

Guild to Setting up Development for the EECS TSC Inventory System

Download and Install MySQL 8.0.*

Download

<https://dev.mysql.com/downloads/installer/>

- Go to link above and download the MSI installer. An account is not needed for download.

MySQL Installer 8.0.36



Note: MySQL 8.0 is the final series with MySQL Installer. As of MySQL 8.1, use a MySQL product's MSI or Zip archive for installation. MySQL Server 8.1 and higher also bundle MySQL Configurator, a tool that helps configure MySQL Server.

Select Version:

8.0.36

Select Operating System:

Microsoft Windows

Windows (x86, 32-bit), MSI Installer

8.0.36

2.1M

[Download](#)

(mysql-installer-web-community-8.0.36.0.msi)

MD5: 81061532541f716cf6c6e2c4881a154c | [Signature](#)

Windows (x86, 32-bit), MSI Installer

8.0.36

285.3M

[Download](#)

(mysql-installer-community-8.0.36.0.msi)

MD5: d63232c190d0c9c294a2f8d770ad1c20 | [Signature](#)

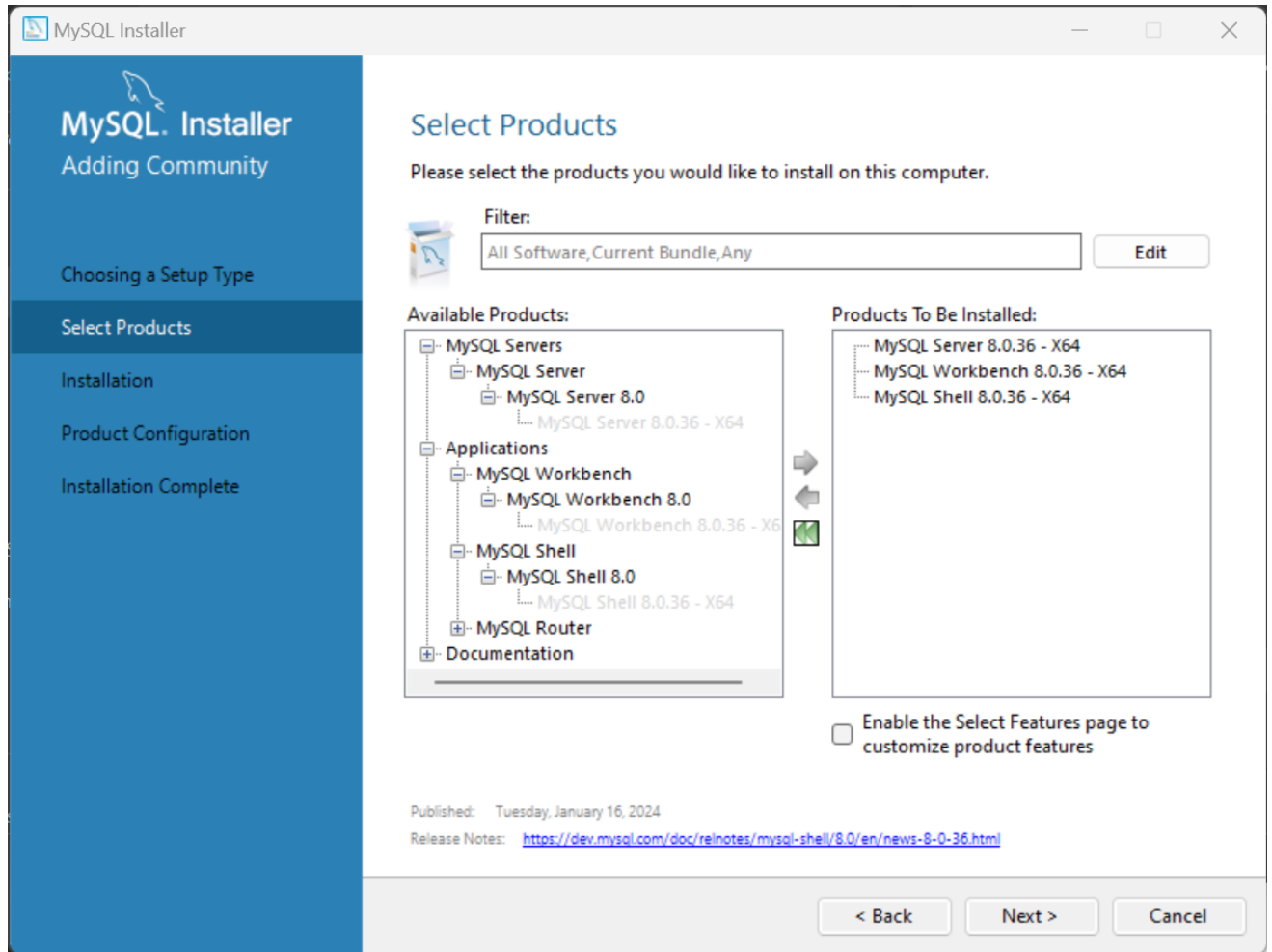


We suggest that you use the [MD5 checksums](#) and [GnuPG signatures](#) to verify the integrity of the packages you download.

Install

- Run the MSI file.
- Click on full custom download and follow the following pages and instructions.

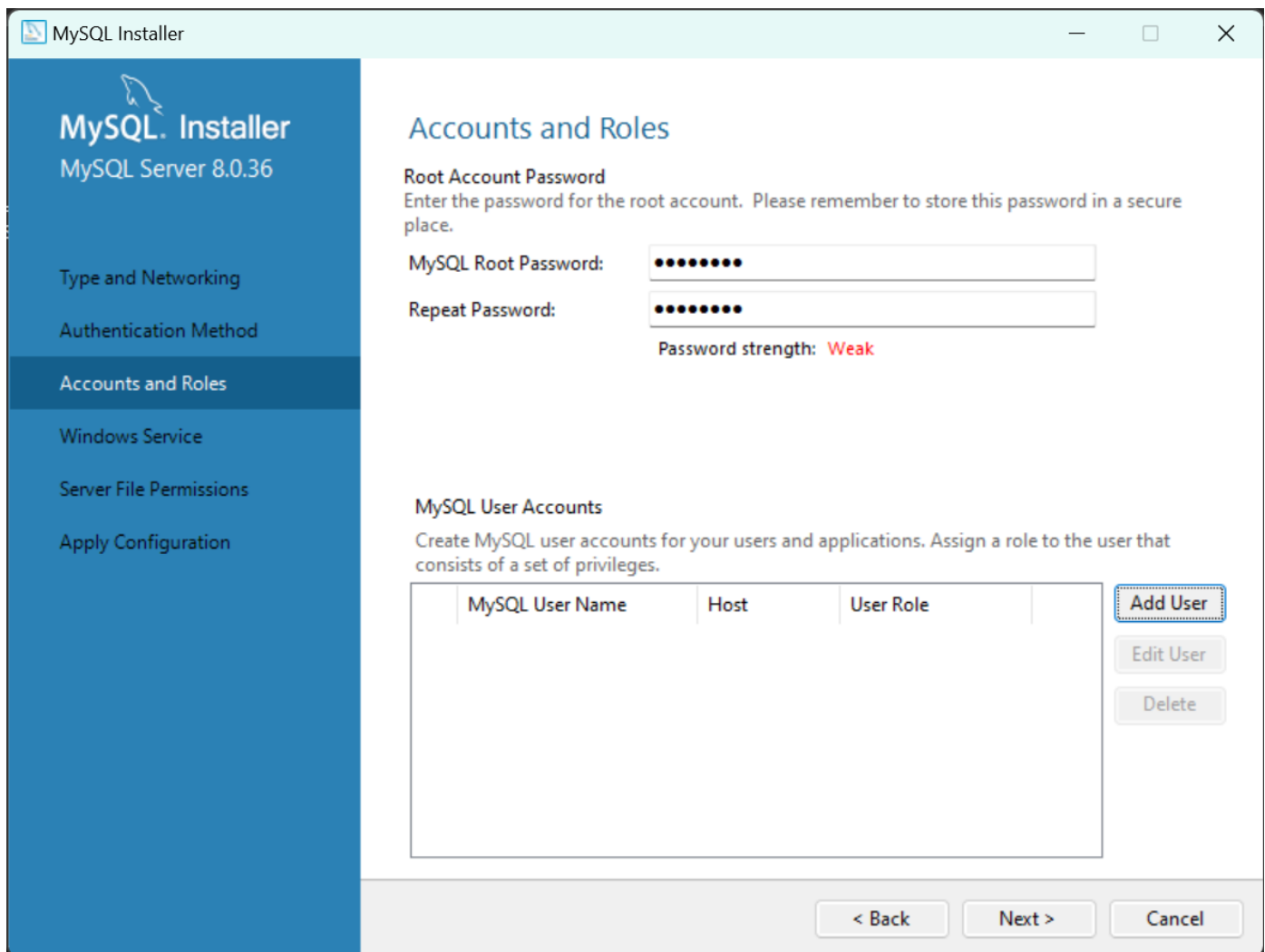
- On the select product page select MySQL Server, Workbench, and Shell (shown below).



