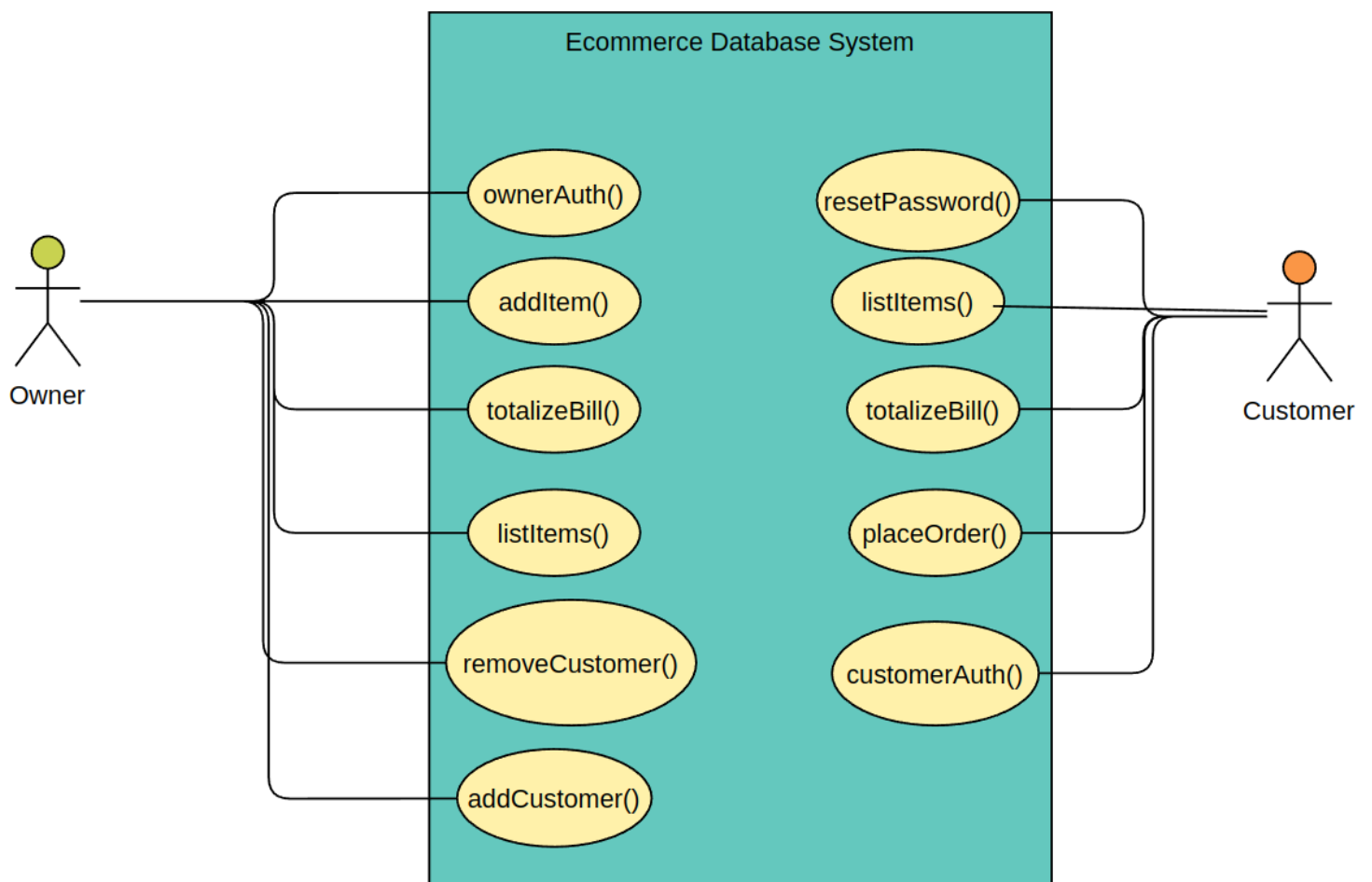


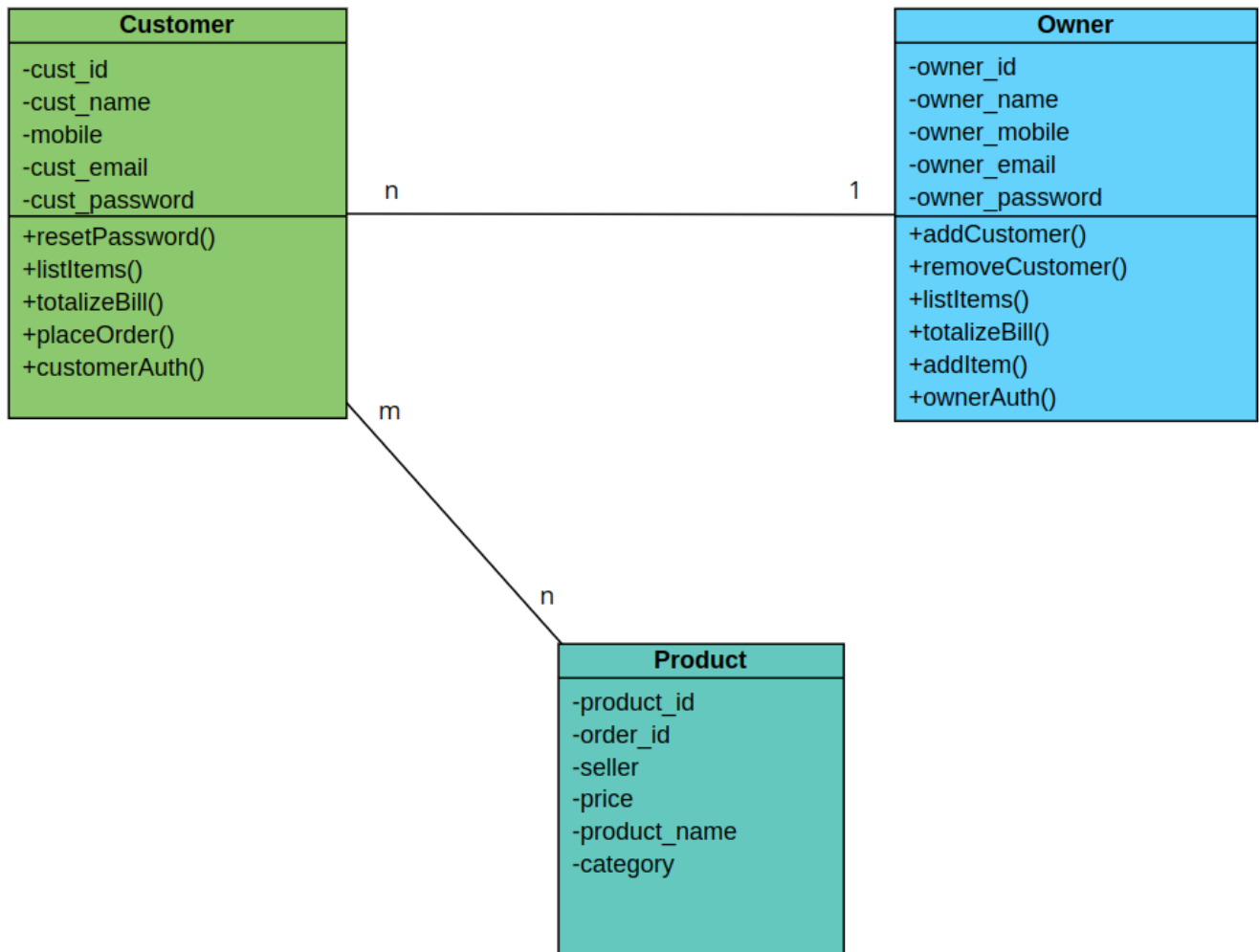
Ecommerce Database System

- IMT2020085 Harshadeep Donapati

Use Case Diagram

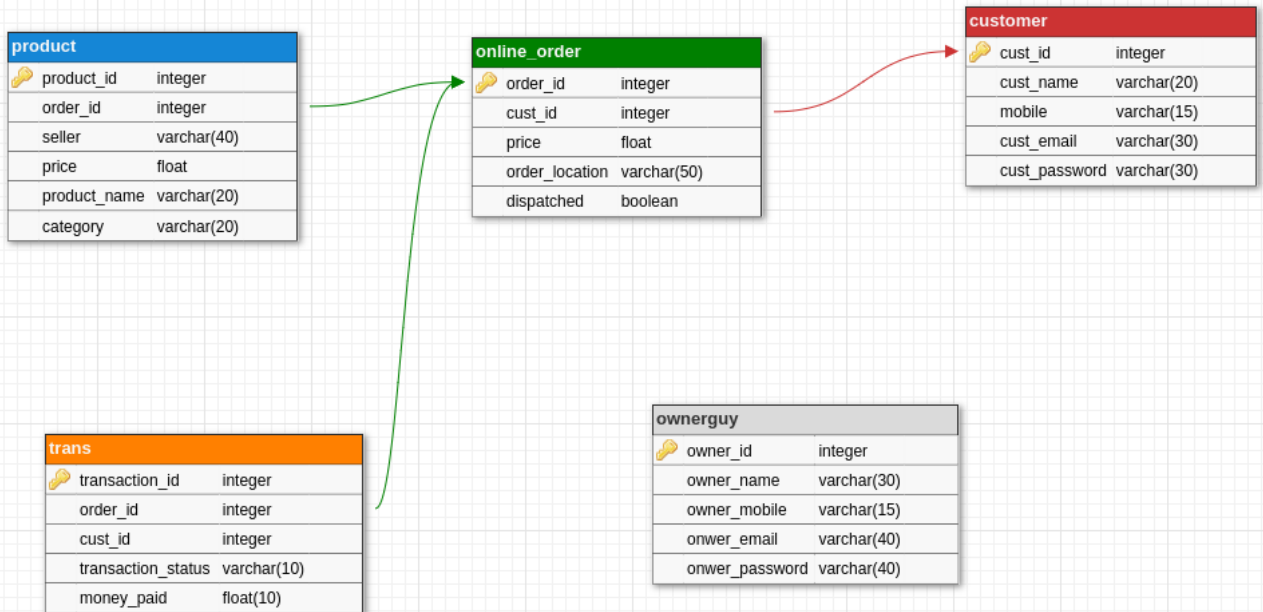


UML Diagram (Class Diagram)



OR Mapping

dbdesigner.net



Instructions to run code

In MySQL shell:

```
source sql/create.sql  
source sql/alter.sql  
source sql/insert.sql
```

In your terminal:

```
javac src/Run.java  
java src/Run
```

Note:

Export classpath statement is not required every time because the JDBC jar file is placed in /usr/share/java and export statement is in the .bashrc file.

