

1. Download eclipse

2. File -> New-> Dynamic Web Project->finish

New Dynamic Web Project

Dynamic Web Project

Create a standalone Java-based Web Application or add it to a new or existing Enterprise Application.

Project name:

Project location

☒ Use default location

Location:

Browse...

Target runtime

New Runtime...

Dynamic web module version

Configuration

Modify...

A good starting point for working with Apache Tomcat v8.0 runtime. Additional facets can later be installed to add new functionality to the project.

EAR membership

☐ Add project to an EAR

EAR project name:

New Project...

Working sets

☐ Add project to working sets

New...

Working sets:

Select...

?

< Back

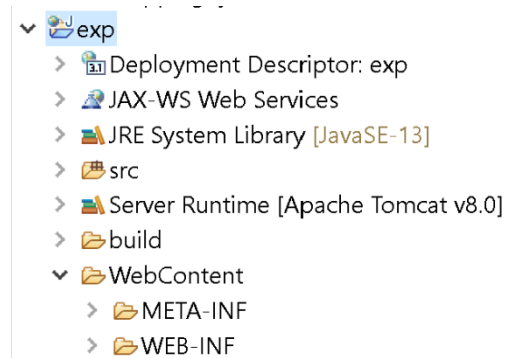
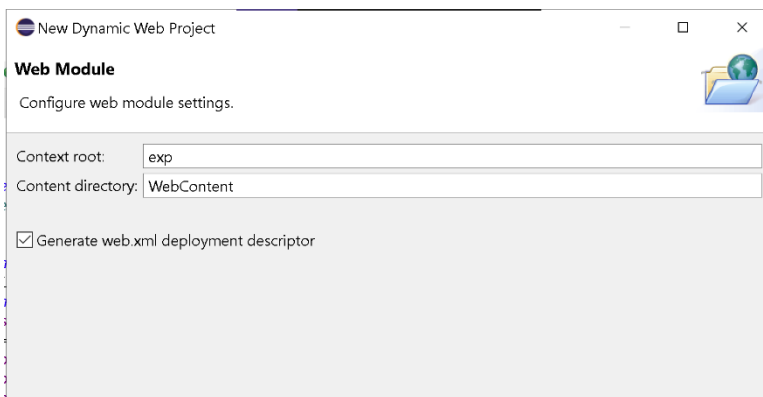
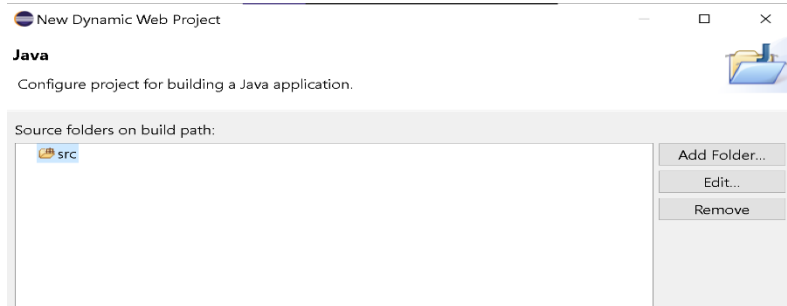
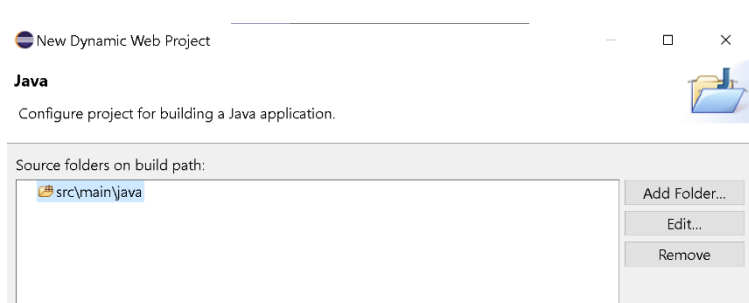
Next >

