1. **Team members:**

Minh Hung Le; ID: 015511340; minh.h.le01@sjsu.edu
Reagan Mackey; ID: 015377284; reagan.mackey@sjsu.edu
Prathana Phukon; ID: 016001466; prathana.phukon@sjsu.edu

2. **Work Division:**

**Minh Hung Le:**

- Create Sign up scene and controller, including professors and students sign up.
- Create Professor Review scene and controller, including writing review, review filter, report feature, and professor reply function.
- Create Support ticket science and controller, which allows the user to send a support ticket to the database.

**Reagan Mackey:**

- Create College Review scene and controller, including writing review, review filter, report feature, and professor reply function.
- Connecting and unifying all team member code assignments into the final project package.
- Testing the application and creating an application demo.

**Prathana Phukon:**

- Constructing EER Model and derive appropriate DDL command for construct all schema and table.
- Create Add professor and college scene and controller, which allows students to add new professors or schools to the database.
- Document team projects, organize team meetings, and manage team workflow.

3. **Project setup:**

**Step1: Installation software and connection:**
**Java Development Kit (Java SE 18 )**
https://www.oracle.com/java/technologies/downloads/#jdk18-windows

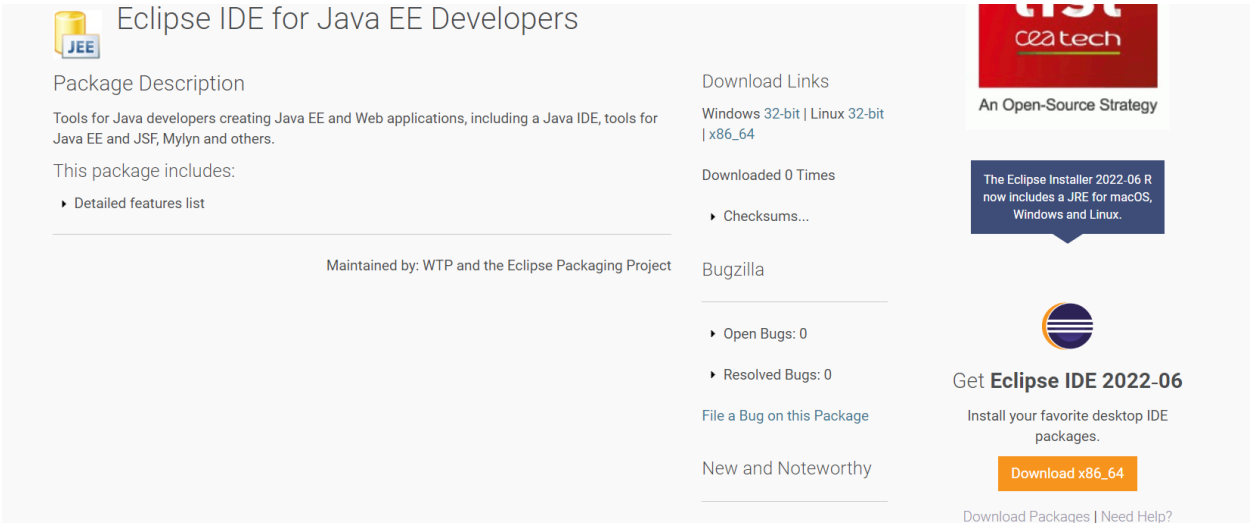
Choose the appropriate version and follow the instructions of the java .exe file to download Java:

Linux macOS Windows

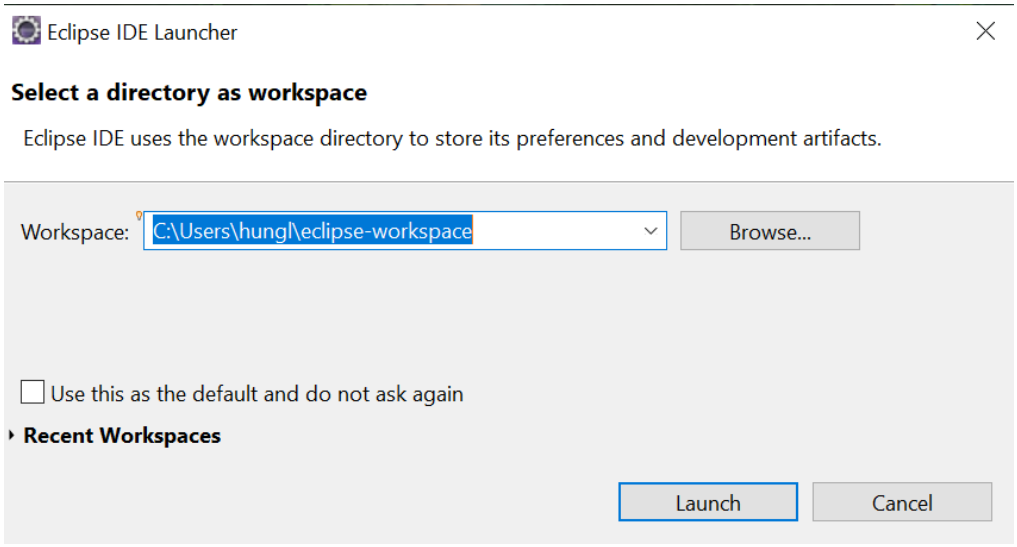
| Product/file description | File size | Download |
|---|---|---|
| x64 Compressed Archive | 172.79 MB | https://download.oracle.com/java/18/latest/jdk-18_windows-x64_bin.zip (sha256) |
| x64 Installer | 153.37 MB | https://download.oracle.com/java/18/latest/jdk-18_windows-x64_bin.exe (sha256) |
| x64 MSI Installer | 152.25 MB | https://download.oracle.com/java/18/latest/jdk-18_windows-x64_bin.msi (sha256) |

**Eclipse IDE (2022-06)**
https://www.eclipse.org/downloads/download.php?file=/oomph/epp/2022-06/R/eclipse-inst-jre-win64.exe

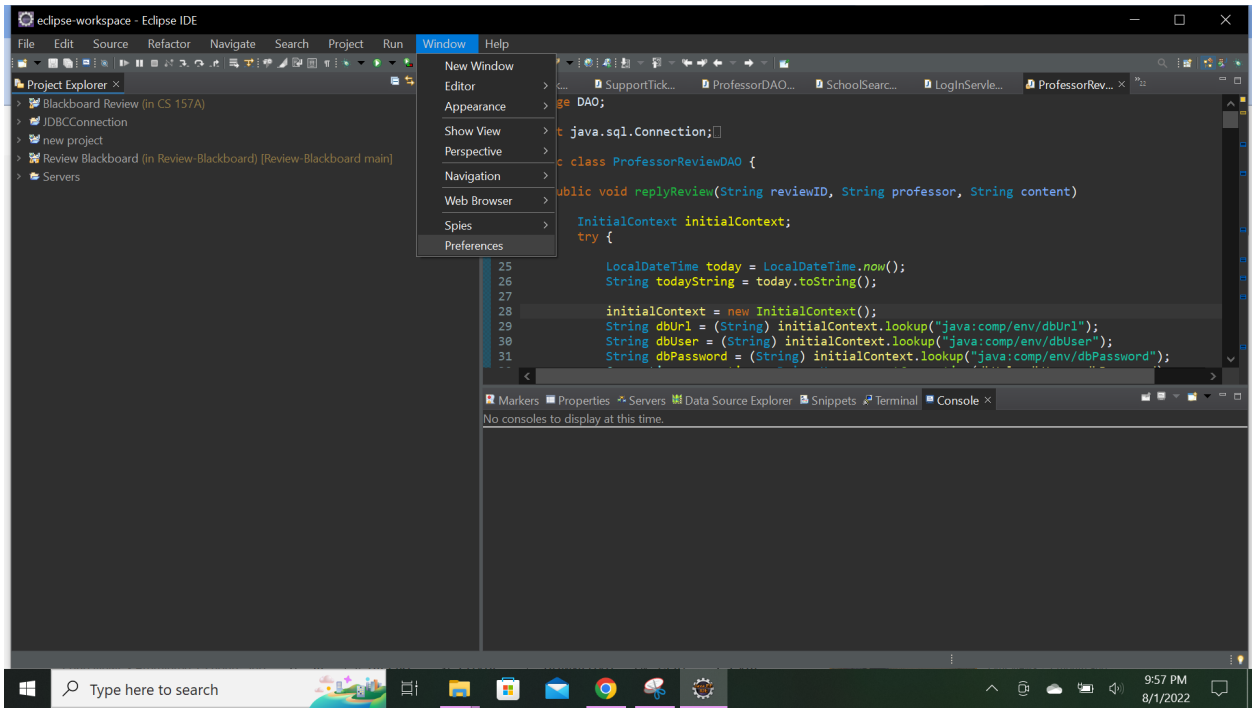
Choose the appropriate operation version and follow the eclipse instruction to get Eclipse IDE



