1. Eclipse

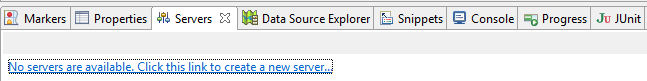
Download Luna Version of Eclipse from:

<https://www.eclipse.org/downloads/packages/eclipse-ide-java-ee-developers/lunasr2>

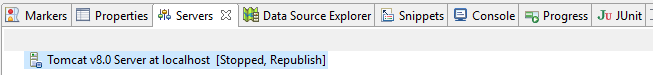
1. Tomcat Server setup
2. Download Tomcat Server 8 from:

<http://download.nextag.com/apache/tomcat/tomcat-8/v8.0.38/bin/apache-tomcat-8.0.38-windows-x64.zip>

1. Unzip the source
2. Setup the server in Eclipse:
3. First, there will be No servers as shown in Servers tab:

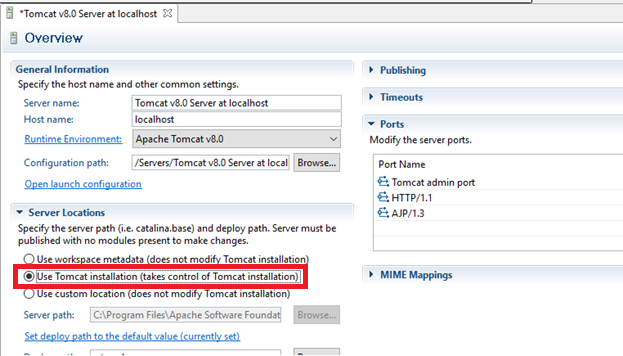


1. Click that link and select Apache>> Tomcat v8.0 Server and choose the downloaded folder path for Tomcat server.
2. Then we will see a new instance of Tomcat Server as shown below:

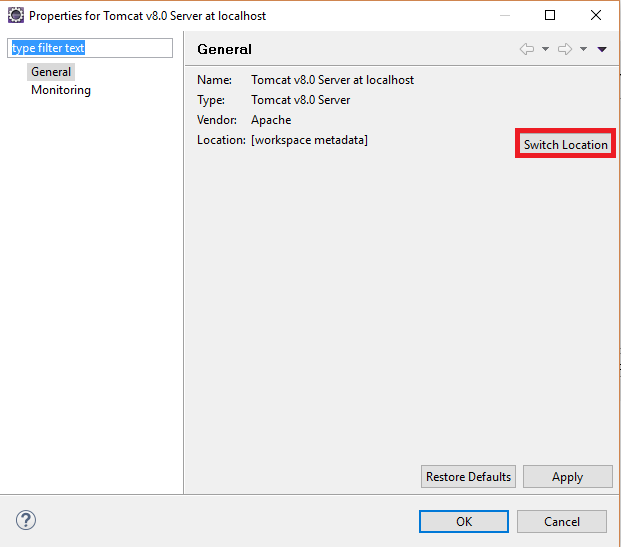


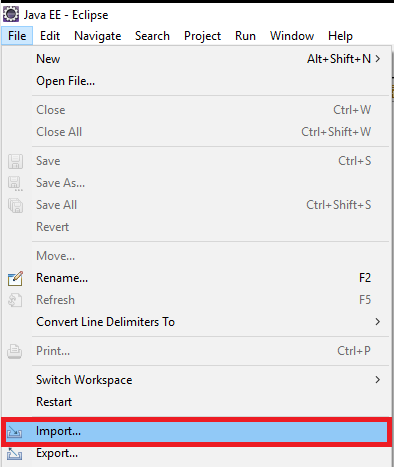
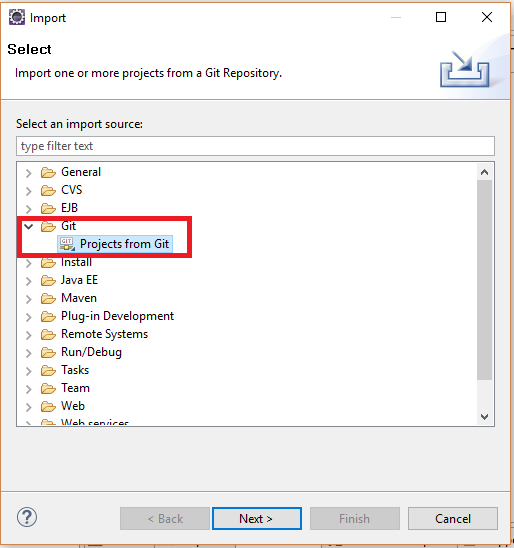
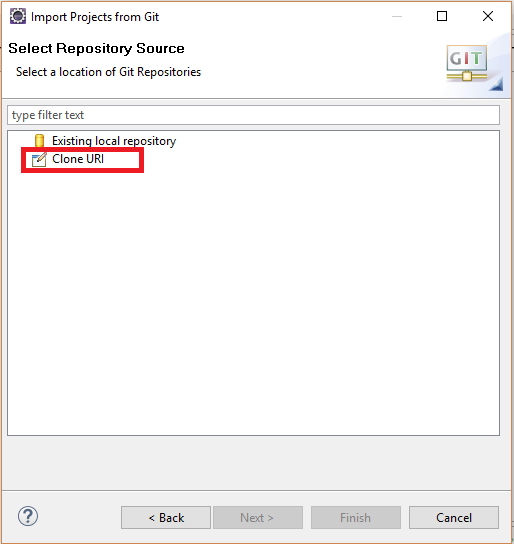
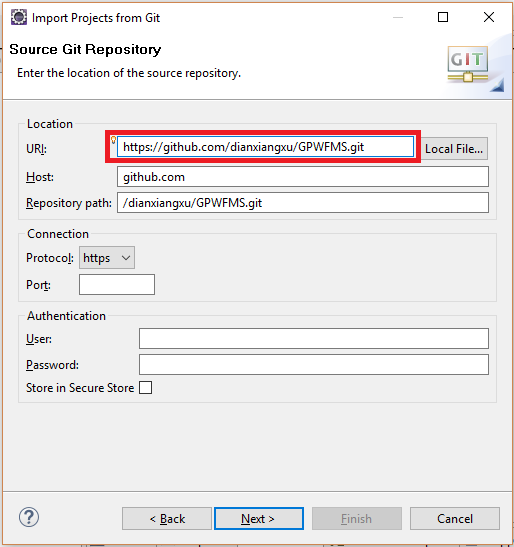
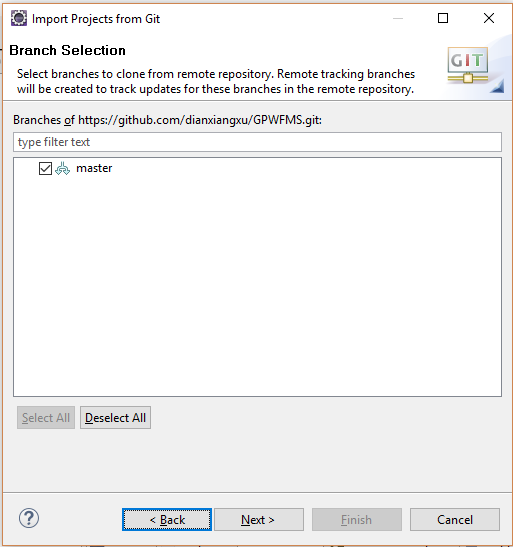
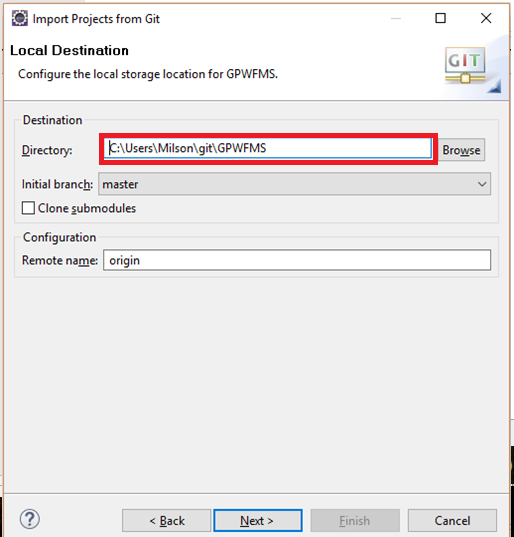
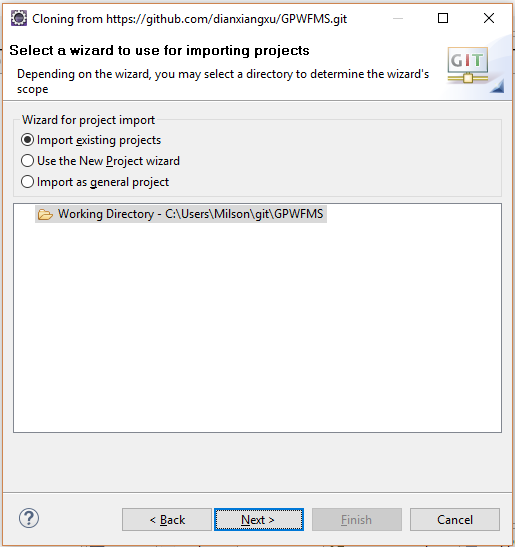
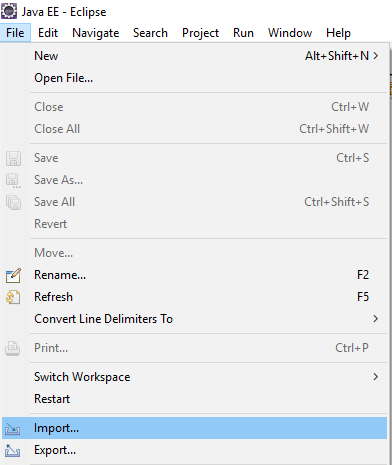
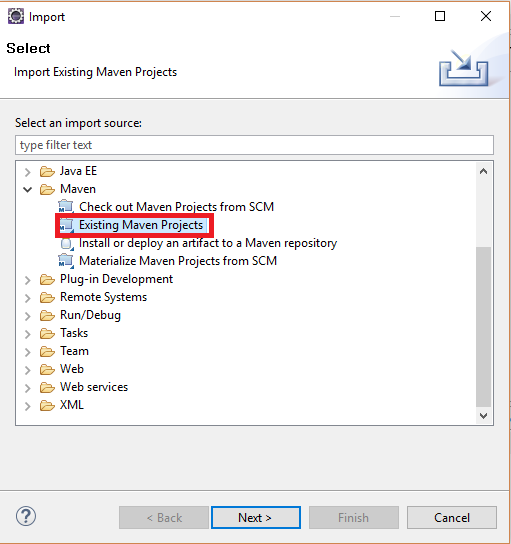
1. Double click that link and change the **Server Locations** option to:

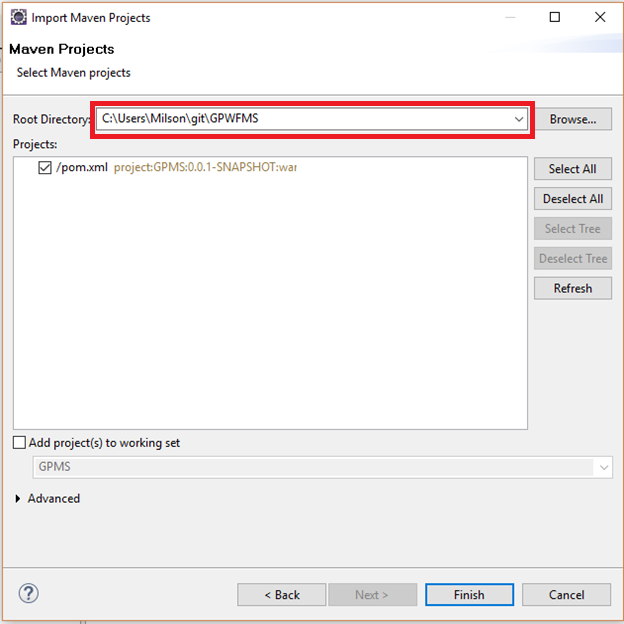
Use Tomcat installation as shown below:



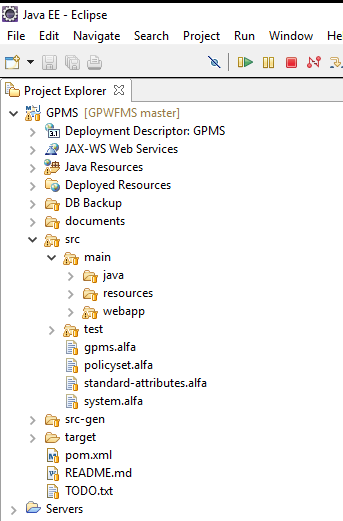
1. Also, we need to Right click the Server link as shown in step c and select the Switch Location button as shown below:



1. Import GPMS folder from Github repository:
2. 
3. 
4. 
5. https://github.com/dianxiangxu/GPWFMS.git
6. 
7. 
8. 
9. 
10. After the git repo is successfully created on given folder, we need to import this project as an existing Maven repository as follows:
11. 
12. 
13. Browse and choose the recently created git repo path:

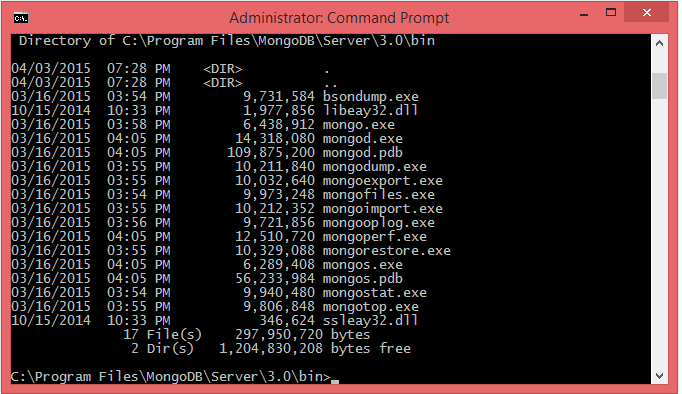


1. Click Finish and the folder structure looks like this:

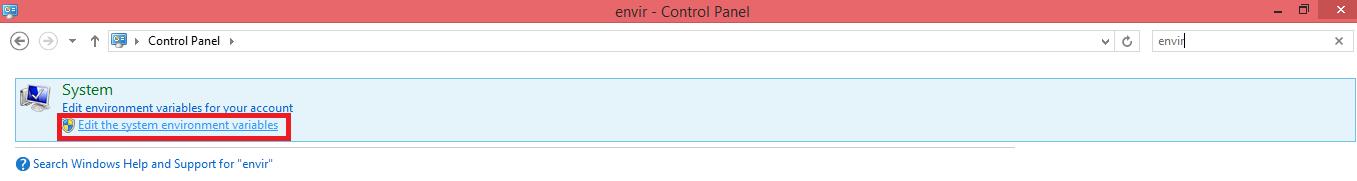


1. MongoDB
2. Download the Current Stable Release of MongoDB i.e. .msi installer from: <https://www.mongodb.org/downloads> for windows OS.
3. Install the **msi** intaller and installation folder will be:

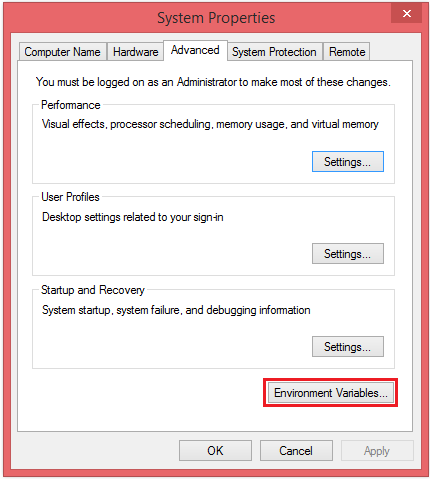
***C:\Program Files\MongoDB\Server\3.0\bin***

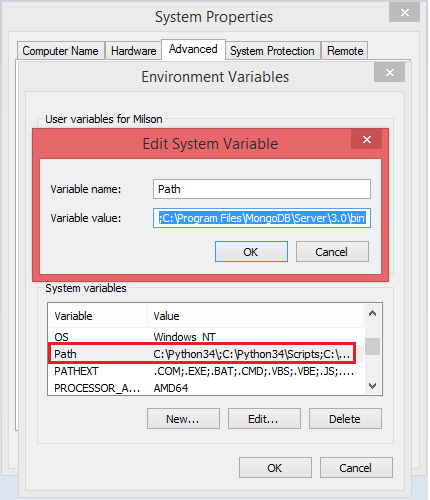


1. Set up the MongoDB Environment:
2. Go to the ***Control Panel*** and “***Edit the System environment variables”***:

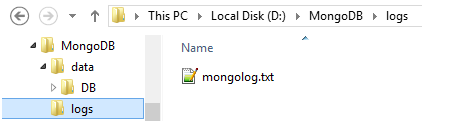


1. Edit PATH variable and append “***C:\Program Files\MongoDB\Server\3.0\bin***” as shown below:





1. MongoDB requires a data directory to store all data. We can customize this and define our own folder for convenience. For our purpose, we need to create "**D:\MongoDB**". And create “**D:\MongoDB\data\DB”** and **“D:\MongoDB\logs”** folders and create an Empty **mongolog.txt** file in **“D:\MongoDB\logs”** folder as shown below:



1. Open "**Command Prompt as Administrator**" and go to your MongoDB installation directory path upto **bin** folder using following command:

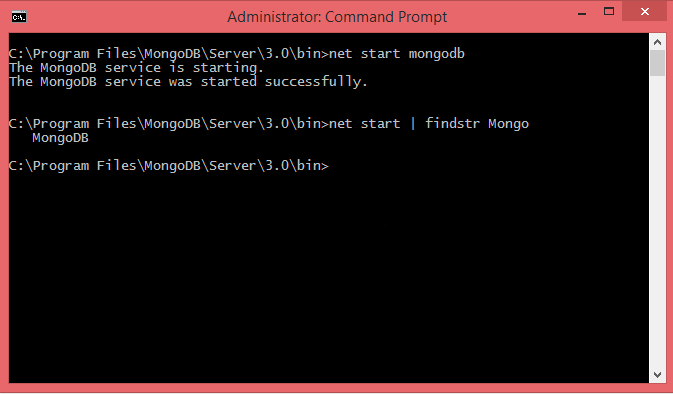
**cd C:\Program Files\MongoDB\Server\3.0\bin**

1. To install MongoDB as background Windows Service, run this command in terminal:

*mongod --dbpath "D:\MongoDB\data\DB" --logpath "D:\MongoDB\logs\mongolog.txt" --install --serviceName "MongoDB"*

