**Running the project on AWS EC2.**

1. First, you need to complete the steps for “**Running the project on a local machine**” because you need “dist” directory to run the project on the server. You can find the section above in how\_to\_setup\_and\_run\_locally.docx
2. You could Ubuntu to connect to the server.
   1. Have your public key ready.
   2. Open your terminal and go to the directory where you have saved your public key.
   3. Run ‘chmod 400 KyleKeyValid.pem’ to have your public key recognised.
   4. Connect to the instance using its public DNS
      1. ssh -i "KyleKeyValid.pem" [ubuntu@ec2-18-217-86-148.us-east-2.compute.amazonaws.com](mailto:ubuntu@ec2-18-217-86-148.us-east-2.compute.amazonaws.com)
   5. login id is ‘ubuntu’
3. After connecting to the server successfully, go to ‘/home/ubuntu/deployment’. If you run ‘ls’, then you should be able to see ‘server.js’ file. In the same directory, please transfer your previously created ‘dist’ folder.
4. Run ‘node server.js’ to start the service. You could access the website at ec2-18-217-86-148.us-east-2.compute.amazonaws.com:9000.
   1. You should see ‘CONNECTED’ message in the console.

**Accessing MySQL on the server.**

1. If you have successfully connected to the server and are able to run ‘node server.js’, then you are able to connect to MySQL on the server as well.
2. Please run ‘mysql –u kyle –p’ to log into MySQL. The password is ‘team6best’.
3. Please use ‘sampledb’ as the database by running ‘USE sampledb;’.
4. You could see the tables, ‘advertisements’ and ‘users’, by running ‘SHOW TABLES;’ and you could see the definition of these tables by running ‘DESCRIBE <table\_name>;’.

**API Tests:**

Before Testing:

**APITEST is located at /umbuy/server/APITest/my-app/**

Follow the set-up guide to set up database locally.

Change the mysql user and password to your own in localhost.js

Note: localhost.js is located at /umbuy/server/APITest/my-app/src/main/resources

Install Maven on Mac:

brew install maven

to install build tool “Maven”

Install Maven on Windows:

Download maven from http://maven.apache.org/. Unzip it to the folder you want it to live

Add both *M2\_HOME* and *MAVEN\_HOME* variables to the Windows environment using system properties, and point it to your Maven folder.

Update the PATH variable by appending the Maven bin folder – *%M2\_HOME%\bin*, so that you can run the Maven’s command everywhere.

To verify it run:

mvn -v

**Note**: file structure was generated by maven using ✗ “mvn archetype:generate -DgroupId=umbuy -DartifactId=my-app -DarchetypeArtifactId=maven-archetype-quickstart -DinteractiveMode=false”

Run API Testing:

One command: mvn test

This will install node/npm, connect to test database and delete every entry inside test table, run nodejs server at background, and then do api testing.