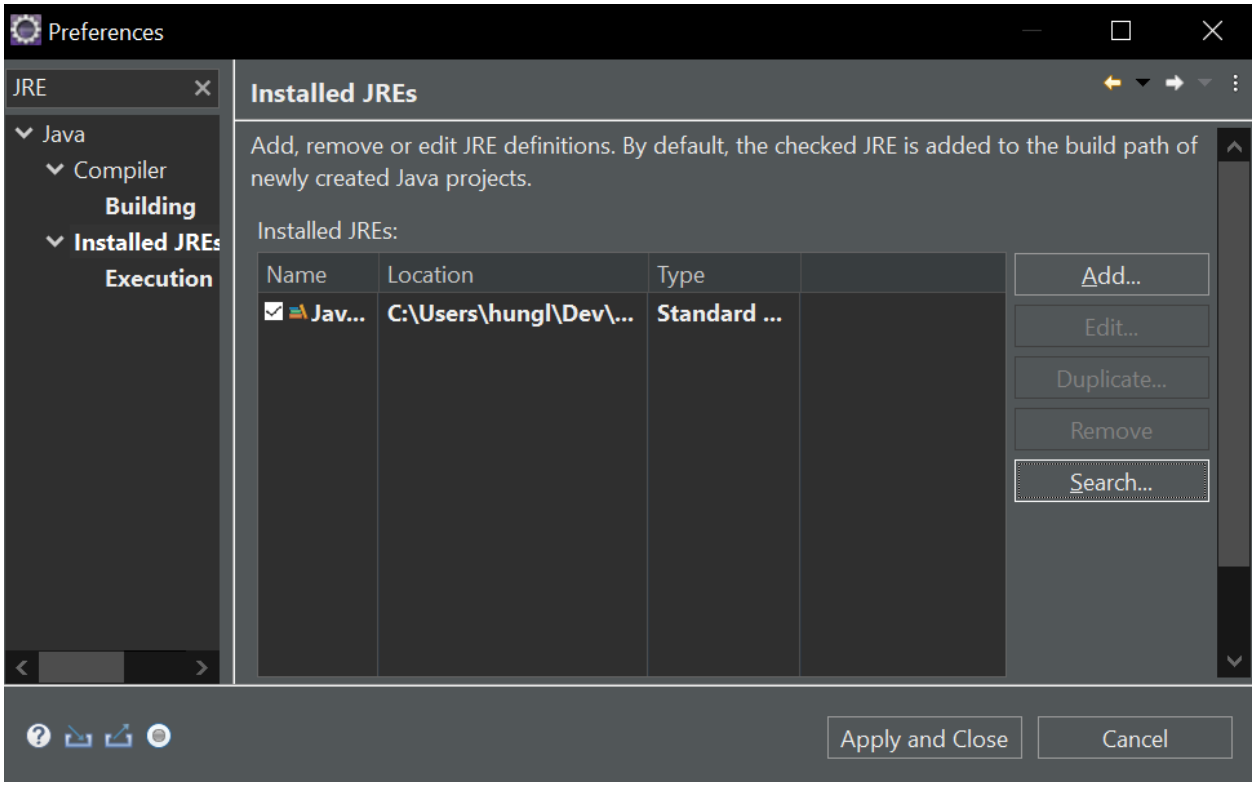

**Configuring JDK in Eclipse:**
Launch eclipse EE




Open the window and choose Preferences:



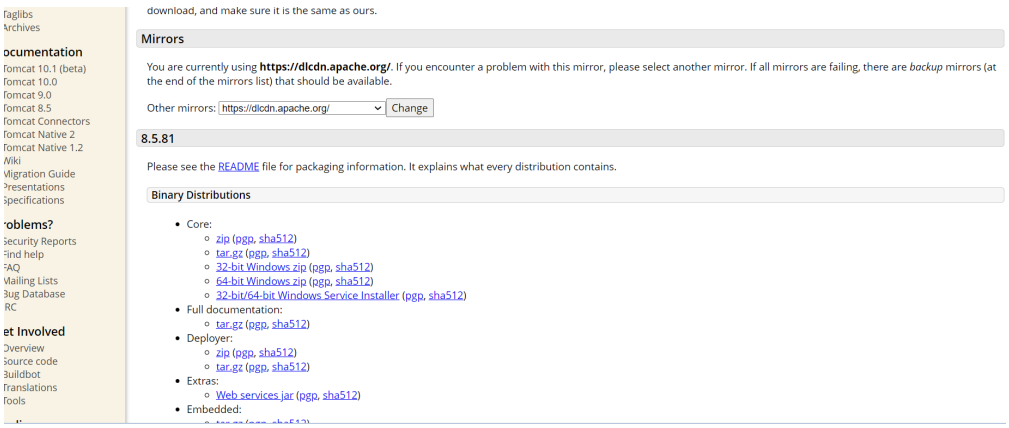

Search JRE selects Installed JREs, and search choose installed JDK previously:



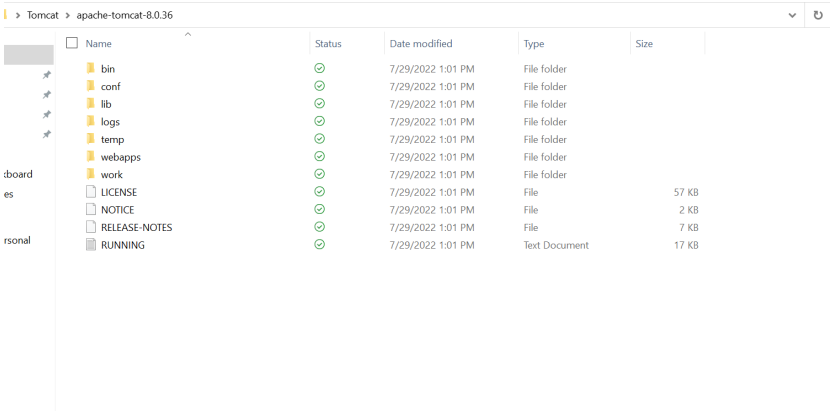

Click Apply and closed.

**Apache Tomcat (8.0.36)**
**https://tomcat.apache.org/download-80.cgi**

Choosing the appropriate version:
For window, choose 64-bit Windown.zip
For Mac and Linux, choose tar.gz

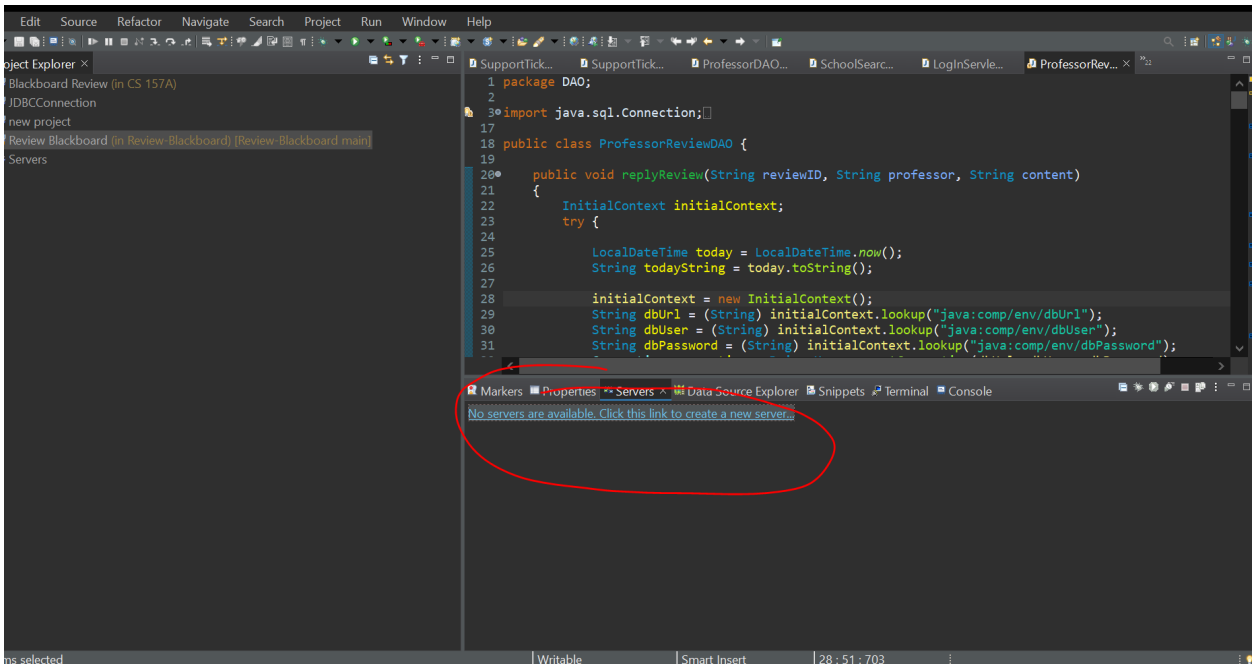


Unzip the package and save it to the appropriate location:

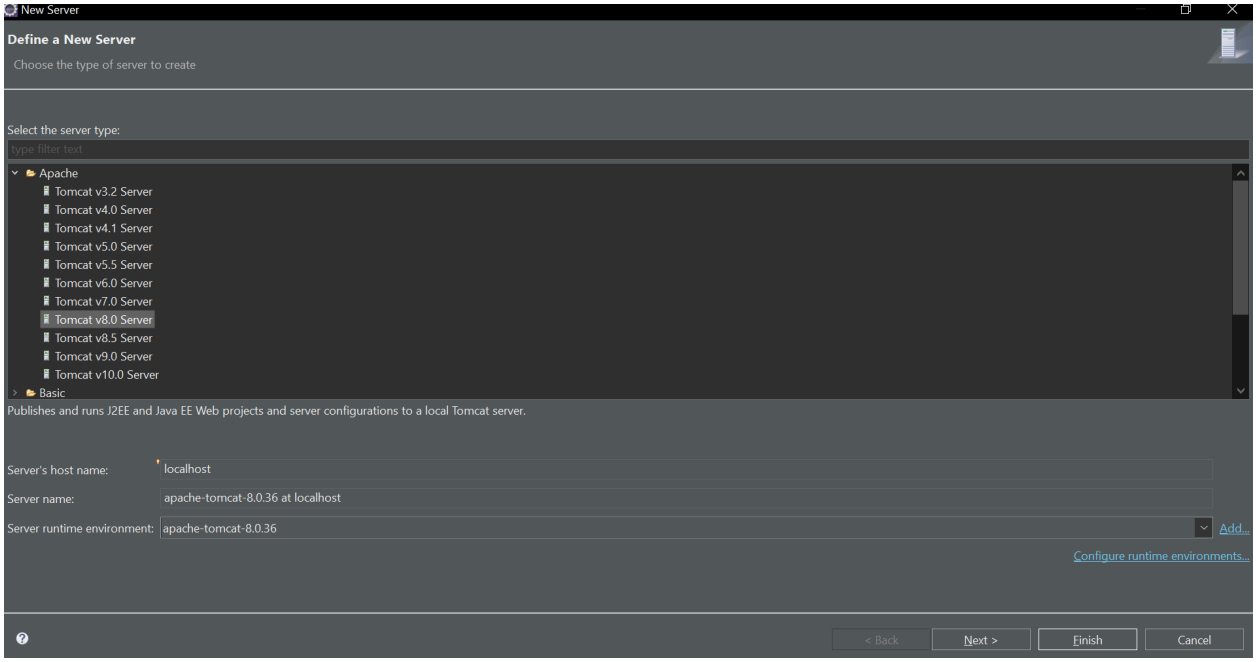



**Configuring Tomcat in Eclipse:**

Open the server tab and click create a new server



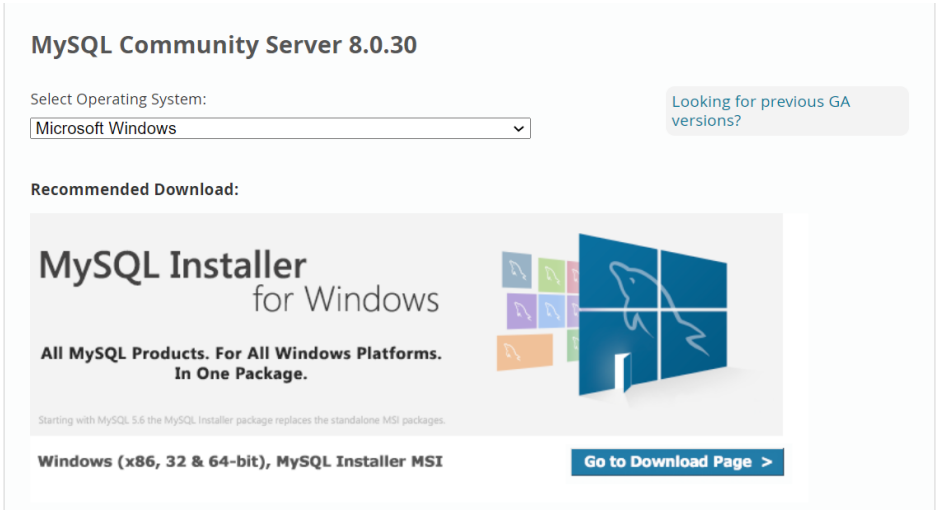

Open Apache and choose the appropriate tomcat version, then click finish:



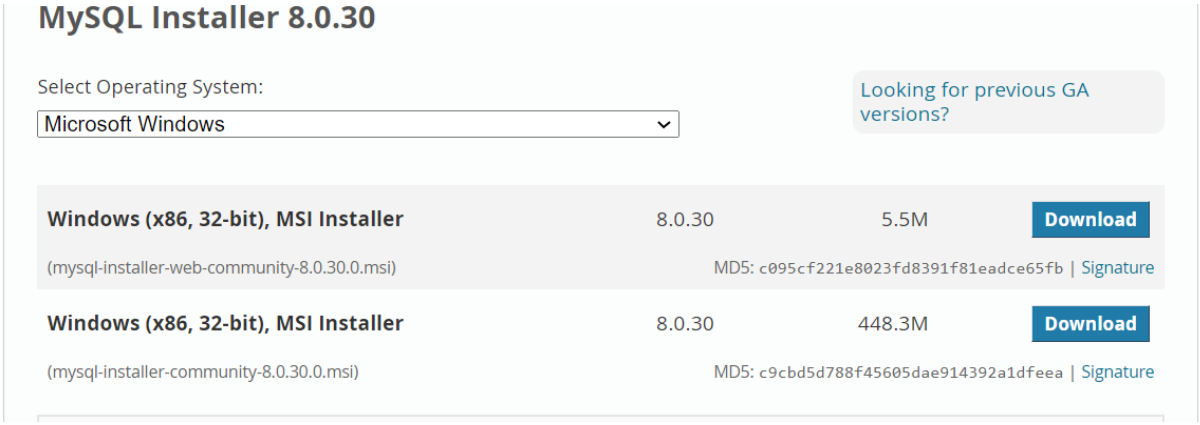

## MySQL Server

https://dev.mysql.com/downloads/mysql/

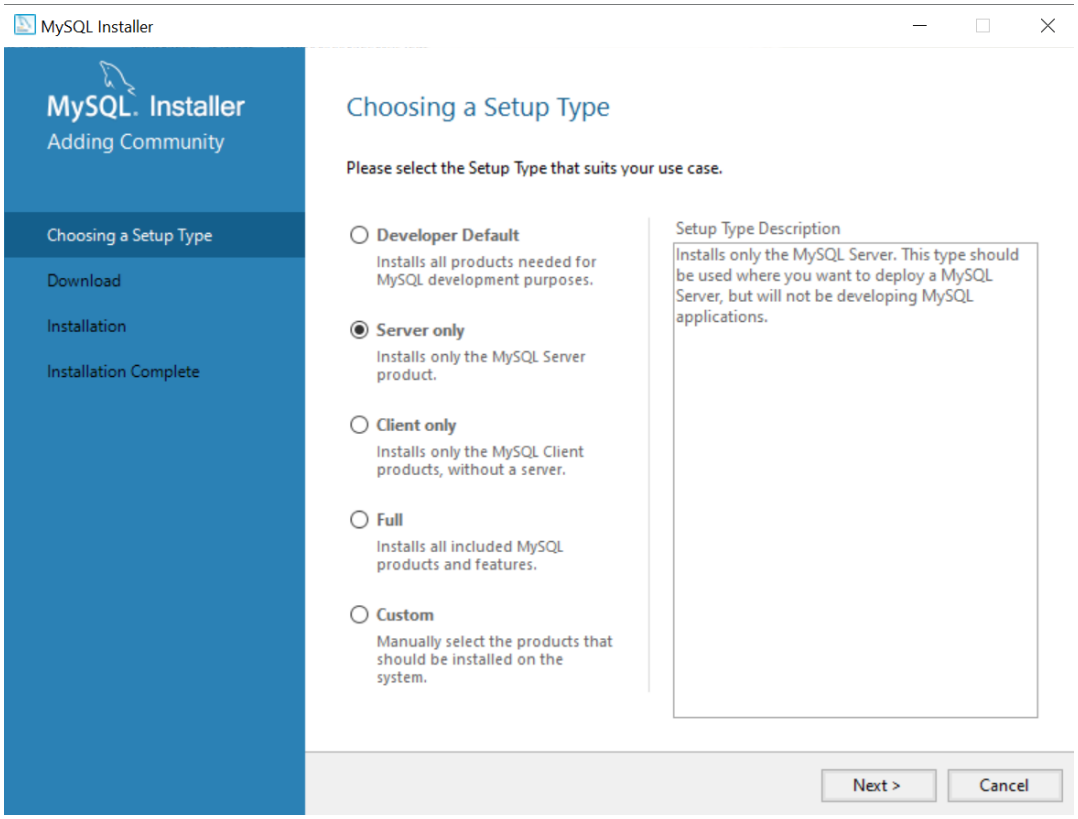
Choose your Operating System, and click Go to download page:



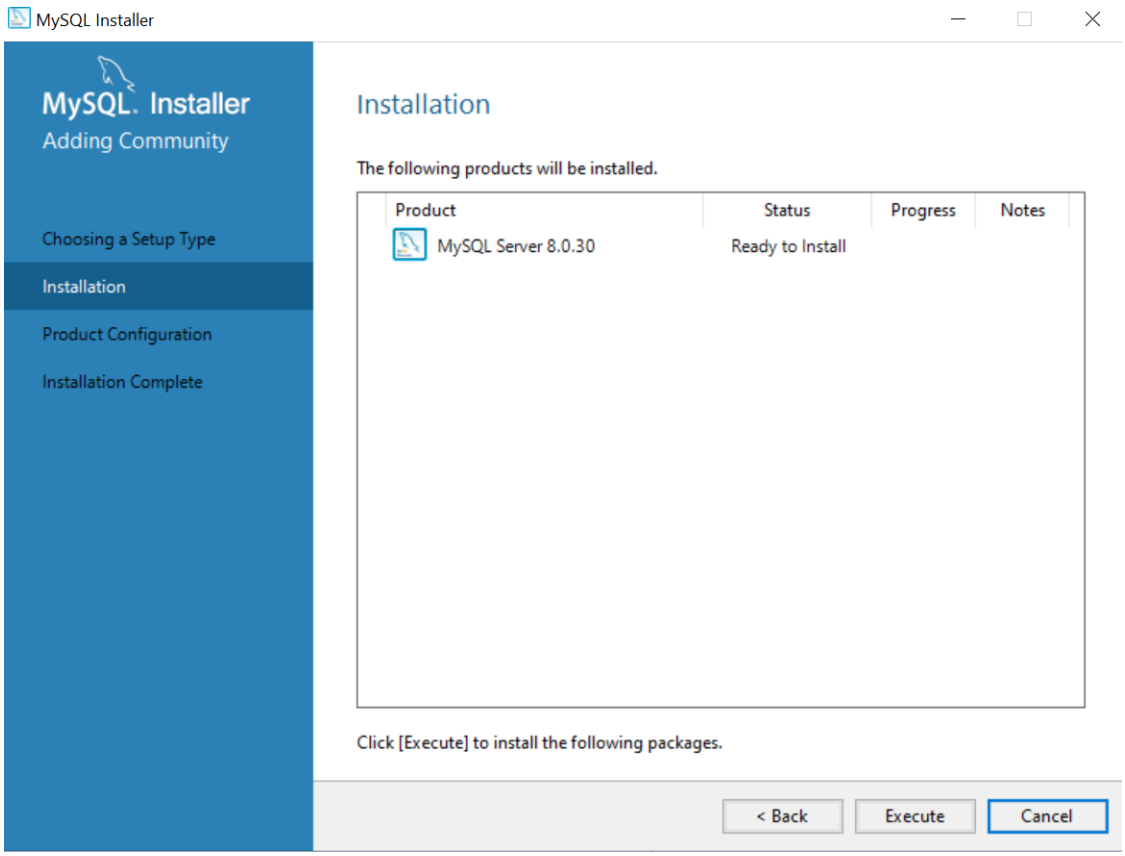

Choose either version to download



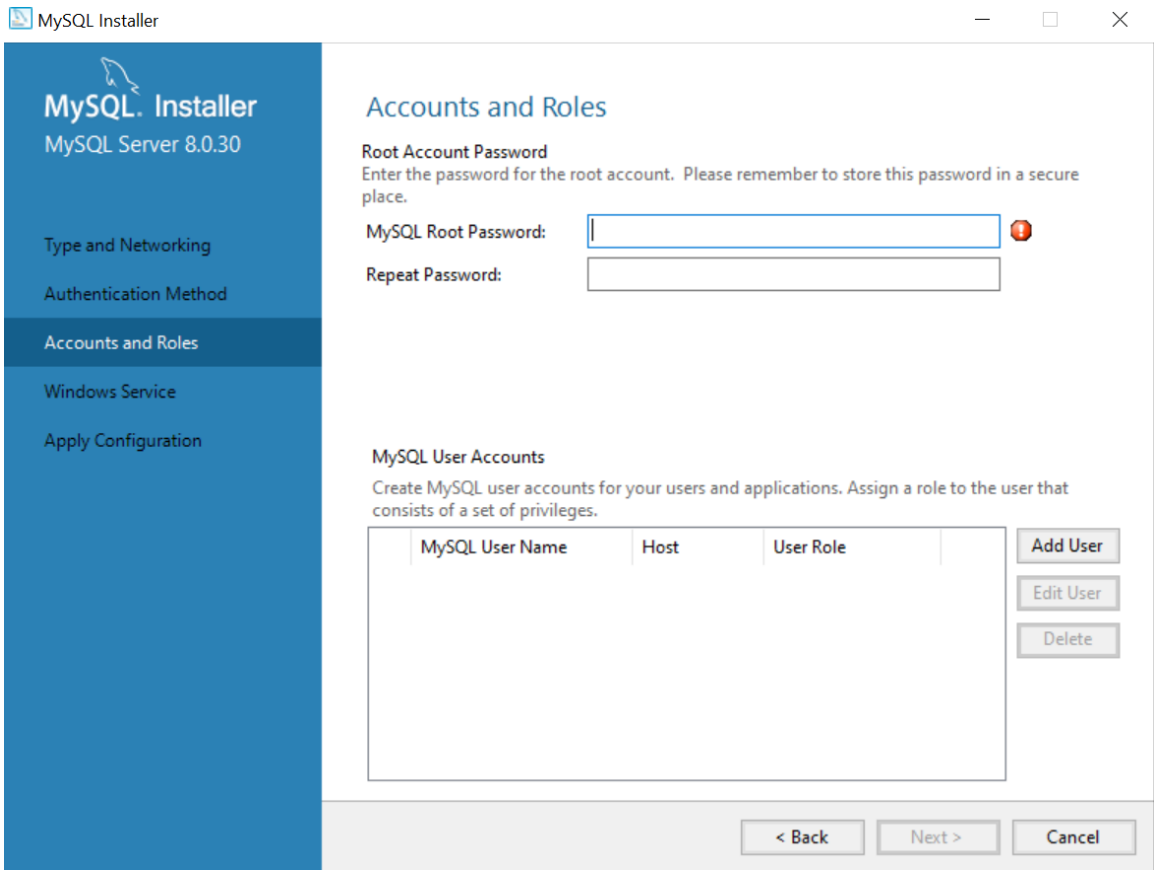

Run the .exe file and follow the instruction:
Choose the web server only option, then click next