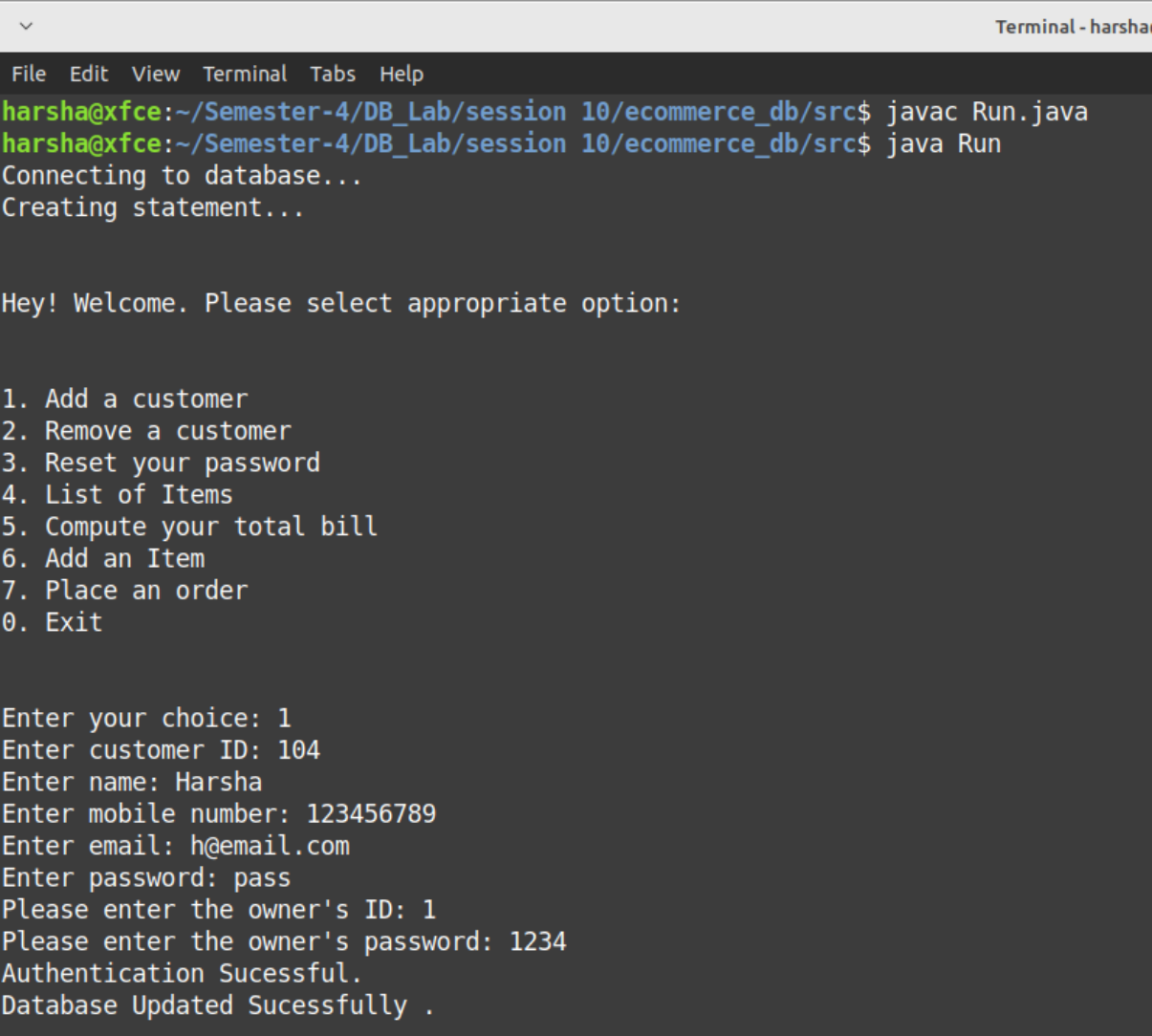
Owner credentials:

Owner id: 1

Owner password: 1234

Output Screenshots

Add Customer

A terminal window titled "Terminal - harsha" with a menu bar (File, Edit, View, Terminal, Tabs, Help). The prompt is "harsha@xfce:~/Semester-4/DB_Lab/session 10/ecommerce_db/src\$". The user runs "javac Run.java" and "java Run". The program outputs "Connecting to database..." and "Creating statement...". It then displays a menu: "Hey! Welcome. Please select appropriate option:" followed by a list: "1. Add a customer", "2. Remove a customer", "3. Reset your password", "4. List of Items", "5. Compute your total bill", "6. Add an Item", "7. Place an order", and "0. Exit". The user enters "1". The program then prompts for "Enter customer ID: 104", "Enter name: Harsha", "Enter mobile number: 123456789", "Enter email: h@email.com", "Enter password: pass", "Please enter the owner's ID: 1", and "Please enter the owner's password: 1234". Finally, it outputs "Authentication Sucessful." and "Database Updated Sucessfully .".

```
harsha@xfce:~/Semester-4/DB_Lab/session 10/ecommerce_db/src$ javac Run.java
harsha@xfce:~/Semester-4/DB_Lab/session 10/ecommerce_db/src$ java Run
Connecting to database...
Creating statement...

Hey! Welcome. Please select appropriate option:

1. Add a customer
2. Remove a customer
3. Reset your password
4. List of Items
5. Compute your total bill
6. Add an Item
7. Place an order
0. Exit

Enter your choice: 1
Enter customer ID: 104
Enter name: Harsha
Enter mobile number: 123456789
Enter email: h@email.com
Enter password: pass
Please enter the owner's ID: 1
Please enter the owner's password: 1234
Authentication Sucessful.
Database Updated Sucessfully .
```