Finish

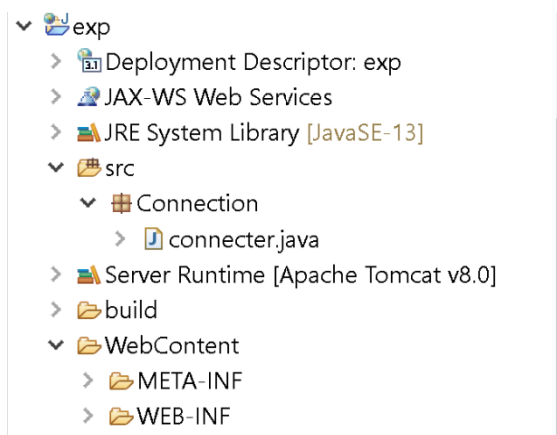
Cancel

***If the project folder does not have Web Content folder included:**

File --> New -> Dynamic Web Project -> Next -> Remove the “src/main/java” path, add Folder “src” -> Next -> Rename Content directory as WebContent -> Select Generate web.xml deployment descriptor -> finish

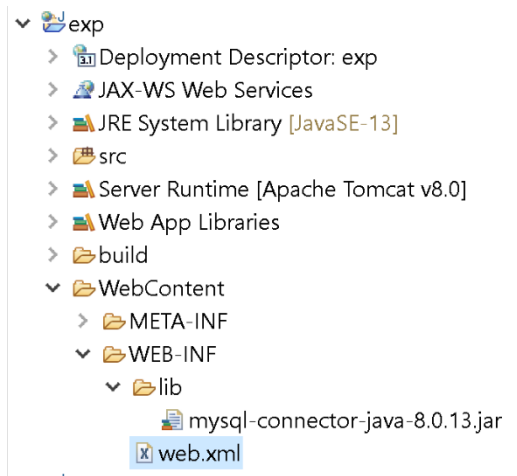


3. right click src -> New -> Package -> Name it “Connection” -> copy and paste the connector.java file into the Connection package

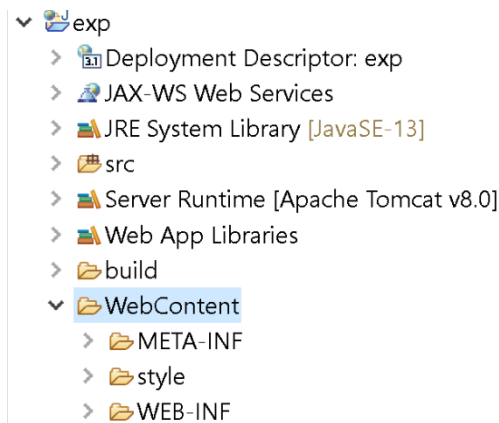


4. copy and paste the mysql-connector-java-8.0.13.jar file into WebContent/WEB-INF/lib

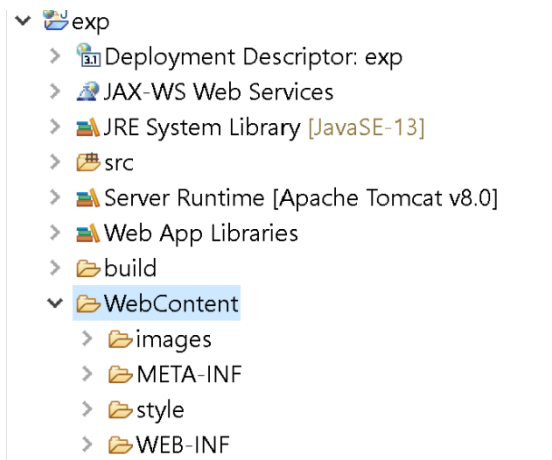
*The mysql-connector-java-8.0.13.jar file in the source code will also be found in the same spot



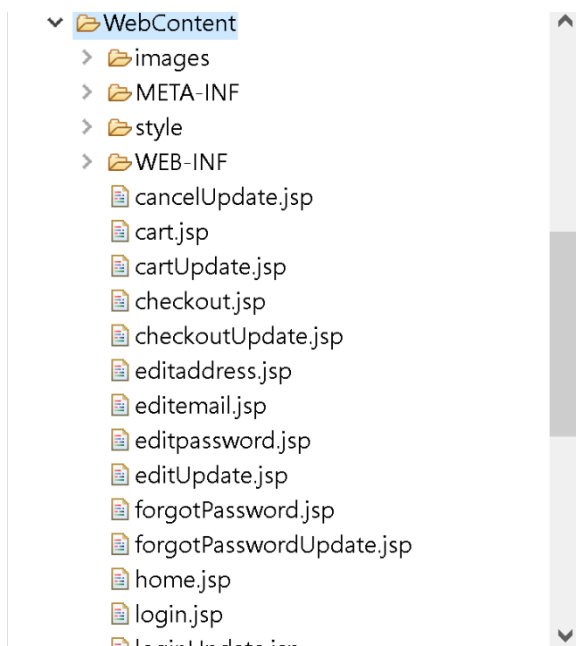
5. copy and paste the style folder into WebContent, found under WebContent