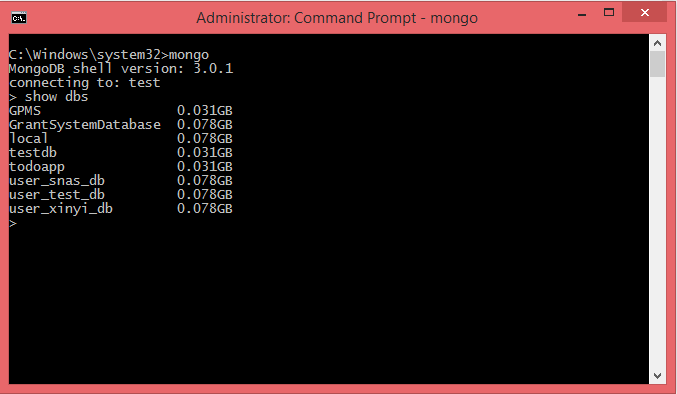
1. To start the registered “MongoDB” service we need to execute following command from the " **C:\Program Files\MongoDB\Server\3.0\bin** " path:  
           - ***net start mongodb***
2. To verify the MongoDB service is running we can check using following command:

 - ***net start | findstr Mongo***



1. To connect with mongo.exe shell, we can just start just typing:

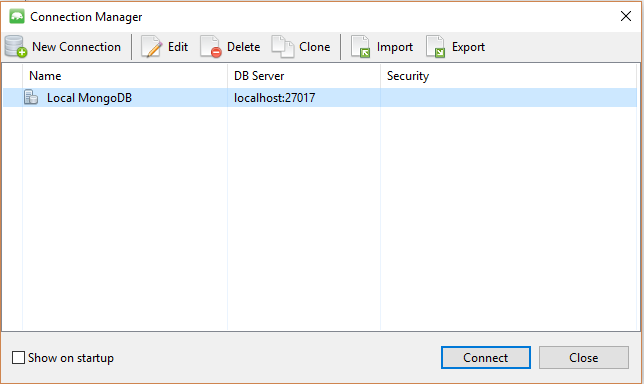
* ***mongo***



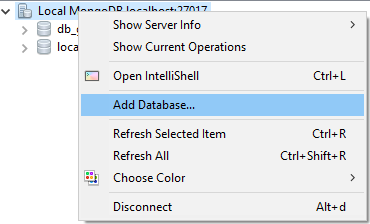
1. Install the Client GUI for MongoDB called **3T MongoChef** from:

<http://3t.io/mongochef/>

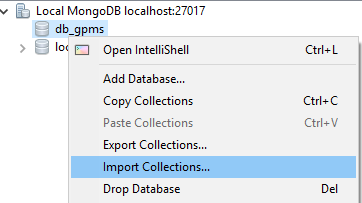
Connect to the Local Connection:



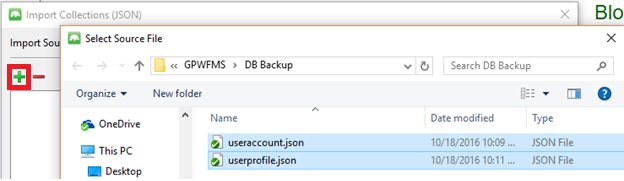
1. Add new database:



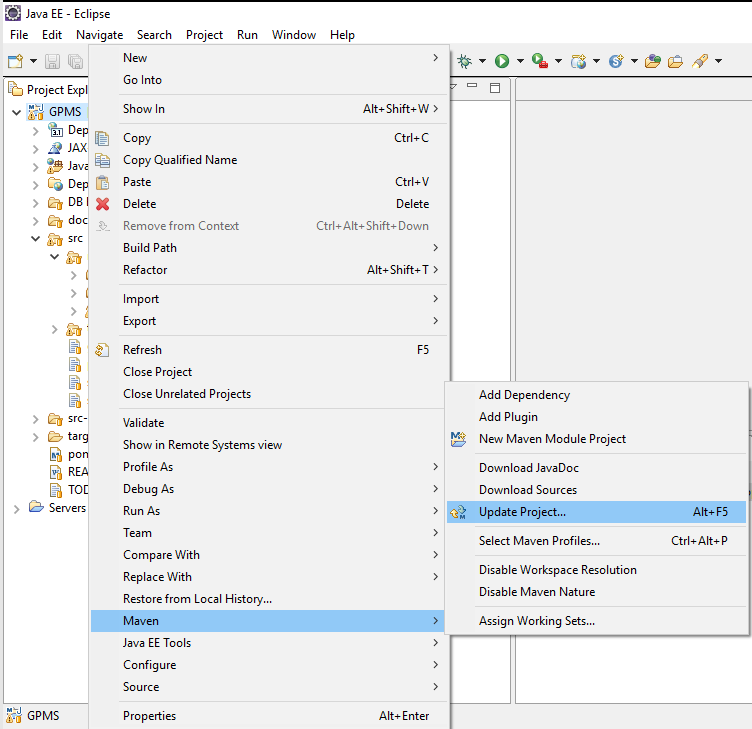
1. Name the new database as “**db\_gpms**” and import the default users using Import option:



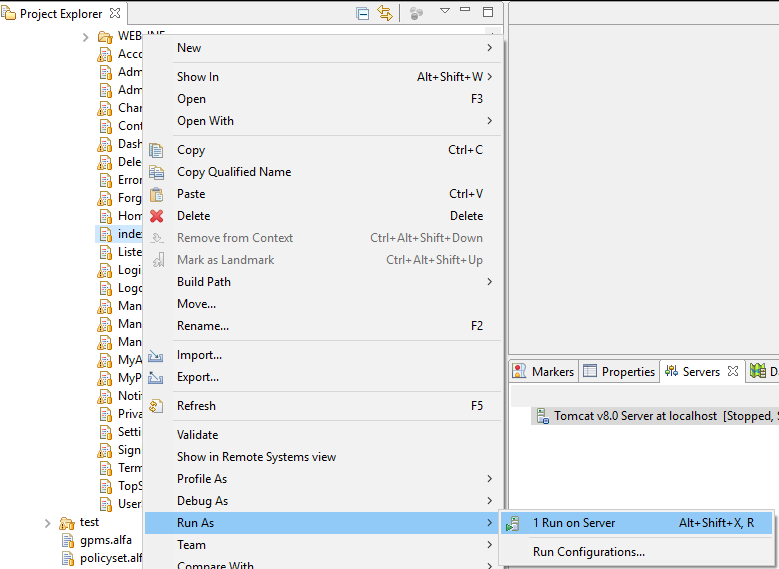
1. Import the default databases json format from: **<GPMS Source folder>\DB Backup**



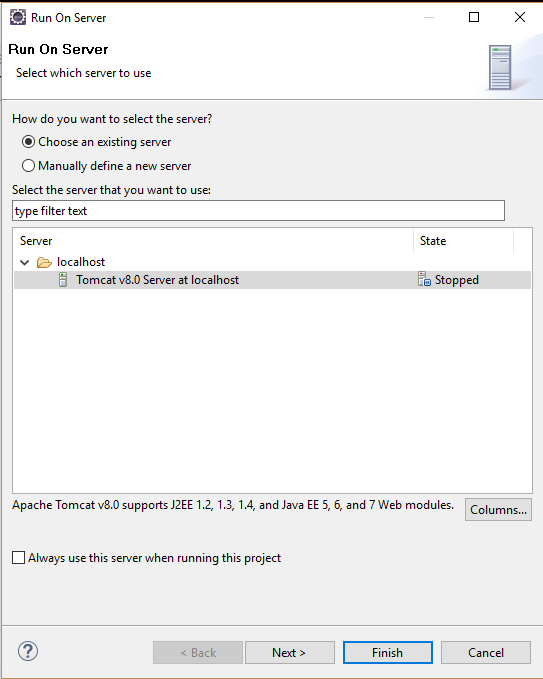
1. Running GPMS in Eclipse:

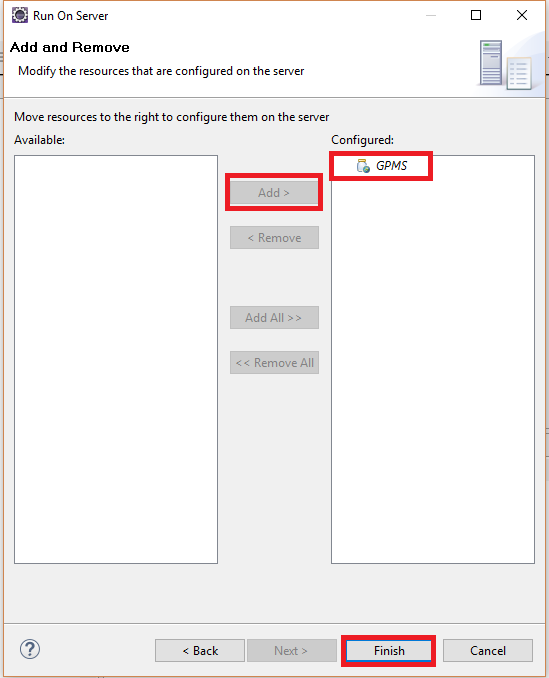


Select the index.jsp page and right click to open: Run As option:



Run on Server as shown here:



