GoGoGo: A Collaborative Planning Solution

Setting up the local environment

To set up the local environment for testing and running the app, follow the step by step instruction.
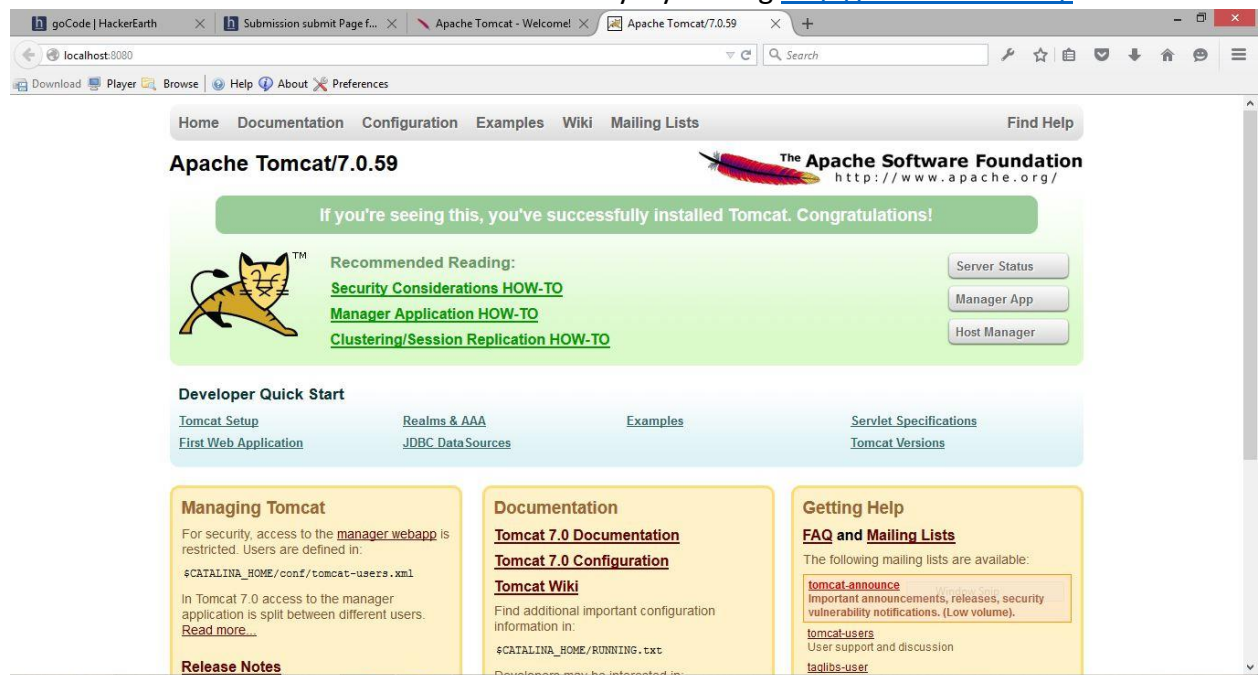
Setting Up Apache Tomcat Server

This app uses, java servlets in the back-end to handle various requests from the users.

Apache Tomcat server must be up and running to deploy the '3Go.war' file. Following are the instruction to do so:

1. Install Tomcat Server and configure it.
   Follow the instruction to install and configure Tomcat server correctly over the localhost. Site: http://tomcat.apache.org/. This site provides complete manual for configuring Tomcat server.

   To check whether Tomcat has been successfully try visiting http://localhost:8080/

If this page is accessible, this implies tomcat has been successfully configured.

Please Note: Make sure that port address is 8080, do not modify it, tomcat must be available on http://localhost:8080/ .

2. Setting up the username and password

a. Go to the install directory of tomcat.
b. Go to conf directory.
c. Open tomcat-user.xml file with an editor.
d. Scroll to the bottom and uncomment the following lines to create a user and password.

```
and thus are ignored when reading this file. Do not forget to remove
<!.. ..> that surrounds them.
-->
<!--
  <role rolename="tomcat"/>
  <role rolename="role1"/>
  <user username="tomcat" password="tomcat" roles="tomcat"/>
  <user username="both" password="tomcat" roles="tomcat,role1"/>
  <user username="role1" password="tomcat" roles="role1"/>
-->
</tomcat-users>
```

e. You can also create user of your choice. What is important that a user with role manager-gui is created.

```
<!.. ..> that surrounds them.
->

<role rolename="manager-gui"/>
<user password="tomcat" roles="manager-gui" username="tomcat"/>
```

3. <u>Deploying the war file</u>
   To deploy the war file click on 'Manager App' option on the Tomcat home screen.

The Apache Software Foundation
http://www.apache.org/

alled Tomcat. Congratulations!

- Server Status
- Manager App
- Host Manager

Enter the username and password, to open the page.

Browse the war file and click deploy to successfully deploy the servlet.