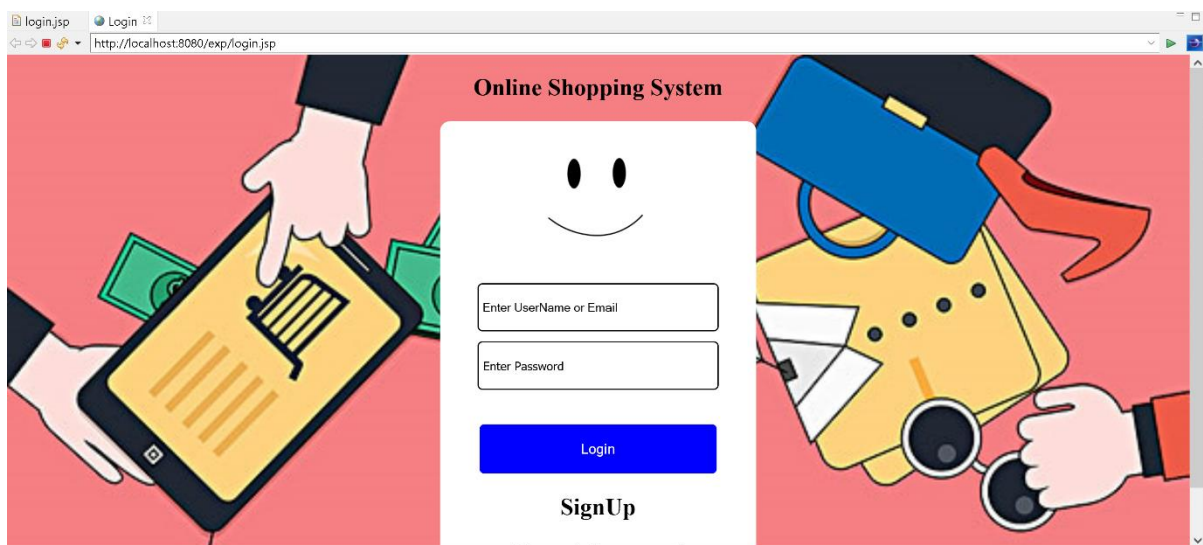
6. copy and paste the images folder into WebContent, found under WebContent



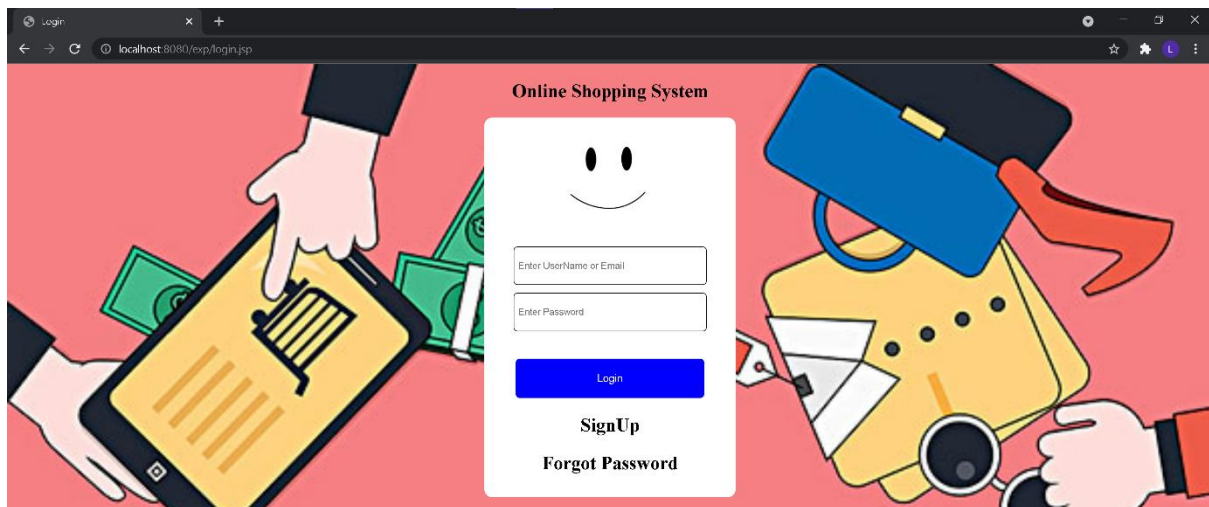
7. copy and paste all the .jsp file into WebContent, found under WebContent



8. open login.jsp -> right click -> Run As -> Run on Server -> Finish



9. copy and paste the URL to any web browser.