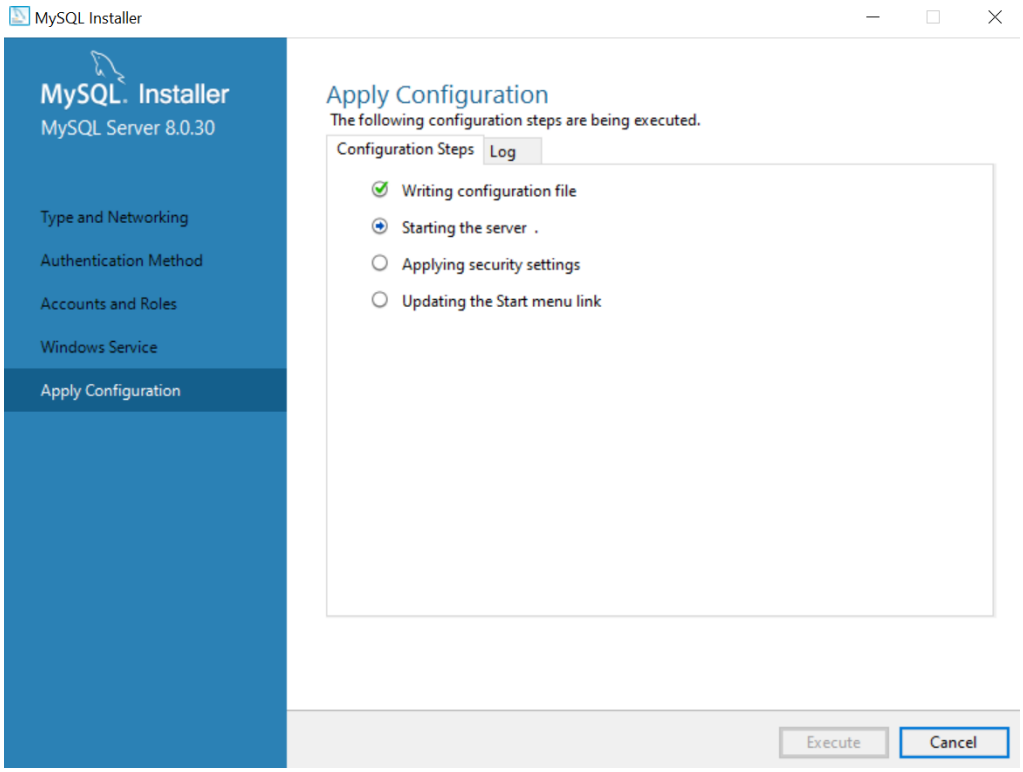

Click Execute and wait a few minutes:




Then click next until seeing the scene set up a password, for minimal setting up using the password “oracle”

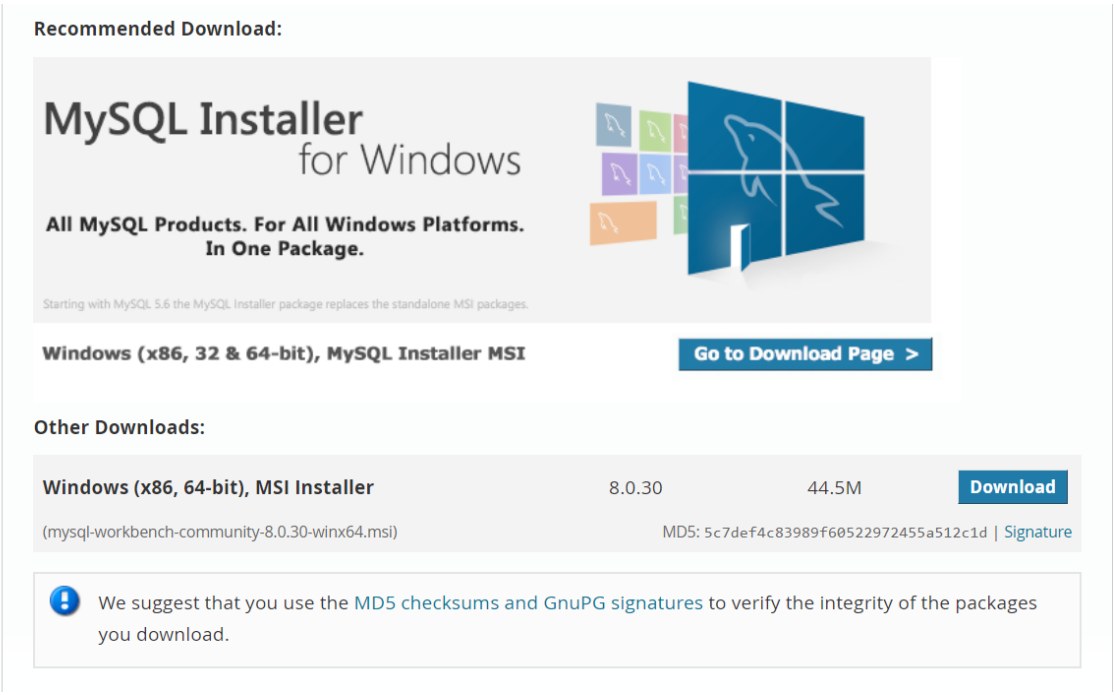



Click next then execute:

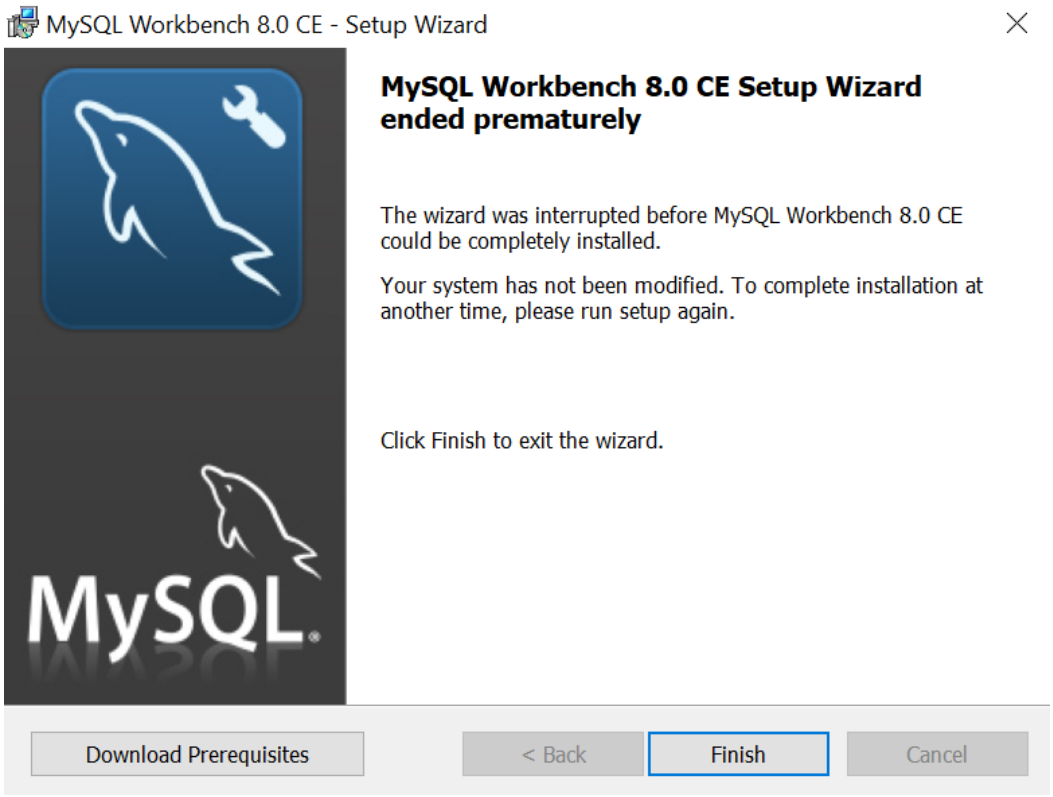



Wait until the program is complete, then click finish

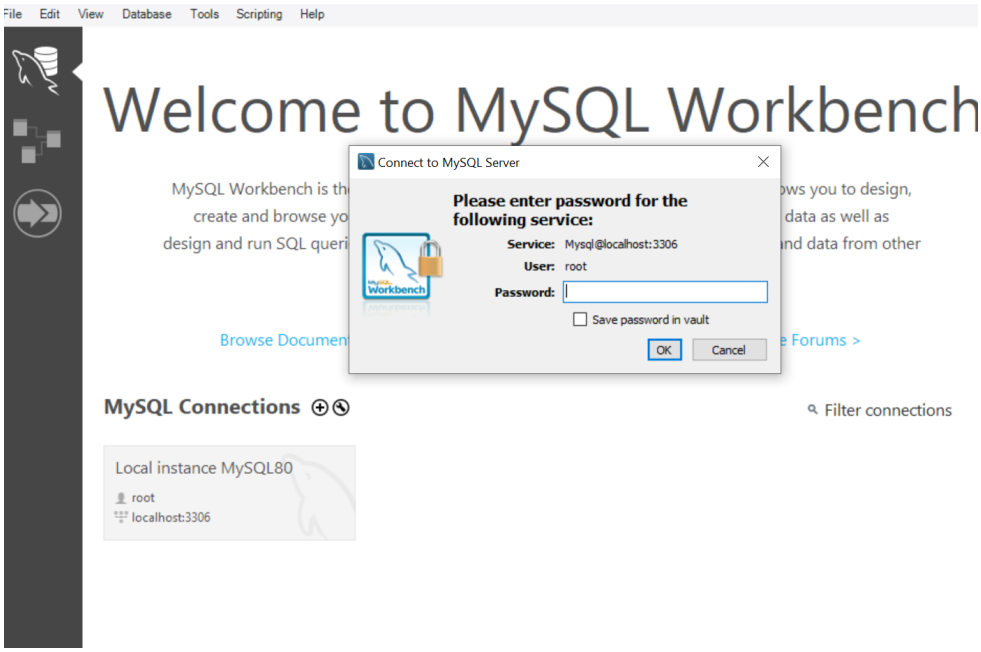
**MySQL Workbench (8.0.30):**
https://dev.mysql.com/downloads/workbench/




Follow the .exe file instruction and install the MySql workbench:

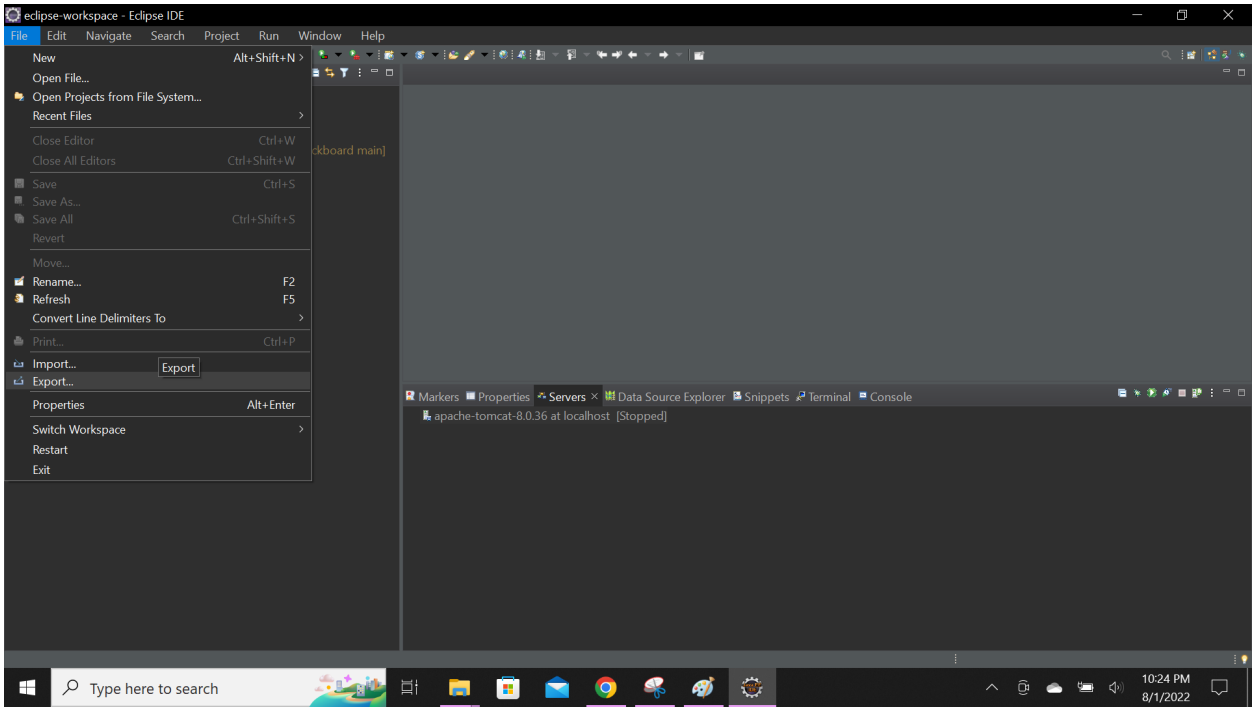



Launch it and use the password set up previously to log In:

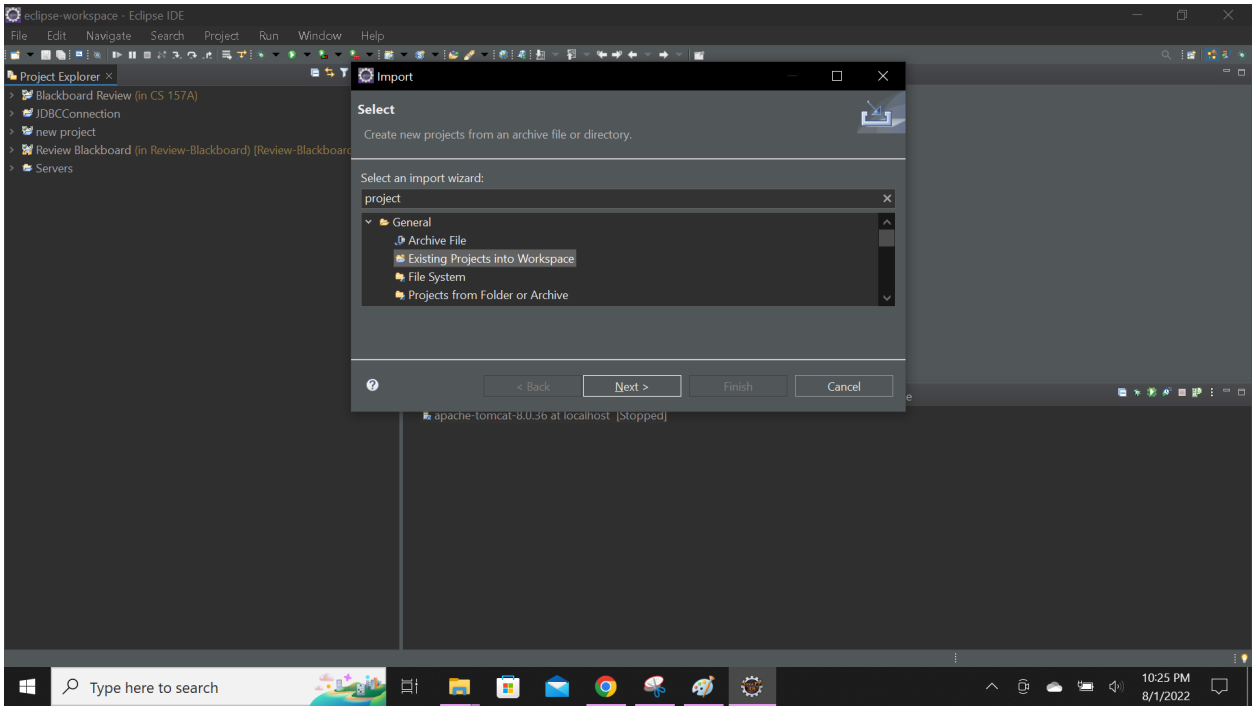



**Step 2:**
Go to GitHub and get the zip folder then unpack it in appropriate location,

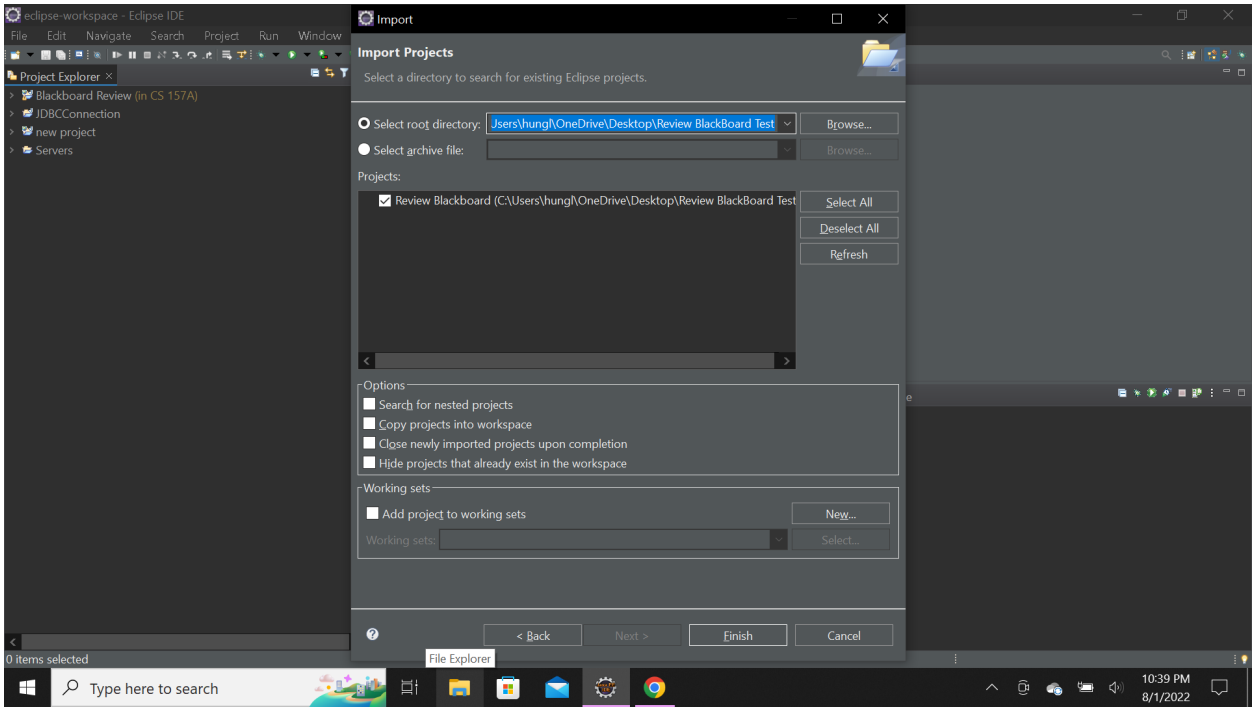
Open eclipse IDE goes to file, then import:




Search and choose option “Existing project to workspace”:

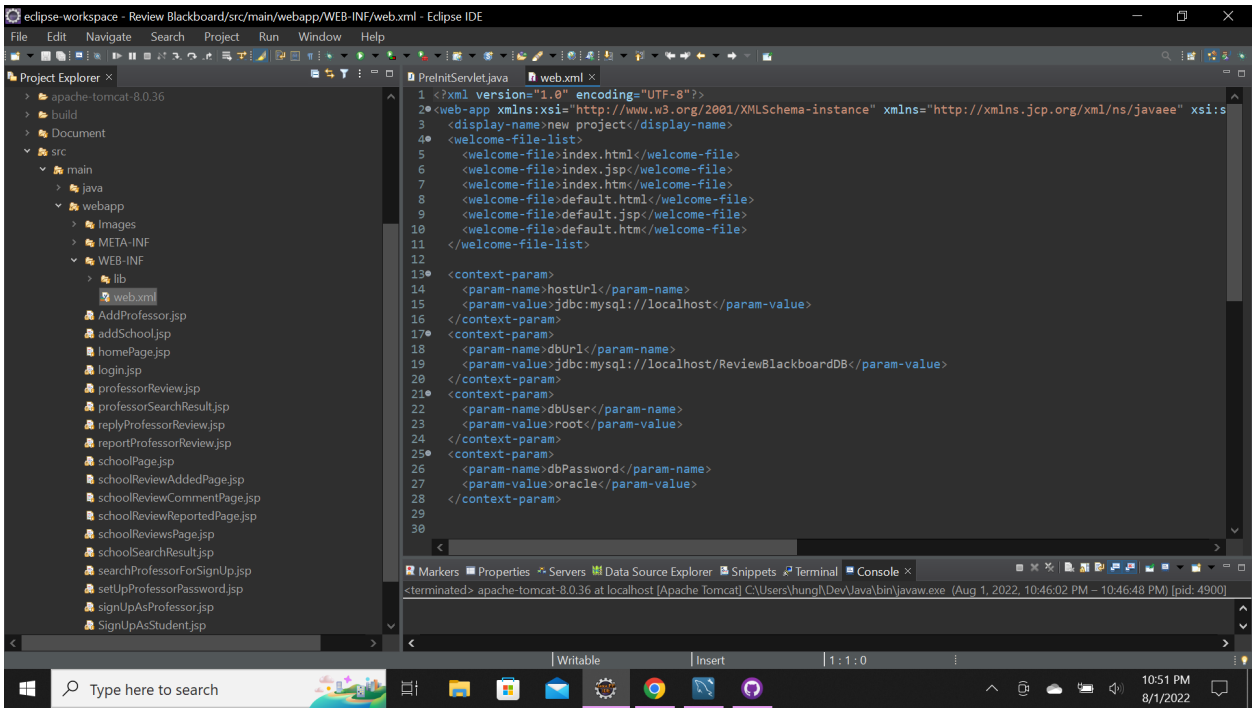



Browse for the project location and click finish




**Setting up Mysql username and password:**

Open the project and go to "…\src\main\webapp\WEB-INF\web.xml" and open the file "**web.xml"** with a generic text editor



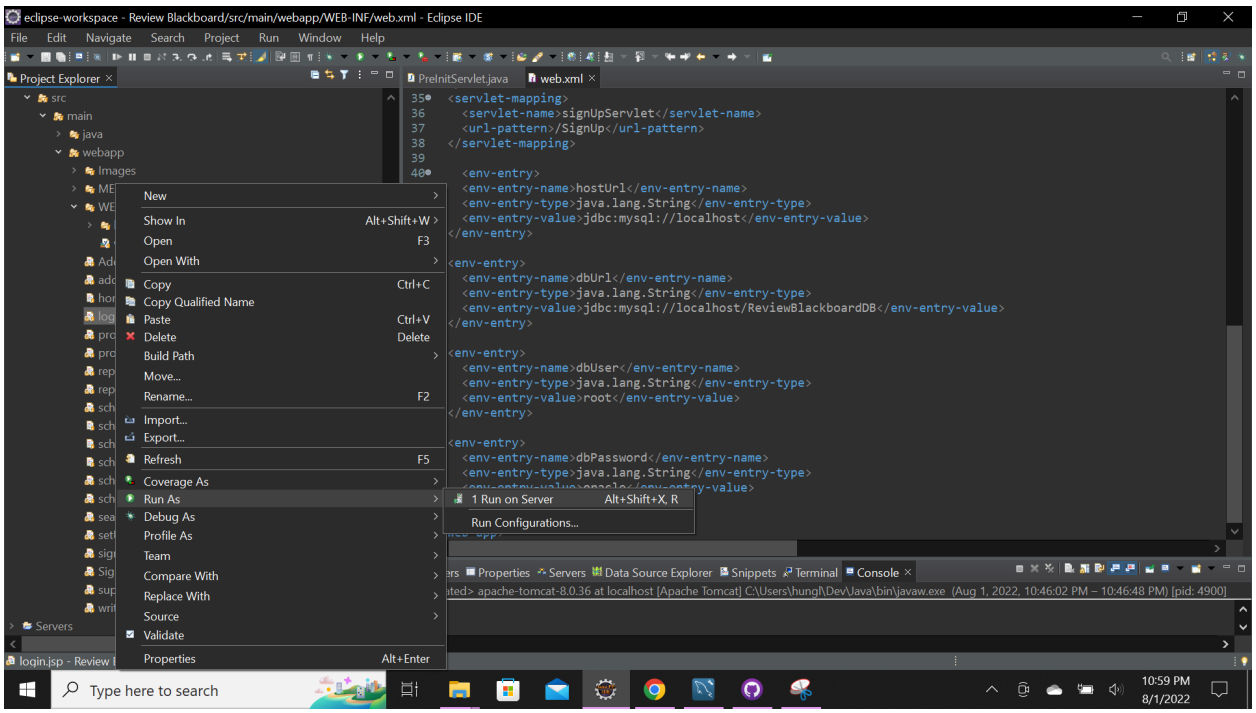

Set up your username on line 23 , 55 and password on line 27 , 61 to the username and password you choose when install MySQL:

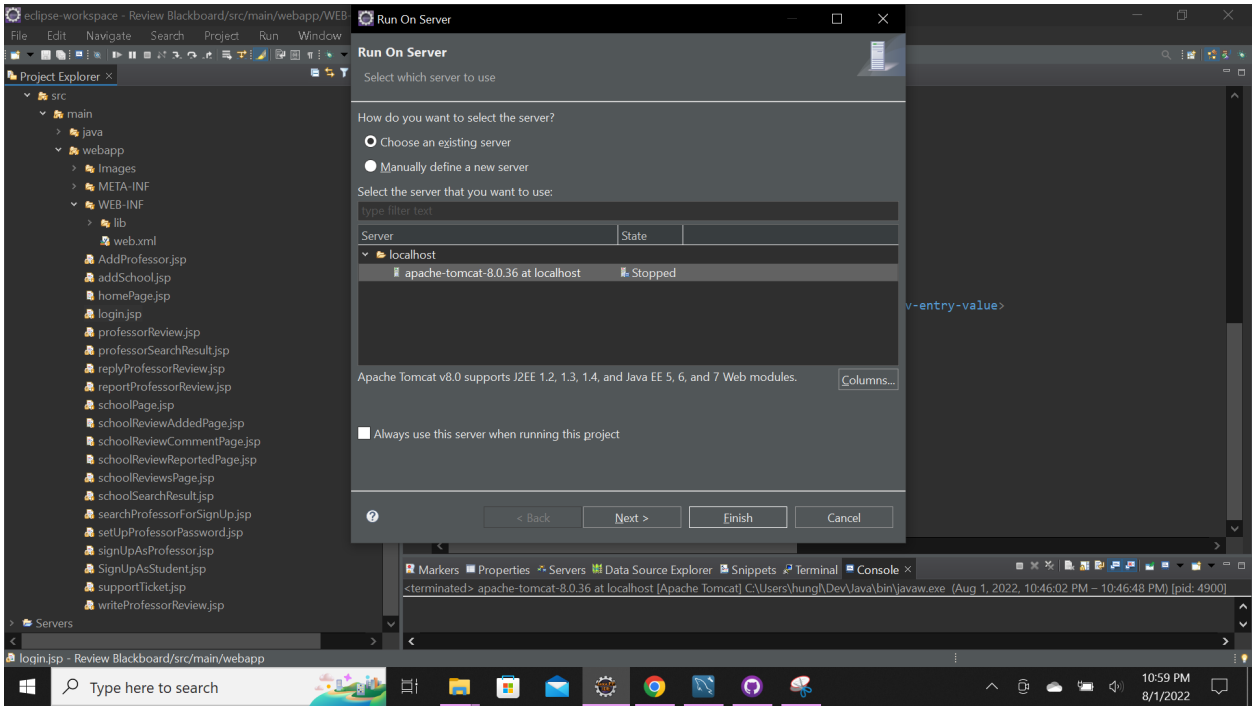
```
    <env-entry-name>hostUrl</env-entry-name>
    <env-entry-type>java.lang.String</env-entry-type>
    <env-entry-value>jdbc:mysql://localhost</env-entry-value>
  </env-entry>

  <env-entry>
    <env-entry-name>dbUrl</env-entry-name>
    <env-entry-type>java.lang.String</env-entry-type>
    <env-entry-value>jdbc:mysql://localhost/ReviewBlackboardDB</env-entry-valu
  </env-entry>

  <env-entry>
    <env-entry-name>dbUser</env-entry-name>
    <env-entry-type>java.lang.String</env-entry-type>
    <env-entry-value>root</env-entry-value>
  </env-entry>

  <env-entry>
    <env-entry-name>dbPassword</env-entry-name>
    <env-entry-type>java.lang.String</env-entry-type>
    <env-entry-value>oracle</env-entry-value>
  </env-entry>
```

USERNAME

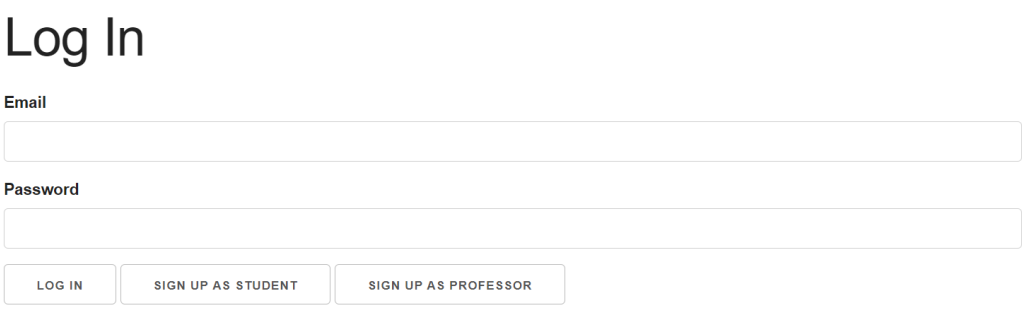
PASSWORD

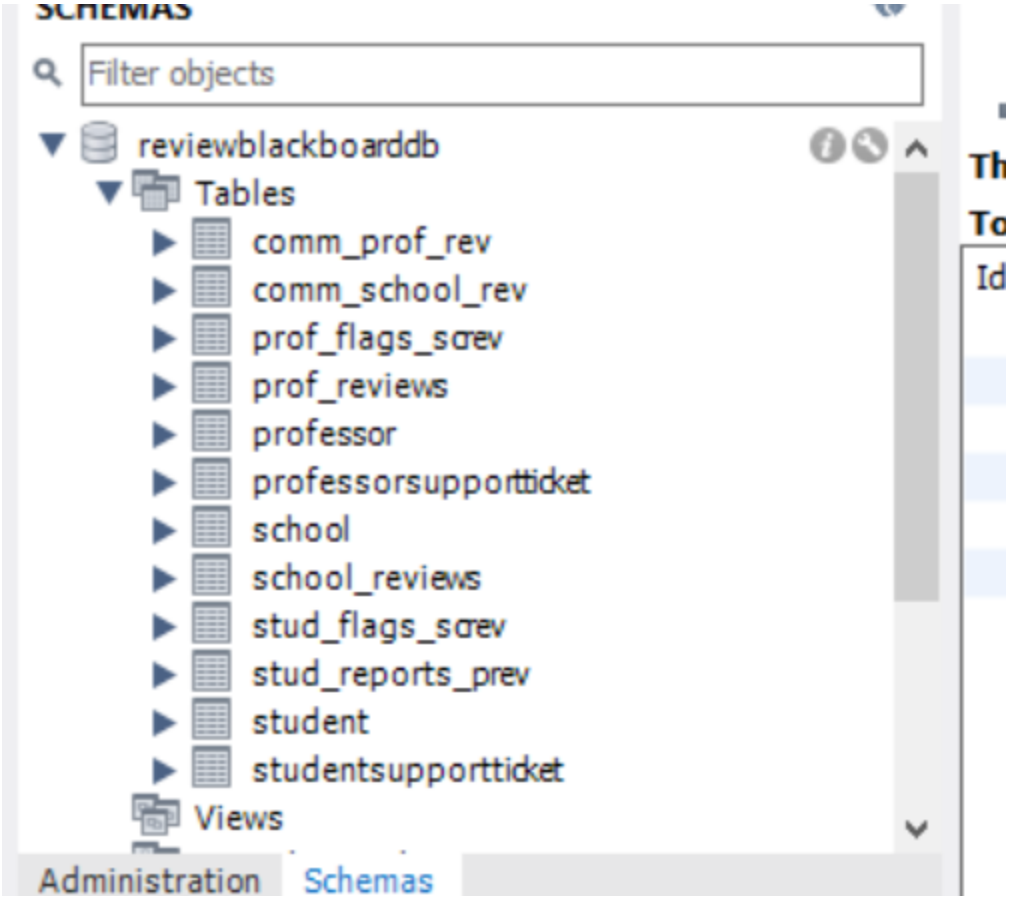
Follow the path “src\main\webapp\login.jsp” to find login.jsp file. Then run it with the tomcat server






Log in page will open, and the ReviewBlackboard database will be added to the MySQL server.




SCHEMAS
Filter objects
reviewblackboarddb
Tables
comm_prof_rev
comm_school_rev
prof_flags_screv
prof_reviews
professor
professorsupportticket
school
school_reviews
stud_flags_screv
stud_reports_prev
student
studentsupportticket
Views
Administration
Schemas