- Click next, next, execute and wait for the packages to install then click next.

Configure MySQL Server 8.0.*

- Click next, next, next then the Accounts and Roles screen should be shown as seen below. Set the password to "Password" for convenience or something else rememberable.



- Then click next, next, next, execute, finish, next, finish.
- at this point MySQL and the selected packages should be installed and configured

Test Password

Open the MySQL Shell and when prompted for a password enter "Password" or whatever password you set above.

Drivers (unsure yet if needed)

~~drivers not sure if needed try without~~

~~<https://www.oracle.com/database/technologies/appdev/jdbc-downloads.html>~~

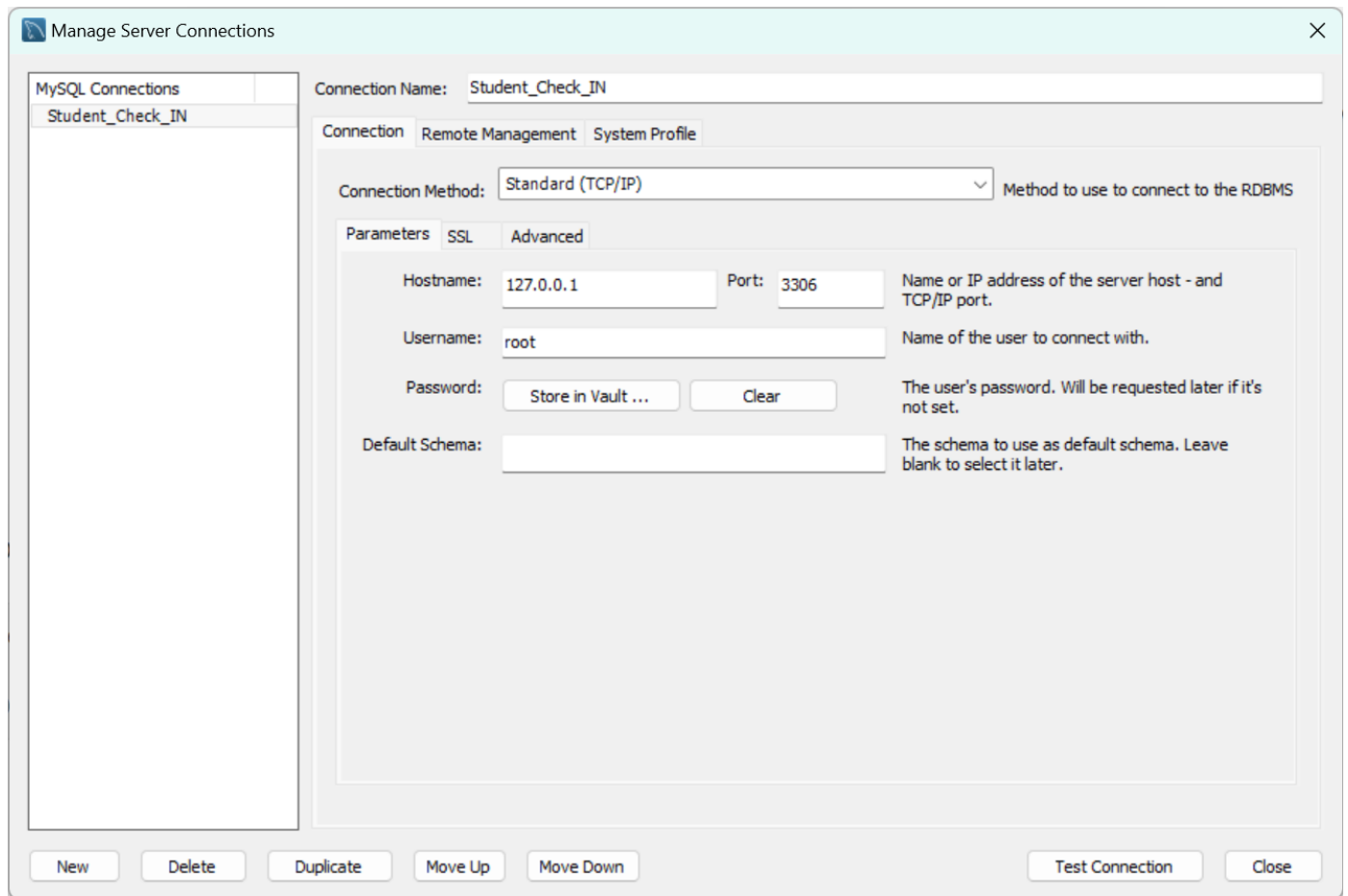
Retrieve the Database File

- Get a backup found on the D drive of the laptop server located by back desk. For help:
 - Ask Jim.

- If backup is zipped unzip and locate the `.sql` file within the folder.

Create MySQL Workbench Connection

1. Open MySQL workbench.
2. Make new connection with the parameters below and name it `Student_Check_In`.
3. Test the connection by pressing the `Test Connection` button to confirm the port work.



Import the Database

1. While connected to MySQL connection locate the `Data import/restore` button on the left bar.
 1. Check the `Import from Self-Contained file` radio/button option.
 2. Using the input field or the 3 dots to the right locate the database backup `.sql` file on your PC.
 3. Click import on the bottom right. You may have to play around with the size of the window to find it, see picture below for approximate location.

Import from Disk Import Progress

Import Options

☐ Import from Dump Project Folder C:\Users\jittond\OneDrive - Milwaukee School of Engineering\Documents\dumps ...

Select the Dump Project Folder to import. You can do a selective restore.

Load Folder Contents

☒ Import from Self-Contained File C:\Users\jittond\OneDrive - Milwaukee School of Engineering\Documents\dumps\export.sql ...

Select the SQL/dump file to import. Please note that the whole file will be imported.

Default Schema to be Imported To

Default Target Schema: New...

The default schema to import the dump into.
NOTE: this is only used if the dump file doesn't contain its schema, otherwise it is ignored.

Select Database Objects to Import (only available for Project Folders)