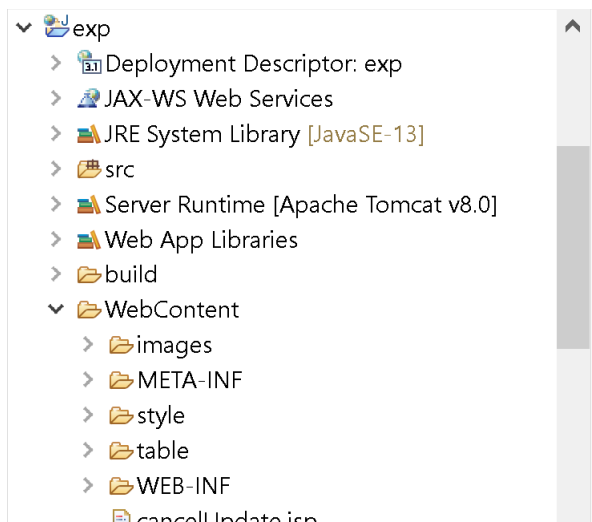


***If you cannot connect to the following database and wanted use to your own local server**

```
Connection connection = DriverManager.getConnection("jdbc:mysql://cs4347.c3bw7ao2sqoy.us-west-2.rds.amazonaws.com:3306/shopping", "Li", "26285194");
```

*** if you can connect to the provided database, you don't need to do the following steps**

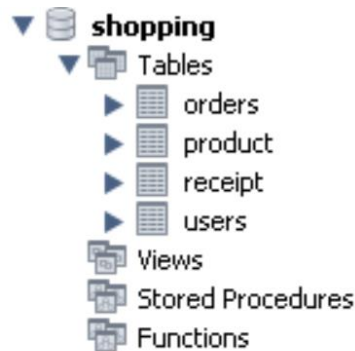
1. copy and pasted the table folder into WebContent, found under WebContent



2. open create-tables.jsp file under table folder -> Run As -> Run on Server

* do this before previous step 8, it will create the needed tables in the schema,

* 3306/shopping <-schema name



3. insert the products, the provided web scraper will not work in this case since we couldn't figure out how to separate the name and the description of the product in amazon. So we instead just separate the name by our self from the exl file form by the web scraper. And later we changed the plan and inserted the "category" column into the product table. The create-tables code will form correct table, only the import dataset need more own update, but this is not part of the web project, it is just there for easier work.

ID	Description	Price	Rating	name					
92	Hands-On Machine L	\$27.00	4.8 out of 5 stars	Hands-On Machine Learning with Scikit-Learn, Keras, and TensorFlow					
93	Machine Learning for	\$13.90	4.5 out of 5 stars	Machine Learning for Absolute Beginners					
94	Machine Learning in	\$84.31	4.5 out of 5 stars	Machine Learning in Finance					
95	Machine Learning De	\$39.21	4.6 out of 5 stars	Machine Learning Design Patterns					
96	Introduction to Mach	\$49.23	4.5 out of 5 stars	Introduction to Machine Learning with Python					
97	Probabilistic Machine	#####	4.5 out of 5 stars	Probabilistic Machine Learning					
98	Pattern Recognition :	\$42.01	4.6 out of 5 stars	Pattern Recognition and Machine Learning					
99	Interpretable Machin	\$38.84	4.9 out of 5 stars	Interpretable Machine Learning with Python:					
100	Python Machine Lear	\$36.00	4.5 out of 5 stars	Python Machine Learning					
101	Mathematics for Ma	\$46.49	4.7 out of 5 stars	Mathematics for Machine Learning					
102	AI and Machine Lear	\$44.49	4.7 out of 5 stars	AI and Machine Learning for Coders					
103	Deep Learning (Adap	\$35.60	4.4 out of 5 stars	Deep Learning					

Since it is just for testing we recommend just use insert command in the database.

Insert 2 to 3 products

Exp :

insert into product(ID,description,price,rating,name,category)

values (1,"Concepts, Tools, and Techniques to Build Intelligent Systems","\$27.00","4.8 out of 5 starts", "Hands-On Machine Learning", "Book")