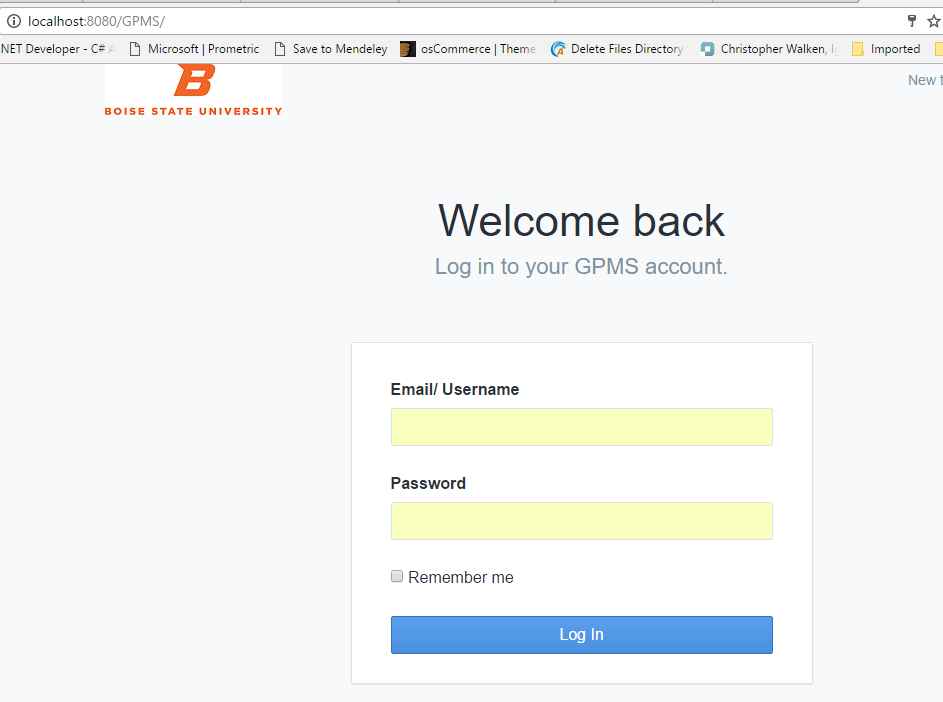


Now after successful run we can see the browser can load the test index.jsp page:

<http://localhost:8080/GPMS/index.jsp>

The default GPMS home page can be opened using this url now:

<http://localhost:8080/GPMS/>



As we already had imported the default GPMS users in our MongoDB database we can do login into the system.

Some of the default existing User **Logins** are listed below:

## Admin:

## Username: admin

noreplygpms@gmail.com

**Password**: gpmspassword

**Position Type**: University administrator

**Position Title**: **IRB, University Research Administrator, University Research Director**

## IRBs:

## [irbcomputerscience@gmail.com](mailto:irbcomputerscience@gmail.com), [irbelectricalengineering@gmail.com](mailto:irbelectricalengineering@gmail.com)

## University Research Administrators:

## [racomputerscience@gmail.com](mailto:racomputerscience@gmail.com)

## University Research Directors:

## [directorcomputerscience@gmail.com](mailto:directorcomputerscience@gmail.com)

## College: Engineering

**Department**: Computer Engineering, Computer Science, Electrical Engineering

**Position Type**: Professional staff

**Position Title**: **Business Manager**, Department Administrative Assistant

## Business Managers:

## [bmcomputerengineering1@gmail.com](mailto:bmcomputerengineering1@gmail.com), [bmcomputerscience@gmail.com](mailto:bmcomputerscience@gmail.com), bmelectricalengineering@gmail.com

**Position Type**: Administrator

**Position Title**: **Department Chair**, Associate Chair, **Dean**, Associate Dean

## Department Chairs: [chaircomputerengineering@gmail.com](mailto:chaircomputerengineering@gmail.com), chaircomputerscience@gmail.com, chairelectricalengineering@gmail.com

## For Delegation Test we have Associate Chair from Computer Science Department:

|  |  |
| --- | --- |
| Username | Password |
| edmund | gpmspassword |

## Deans:

## [deancomputerengineering@gmail.com](mailto:deancomputerengineering@gmail.com), [deancomputerscience@gmail.com](mailto:deancomputerscience@gmail.com), deanelectricalengineering@gmail.com

2. **College:** Science

**Department:** Physics, Chemistry

**Chairs:**

[chairphysics1@gmail.com](mailto:chairphysics1@gmail.com), chairchemistry@gmail.com

## Business Managers:

[bmphysics1@gmail.com](mailto:bmphysics1@gmail.com), bmchemistry1@gmail.com

**Deans:**

[deanphysics1@gmail.com](mailto:deanphysics1@gmail.com), deanchemistry1@gmail.com

**Some General Users:**

**Position Type:** Non-tenure-track research faculty

**Position Title:** Research Professor, Associate Research Professor, Assistant Research Professor, Clinical Professor, Clinical Associate Professor, Clinical Assistant Professor, Visiting Professor, Visiting Associate Professor, Visiting Assistant Professor

