University Depot

Updated Install Manual

**Slippery Rock University of Pennsylvania**

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# MySQL Installation

1. Download MySQL from <https://dev.mysql.com/downloads/installer/> , making sure you select the correct installer for your platform (Windows, linux, etc.)
2. Run the MySQL install wizard and choose custom install
3. Select the following components when marking for installation

NOTE: the default installation should have these preset, but these are the necessary parts otherwise

* 1. MySQL Server - 8.0 or above
  2. MySQL Workbench - 8.0 or above
  3. MySQL Shell - 8.0 or above

1. Click next, allow components to be downloaded if using web installer, then allow components to install
2. Follow these steps for configuration
   1. Configure server
      1. Keep default settings
      2. Ensure port is set to 3306
      3. Click next
      4. Click next
      5. Enter password for root (can be whatever you like)
      6. Click next
   2. Configure Windows Service
      1. Click next
      2. Click execute
      3. Click finish
   3. Finished product configuration
      1. Click next
      2. Click finish

# MySQL Configuration

1. Open MySQL Workbench
2. Create a localhost connection on port 3306 if one does not exist
3. Login as root user
4. Go to server → Users and Privileges
5. Create a new user
   1. Name must be: springuser
   2. Password must be: ThePassword
   3. Give this user all administrative roles

# 

# Database Import

1. Open MySQL Workbench
2. Access your localhost connection
3. From the Navigator tab, select “Schemas”
   1. Right click anywhere in the schemas window
   2. Select Create Schema…
   3. Name this schema “sellingwidgets”
   4. Select Apply
4. From the Navigator tab, select “Administration”
   1. Click “Data Import/Restore”
   2. Select the “Import from Self-Contained File” radio button
   3. Select the Document/Install/SellingWidgetsMaster.sql file from within the project folder using the “...” browse button
   4. Select the “sellingwidgets” schema in the “Default Target Schema” selection dropdown
   5. Once selected, click the “Start Import” button

# Eclipse Workspace Configuration

1. Open Eclipse
2. Choose unzipped "Fall-2022-Group-2-Selling-Widgets" for the workspace
3. Wait for Eclipse to build
4. In the toolbar, select Help → Install New Software…
   1. In “Work with:“ copy and paste the following URL: <https://projectlombok.org/p2>
   2. Click Lombok
   3. Click Next
   4. Click Next
   5. Accept terms and agreement and install
   6. Restart Eclipse
5. In the toolbar, select file → Import
   1. Click Maven
   2. Choose Existing Maven Project
   3. Select Browse
   4. Select the Widgets folder
   5. Select the pom.xml file
   6. Click finish

# 

# Access & Login Via Web Browser

1. In a web browser, enter the following URL: <http://localhost:8080/>
2. To use the site for testing, without creation of a new account, use the following credentials:
   1. Administrative Account
      1. Username: useradminwidget
      2. Password: useradmin
   2. Basic User Account
      1. Username: userName
      2. Password: testPass

# Java Installation

1. In a web browser, enter the following URL: <https://java.com/en/download/>
2. Click x64 installer.
3. Open download file.
   1. Click next.
   2. Click next.
   3. Click close.
4. Navigate to system environment variables.
   1. Click Environment Variables
   2. Under System Variables
      1. Select path.
      2. Click Edit
      3. Click New.
      4. Enter location of bin folder of installed Java
      5. Click ok.
   3. Under System Variables
      1. Click new.
      2. Assign variable name to JAVA\_HOME
      3. Assign variable value to Path of installed Java.
      4. Click Ok.

# Tomcat Install & Config

1. Visit <https://tomcat.apache.org>
2. Navigate to side panel, under Downloads select most recent stable version of Tomcat.
   1. Scroll down to see the version and binary distribution types.
   2. Under Binary Distributions select method in which to install Tomcat
      1. 32-bit/64-bit Windows Service Installer
   3. Open downloaded file
      1. Click next.
      2. Click I agree.
      3. Leave Default selection, then Next
      4. (optional)- can leave default or change port number 8080 is default.
      5. Create username and password for service access
      6. Click Next
      7. Select path to Java or JRE
      8. Click Next
      9. Ensure destination folder for Tomcat is within Program Files
      10. Click install.
      11. Click finish.
3. In order to be able to deploy the .war file of the project the following needs to be done to re-configure tomcat settings.
   1. Navigate to Apache Software Foundation Folder
      1. Open folder
      2. Open Tomcat Folder
      3. Open webapps folder
      4. Open manager folder
      5. Open WEB-INF folder
      6. Open web.xml file with notepad
      7. Find <multipart-config>
      8. Within heading will be <max-file-size> & <max-request-size>
      9. Add zero to the end of number under each category. (This will allow for projects up to 500mb in size to be deployed within Tomcat)
      10. Save changes.