Ticket\_Service Homework

How the maven was installed and the setup was processed

If planning to run application via maven following steps needs to be executed.

1. Download Maven

<https://maven.apache.org/download.cgi>

1. 2a)Set Environment variables(System Variables)

Variable Path - M2\_HOME

Variable Value – Path t maven folder i.e. parent directory of bin

2b) System Variables

Variable Path – M2

Variable Value - %M2\_HOME%\bin

Add it to the path variable as well

1. Install Java and configure its path
2. Open command prompt and check if mvn –version. To check maven is installed or not.4

Creating JAVA Project using Apache Maven

Step 1: Navigate to the folder where the new project shall be created.

mvn archetype:generate -DgroupId=com.stadium -DartifactId=stadium -DarchetypeArtifactId=maven-archetype-quickstart -DinteractiveMode=false

Step 2: Add class path variable in Eclipse IDE

Inside the Eclipse IDE, we click on Windows > Preferences.

In the left panel, we click on Java > Build path > Classpath Variables.

In the right panel, we click on **“New:”** button and we fill these values:  
**Name:** “M2\_REPO”  
**Path:** “C:\Users\Username\.m2\repository\”

We click on the **“OK”** button.

Step 3: Open cmd and navigate to newly created project and excute mvn eclipse:eclipse

Step4: Paste the application

Step5: Create a jar file mvn package

Step6: Project Execution steps

java –cp target\stadium-1.0-SNAPSHOT.jar stadium.Entry\_point

How to run the application

Unzip the stadium folder and there would be one more stadium folder inside unzipped stadium folder open command prompt and navigate to that directory. Example if placed stadium folder in Desktop it would be like

C:\Usesrs\Name\_of\_the\_machine\Desktop\stadium\stadium

And execute following command

java –cp target\stadium-1.0-SNAPSHOT.jar stadium.Entry\_point

There are no dependency so once can directly import the application in any IDE.