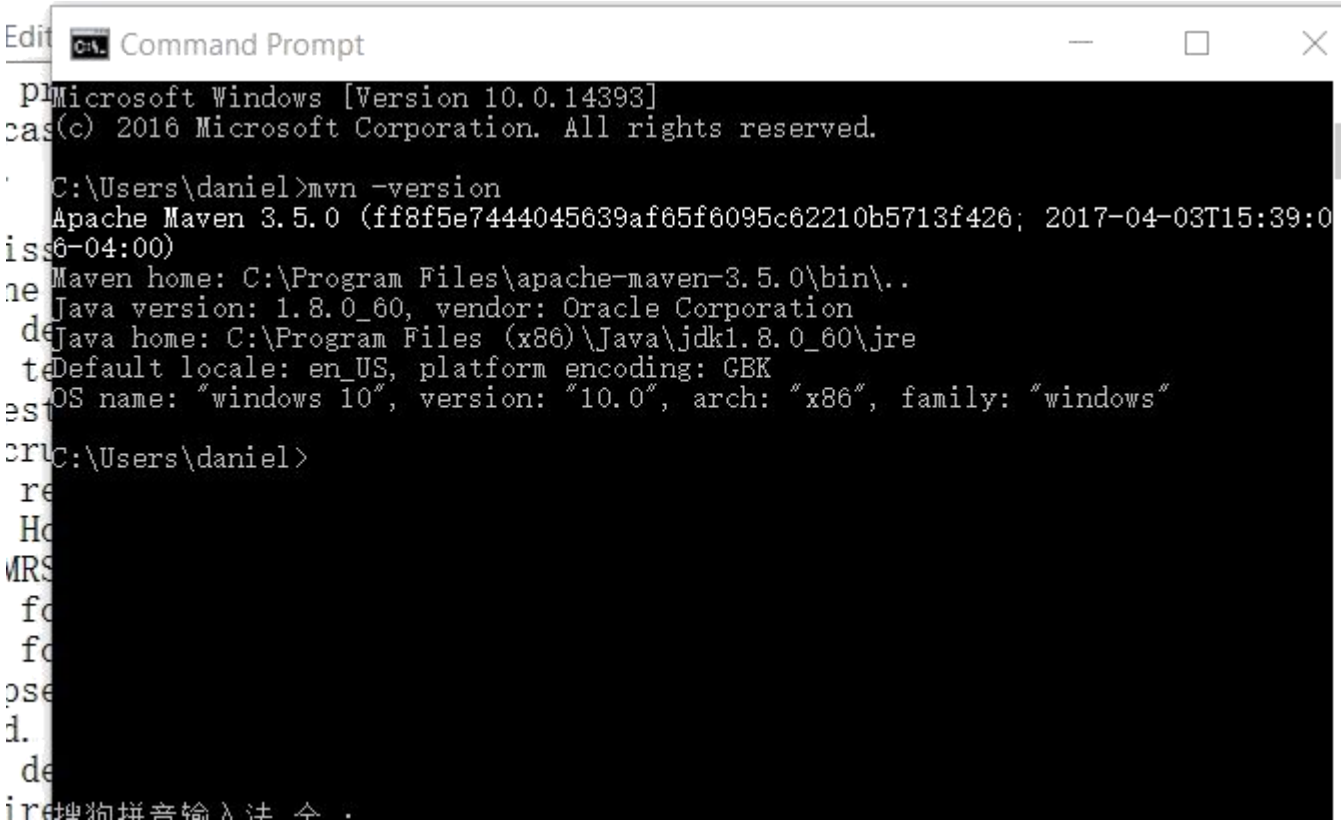
2. Extract and install the Maven apache-maven-3.5.0-bin.zip

   Make sure to add environment variables if you are running it the first time otherwise mvn command would not be recognized.

Check this website out saves me a lot of time

https://maven.apache.org/install.html

and then run **mvn –version** on cmd to check if it is successfully installed



3, <u>Setting up openmrs SDK for maven</u>

Run **mvn org.openmrs.maven.plugins:openmrs-sdk-maven-plugin:setup-sdk** in command prompt

Update the SDK by running **<u>mvn openmrs-sdk:help –U</u>**

3. <u>Making sure have MySQL and Tomcat 7 installed</u>

4. <u>Install openmrs reference standalone(2.6.0 standalone version)</u>

Run **openmrs-standalone.jar** under the folder, the first time that OpenMRS is run, choose the **"Demonstration Mode**", and launch the OpenMRS Application Controller, Make sure that MySQL port is 3316. If port is not 3316, stop the application controller, change port to 3316 and click the "Start" button again.

