Online Auction

Install Manual

**Slippery Rock University of Pennsylvania**

Contributions by:

**Fall 2023**

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# Eclipse Workspace Configuration

1. Open Eclipse
2. Choose "Fall-2023-Online-Auction" 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 “OnlineAuction” folder
   5. Select the pom.xml file
   6. Click finish

# Docker Installation

1. Install Docker Desktop
   1. Visit the following link to install Docker Desktop: <https://www.docker.com/products/docker-desktop/>
   2. Click on "Get Docker Desktop for Windows (stable)".
   3. Once downloaded, run the installer. Follow the installation instructions, accepting the defaults.
   4. After installation, Docker will ask to restart your system. Please accept and restart your computer.
2. Open a command prompt (or PowerShell)
   1. Run: `wsl –-update`
3. Open Docker Desktop
   1. Skip the sign in option.
   2. Skip the question that asks for information about you.
   3. You should then see that Docker Engine is starting.

# Docker Run

1. Run the Docker Desktop from the Windows start tab.
   1. If it is not installed, please return to “Docker Installation” Step.
2. In the Eclipse IDE
   1. Open the project workspace(Fall-2023-Online-Auction).
   2. Open a local terminal:
      1. Right-click on the Maven project “OnlineAuction”
      2. Click “Show in Local Terminal” > “Terminal”
      3. This will navigate to the project in your terminal
   3. Within the terminal, run:
      1. `docker-compose up`
   4. Now wait for the build to complete and start running.
   5. You can also open the Docker Desktop program to see how the containers are being orchestrated (see figure below).
      1. Go to the “Containers” tab on the left.
      2. The container name is “onlineauction”

A screenshot of a computer

Description automatically generated

# Access & Login Via Web Browser

1. In a web browser, enter the following URL: <http://localhost:6868/>
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

# MySQL Installation

1. If you would like to check out what is happening in the database, you will need to install MySQL on your host.
2. Download MySQL from <https://dev.mysql.com/downloads/installer/> , making sure you select the correct installer for your platform (Windows, linux, etc.)
3. Run the MySQL install wizard and choose custom install
4. 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
   4. Click finish

# Connect MySQL to Docker [Optional]

1. Only necessary if you want to see what is happening in the database.
2. Open MySQL Workbench
3. At the top click Database > Manage Connections…
   1. Click “New” in the bottom left corner.
      1. Connection Name: “Online Auction Docker”
      2. Change port to 3307
      3. Can keep all other options the same.
      4. close
4. Back on the welcome screen:
   1. Right-click > “Rescan for Local MySQL Instances”
   2. Connect to the database:
      1. User: root
      2. Password: ThePassword