Imp...	Schema
--------	--------

Imp...	Schema Objects
--------	----------------

Dump Structure and Dat Select Views Select Tables Unselect All

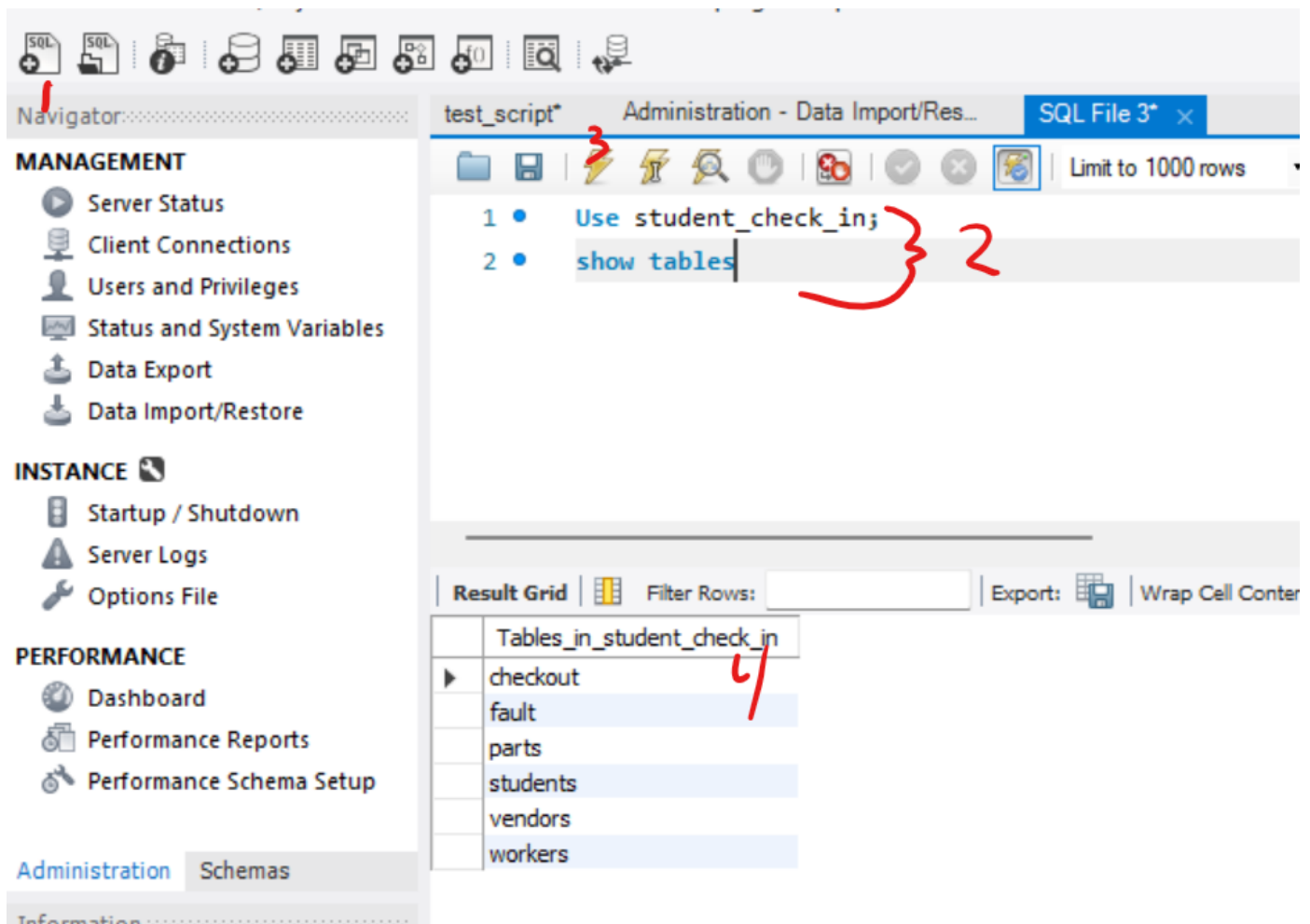
3

Test the Database

1. Make a new sql script.
2. Type in the following code.

```
USE student_check_in;  
show tables;
```

3. Click the lightning bolt icon to run the script.
4. Confirm the output with the image below.



Test the Program

1. Locate the source code for the java program:
 - Located on the front machines.
 - Ask Jim.
 - Download/clone from the online repo <https://github.com/littond/student-check-in>.
2. Using a program like JetBrains IntelliJ open the project (Intelij will be preset up to handle Gradle).
3. Make sure you are on dev branch.
4. Go to `src/main/java/Database/Database.java` on line 30 and make sure the password variable is the same as the one you set earlier.
5. Run the StudentCheckIn run configuration.

6. The program should open to the login screen and should not have pop up errors.