Once the OpenMRS Application is installed and ready, it will launch the login page to OpenMRS, in a web-browser window, Log in with:

username: admin password: Admin123

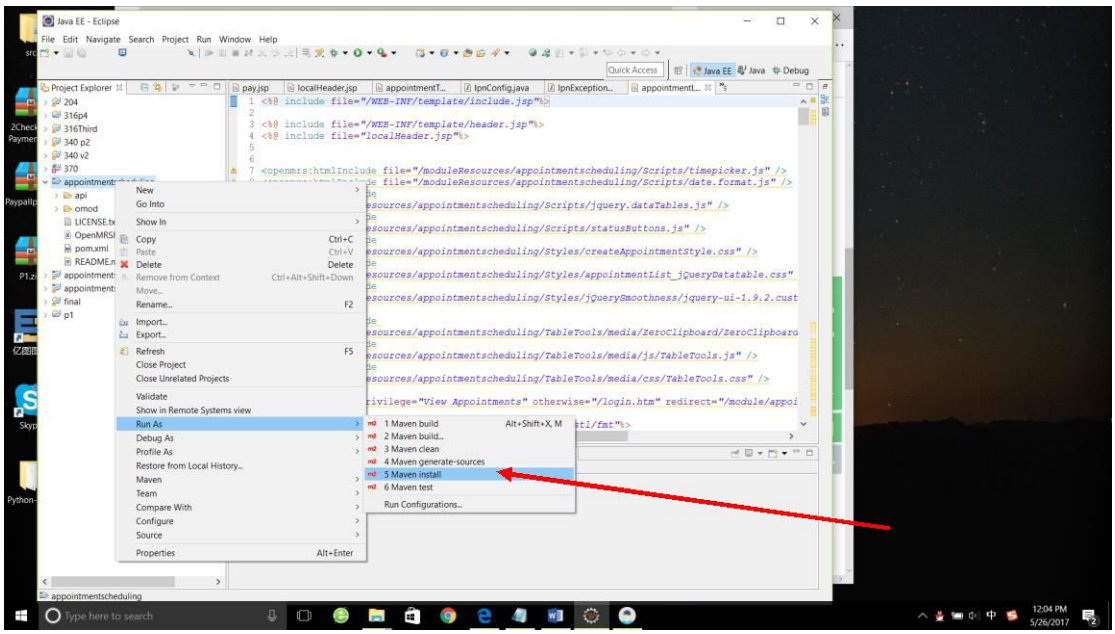
-once you log in go to **System Administration Advanced Administration Manage Modules** .

-Click "**Add or upgrade a module**" -

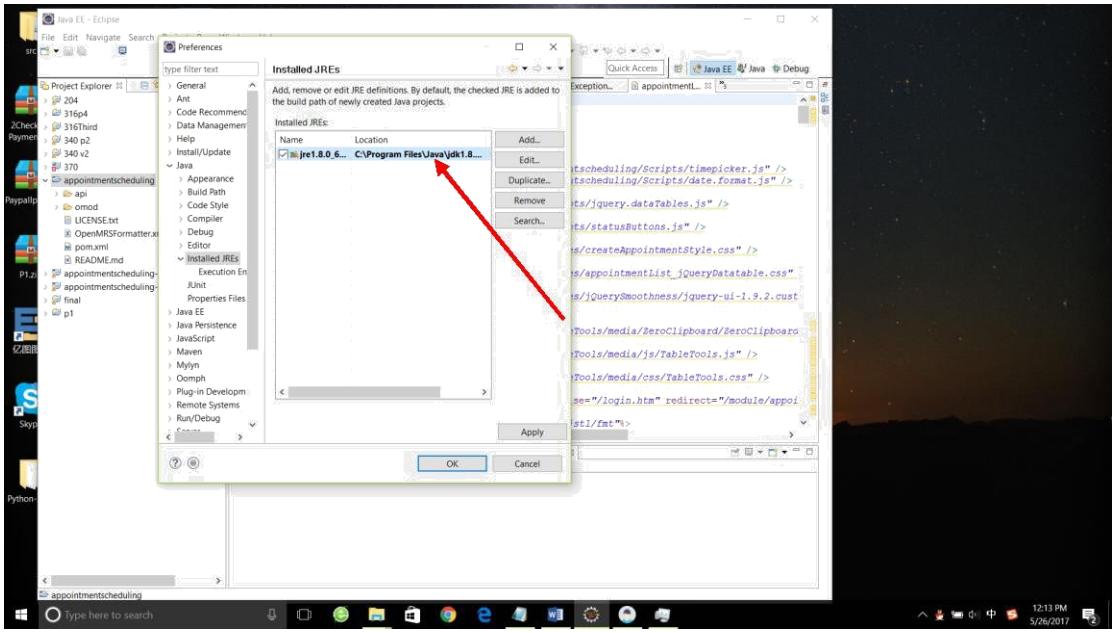
Click "**Choose file**" under "**Add module**"