**Position Type:** Research staff

**Position Title:** Research Associate, Research Scientist, Senior Research Scientist

**Position Type:** Teaching faculty

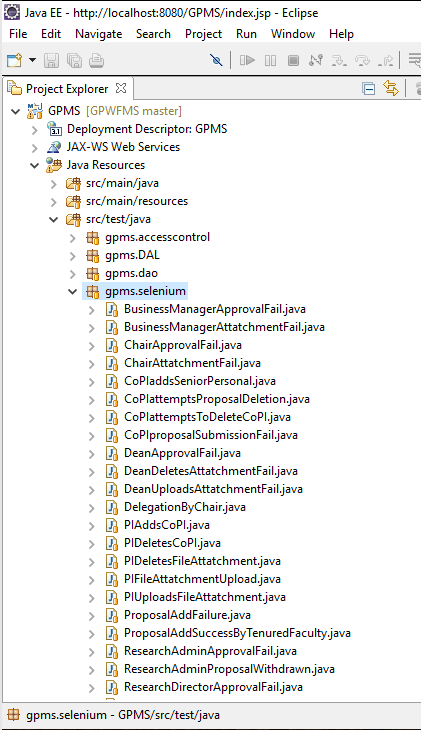
**Position Title:** Lecturer, Senior Lecturer, Adjunct Professor

**Position Type:** Tenured/tenure-track faculty

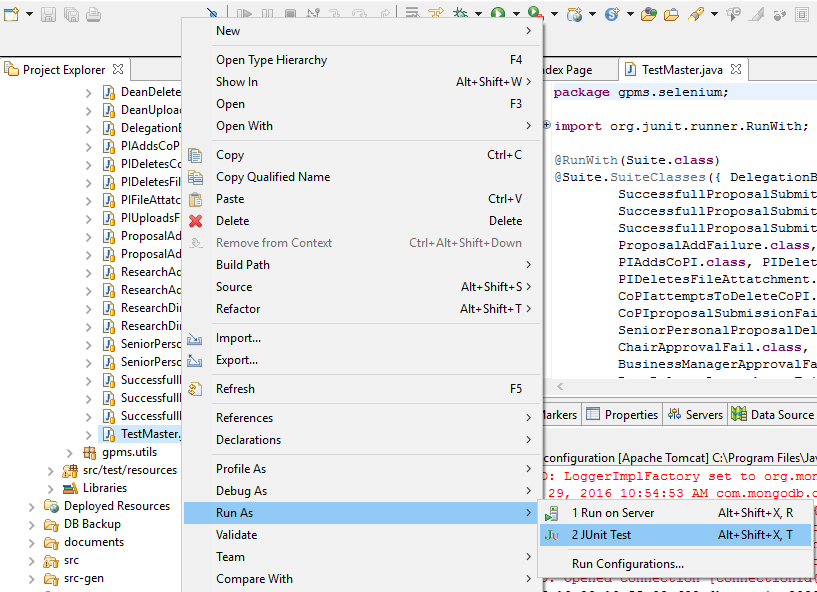
**Position Title:** Distinguished Professor, Professor, Associate Professor, Assistant Professor

|  |  |
| --- | --- |
| Username | Passwords |
| milson | gpmspassword |
| NickC | gpmspassword |
| liliana | gpmspassword |
| samer | gpmspassword |
| tamanna | gpmspassword |
| selena | gpmspassword |

1. Selenium Test Cases:

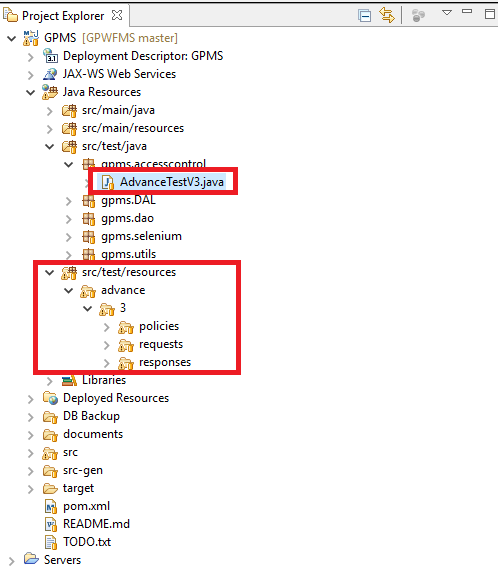


We can run all at once the all test cases just running TestMaster.java file as jUnit Test.



1. Conformation Policy Test Cases can be done using:

**AdvanceTestV3.java** jUnit Test Class.



We can add any number of policies, their corresponding requests and responses in “**src/test/resources/advance/3”** folder as shown above.