Online Auction

Install Manual

**Slippery Rock University of Pennsylvania**

Contributions by:

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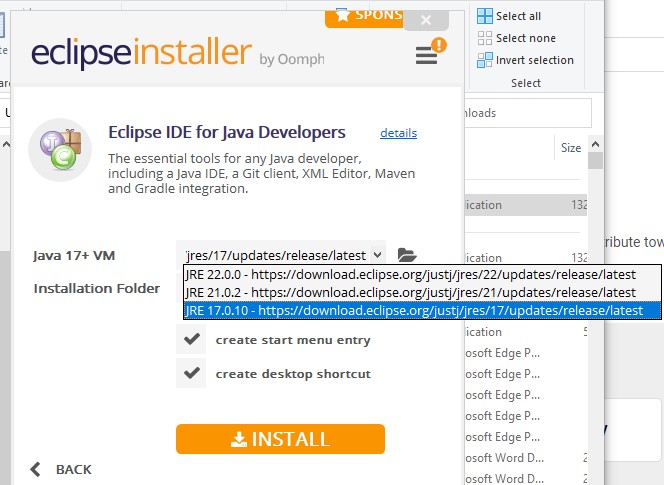
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# [Step 1] Eclipse Installation

1. Download Eclipse Installer from [2024-09 R | Eclipse Packages](https://www.eclipse.org/downloads/packages/), Select the Eclipse IDE for Enterprise Java and Web Developers option. Choose the appropriate operating system for your machine.

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1. Run the Eclipse installer
2. Select JRE 17.0.10  
   
3. Click install to start the process.

# [Step 2] MySQL Installation

1. Download MySQL from <https://dev.mysql.com/downloads/installer/> , making sure you select the correct installer for your OS (Windows, linux, etc.)  
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2. Once downloaded, run the MySQL installation wizard ensuring to choose custom install.  
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3. Then Select the following components to be downloaded.  
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4. Click Next, and allow the components to be downloaded.
5. Follow these steps for Configuration.
   1. Keep the default setting and ensure that the Port is 3306.  
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   2. Click Next until you come into the page to set your root password, You may set it to whatever you would like.  
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   3. At this time for ease of running the project you can create another User for the project to use.
      1. Click Add User.
      2. Enter User Name: springuser
      3. Ensure the role is DB Admin
      4. Set Password to ThePassword
      5. Then hit OK button  
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      6. This will ensure you will not have to update the application.properties before running the program.
   4. Continue clicking through the install wizard next, next, execute, finish.
   5. For the finished product configuration
      1. Click next and then finish
   6. This should complete the installation guide for MySQL, if you have the database schema titled ‘sellingwidgets’, ensure you right click and drop schema before running.

# [Step 3] Eclipse Workspace Configuration

1. Open Eclipse
2. Choose “Fall-2024-Online-Auctioning-“ as the workspace
3. Wait for eclipse to build
4. In the toolbar, select Help then Install New Software
   1. In the “Work with:” copy and paste this URL:  
      <https://projectlombok.org/p2>  
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   2. Select Lombok, then click Next
   3. Click Next
   4. Accept the terms and agreements and install
   5. Eclipse will prompt to restart, accept and allow eclipse to load again
5. In the toolbar, select help then open Eclipse Marketplace
   1. There are a couple plugins that need installed
      1. Spring Tools 4
      2. Thymeleaf plugin
      3. Eclipse Tomcat Plugin
      4. PlantUML (Highly recommended but optional)
   2. Search for the Titles in the search bar  
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   3. After they appear click the install button
   4. Accept the terms of the license agreement
   5. Then click Finish
6. In the toolbar, Select File then Import
   1. Under Maven, Select Existing Maven Project
   2. Select Browse
   3. Select the workspace folder: “Fall-2024-Online-Auctioning-“
   4. Select the pom.xml file and then click Finish

# [Step 4] Run and Access Via Web Browser

1. Run SellingWidgets.java in Eclipse
   1. To do this right click SellingWidgets.java
   2. Mouse over Run As:
   3. Click Spring Boot App
   4. In the console of eclipse the spring boot application will begin to run and should look like the image below if the application has been executed correctly.

A screenshot of a computer program

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1. Please wait for SQL import to complete.
2. In a web browser, enter the following URL: <https://localhost:8443>
3. You can also copy and paste the link generated in the console. (example : https://10.3.8.33:8443)
4. To use the site for testing, without creation of a new account, use the following credentials:
   1. Basic User Account
      1. Username: userName
      2. Password: testPass
   2. Admin Account
      1. Username: newadminwidget
      2. Password: thisismypass
   3. Seller account
5. Username: sellerName
6. Password: testPass

# [Step 5] Error Handling

The most common error with deploying the project is the username and password set in the application properties not matching with the database. The application properties are located under the resources folder. A screenshot of a computer

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If other issues arise, ensure that all documented plugins are installed on eclipse. To verify that all plugins are installed, on eclipse select “help” on the top of eclipse then chose the “installed” tab. The result will be all the downloaded plugins.

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