-Select the OMOD file:**appointmentscheduling-1.9.0-SNAPSHOT.omod**

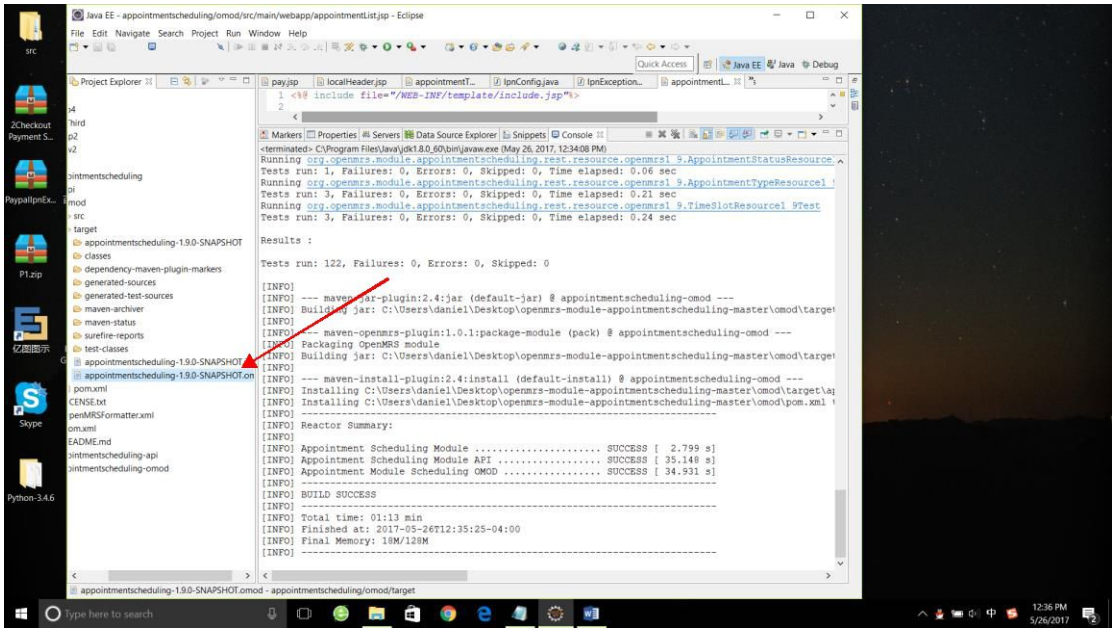
from \project\appointmentscheduling-master\omod\target(the omod file is generated by running it as maven install on eclipse.



Note: make sure use library jdk 1.8 instead of jre. My computer's defaut was set to jre, so the installation was failed . Change it to jdk, everything works now.



And then it would generate omod file under the target .You will be using that omod file to upload into the openmrs.



-Click “upload” takes some time to upload and deploy the module.

Note: first try to delete the **appointmentscheduling-1.8.0.omod** originally located under

referenceapplication-standalone-2.6.0\referenceapplication-standalone-2.6.0\appdata\modules

And replace it with our module **appointmentscheduling-1.9.0-SNAPSHOT.omod**

And then restart the OpenMRS Application Controller.

Second option: Manage Modules .

-Click "**Add or upgrade a module**"

-Click "**Choose file"** under "**Add module**"

-Select the OMOD file:**appointmentscheduling-1.9.0-SNAPSHOT.omod**