4. Making sure war file is deployed
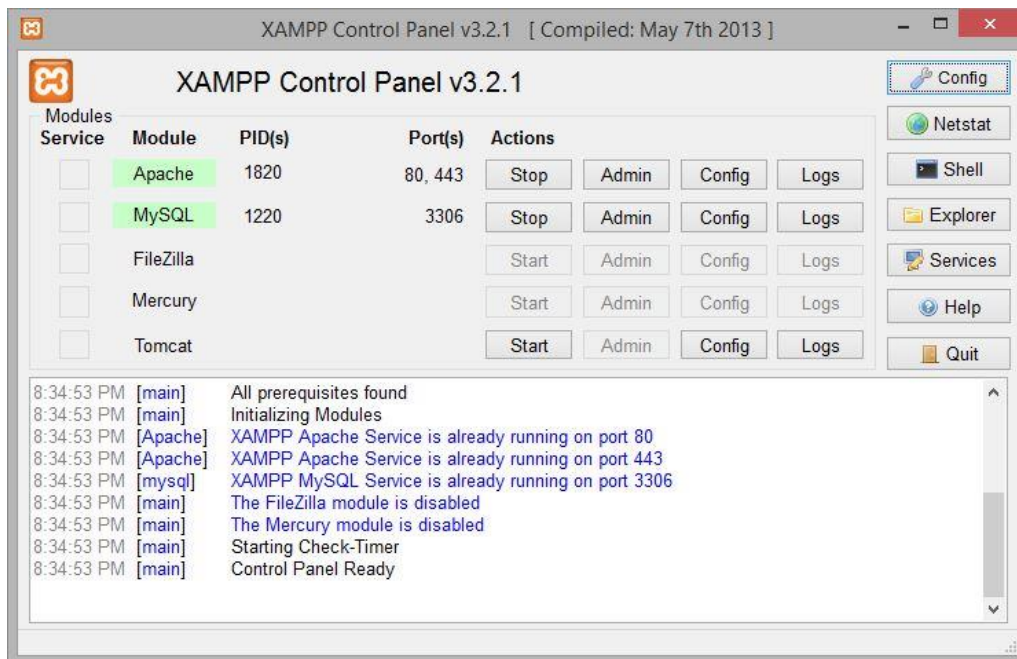   To make sure war file visit http://localhost:8080/Planning/ . A welcome screen will be displayed.

This finishes setting up tomcat environment. Next step is to set up MySQL server using Xampp.

Setting up MySQL using Xampp

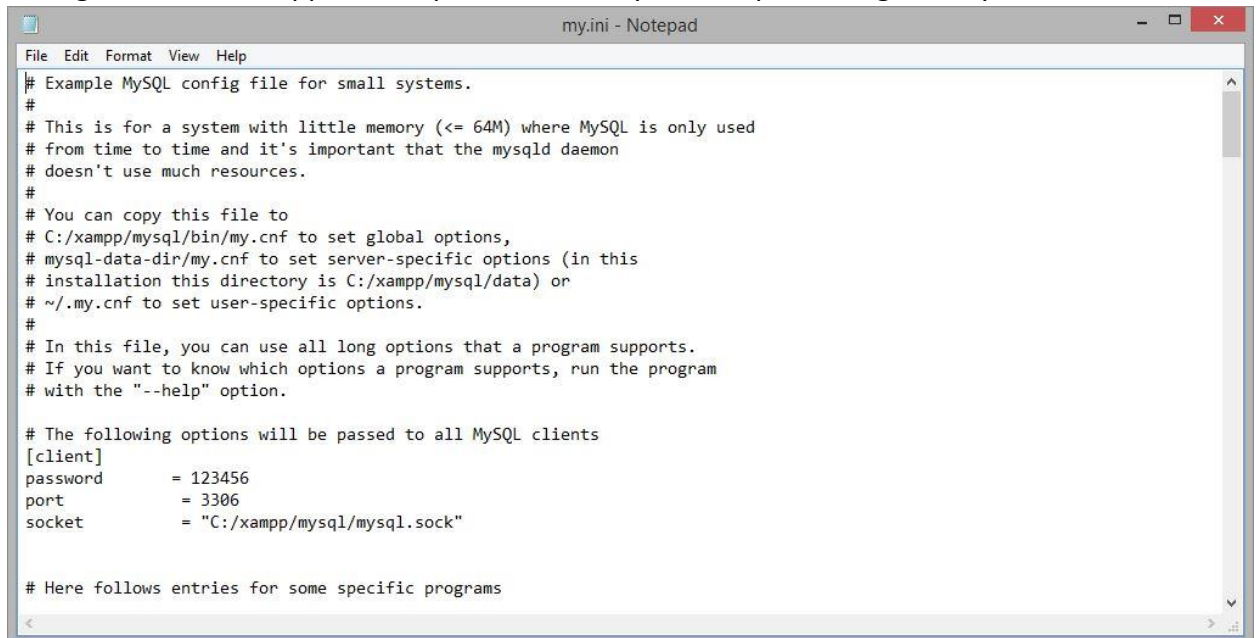1. Install Xampp
   Visit https://www.apachefriends.org/index.html and download the software for the appropriate operating system.
   Double click setup file and follow the on screen instruction to install the Xampp. Start the Xampp control panel and start the services.

2. Configure MySQL password

   This step is necessary, as java-servlets expects username to be 'root' and password to be '123456'. By default, in most cases, username is 'root' and password is *[null]*. Click on Config button on Xampp control panel beside MySQL to open config file 'my.ini'.

   Set the password as 123456, and save the file.

3. Verify if MySQL is configure properly

   Visit http://localhost/phpmyadmin/ , phpmyadmin home page should open.

Adding the database dump

1. Open the phpmyadmin interface. Create a new database 'planning'.

2. After successfully creating the database, select the database 'planning'. Then select tab 'Import' (Make sure that planning database is selected).

Browse to 'planning.sql' file provided in the source folder. And select 'Go'.
This completes setting up the database. Next follow the instructions to install the app into the emulator.

Setting Up the emulator

1. Open the 'AVD Manager.exe inside the android sdk folder.
2. Select a device and start it. You can create a device. Note that target API level is 22. It is necessary to have API level 22 or higher installed for app to work properly.
3. Now the device, has started.
   Open cmd and browse to the adb.exe file inside 'platforms-tools' in the android sdk folder.
   For eg: C:\Users\user_name\AppData\Local\Android\sdk\platform-tools
4. Now enter command,
   adb install [file_path].apk

   For eg adb install C:\3Go.apk, if 3Go.apk is in C drive.
5. Once the app has been installed, access it from the emulator and run it.