Remove Customer

```
Terminal - harsha@xf
File Edit View Terminal Tabs Help
harsha@xfce:~/Semester-4/DB_Lab/session 10/ecommerce_db/src$ javac Run.java
harsha@xfce:~/Semester-4/DB_Lab/session 10/ecommerce_db/src$ java Run
Connecting to database...
Creating statement...

Hey! Welcome. Please select appropriate option:

1. Add a customer
2. Remove a customer
3. Reset your password
4. List of Items
5. Compute your total bill
6. Add an Item
7. Place an order
0. Exit

Enter your choice: 2
Enter customer ID: 104
Please enter the owner's ID: 1
Please enter the owner's password: 1234
Authentication Sucessful.
Database Updated Sucessfully .
```

Reset Password

```
Terminal - harsha@xfce
File Edit View Terminal Tabs Help
harsha@xfce:~/Semester-4/DB_Lab/session 10/ecommerce_db/src$ javac Run.java
harsha@xfce:~/Semester-4/DB_Lab/session 10/ecommerce_db/src$ java Run
Connecting to database...
Creating statement...

Hey! Welcome. Please select appropriate option:

1. Add a customer
2. Remove a customer
3. Reset your password
4. List of Items
5. Compute your total bill
6. Add an Item
7. Place an order
0. Exit

Enter your choice: 3
Enter customer ID: 101
Enter customer password: 28n38y3
Please enter the new password: lol
Database Updated Sucessfully.
```

List of Items

```
Terminal - harsha
File Edit View Terminal Tabs Help
harsha@xfce:~/Semester-4/DB_Lab/session 10/ecommerce_db/src$ javac Run.java
harsha@xfce:~/Semester-4/DB_Lab/session 10/ecommerce_db/src$ java Run
Connecting to database...
Creating statement...

Hey! Welcome. Please select appropriate option:

1. Add a customer
2. Remove a customer
3. Reset your password
4. List of Items
5. Compute your total bill
6. Add an Item
7. Place an order
0. Exit

Enter your choice: 4
Please select appropriate option:
1. List of all customers
2. List of all orders
3. List of all products
4. List of all transactions

Enter your choice: 1

Please enter the owner's ID: 1
Please enter the owner's password: 1234

Customer ID: 101
Customer Name: Mr. Bean
Customer Mobile Number: 111-111-111
Customer Email: j@email.com

Customer ID: 102
Customer Name: Teddy Daniels
Customer Mobile Number: 222-222-222
Customer Email: td@email.com
```


Total Bill

```
Terminal - harsha@xfce
File Edit View Terminal Tabs Help
harsha@xfce:~/Semester-4/DB_Lab/session 10/ecommerce_db/src$ javac Run.java
harsha@xfce:~/Semester-4/DB_Lab/session 10/ecommerce_db/src$ java Run
Connecting to database...
Creating statement...

Hey! Welcome. Please select appropriate option:

1. Add a customer
2. Remove a customer
3. Reset your password
4. List of Items
5. Compute your total bill
6. Add an Item
7. Place an order
0. Exit

Enter your choice: 5
Enter customer ID: 103
Total: 4542.0
```

Add Item

```
Terminal - harsha@xfce
File Edit View Terminal Tabs Help
harsha@xfce:~/Semester-4/DB_Lab/session 10/ecommerce_db/src$ javac Run.java
harsha@xfce:~/Semester-4/DB_Lab/session 10/ecommerce_db/src$ java Run
Connecting to database...
Creating statement...

Hey! Welcome. Please select appropriate option:

1. Add a customer
2. Remove a customer
3. Reset your password
4. List of Items
5. Compute your total bill
6. Add an Item
7. Place an order
0. Exit

Enter your choice: 6
Enter Product ID: 205
Enter the name of seller: Harsha
Enter the price: 10000
Enter the name of product: Hp laptop
Category of the product: electronics
Please enter the owner's ID: 1
Please enter the owner's password: 1234
Authentication Successful.
Database Updated Successfully .
```

Place Order

```
Terminal - harsha@xfce
File Edit View Terminal Tabs Help
harsha@xfce:~/Semester-4/DB_Lab/session 10/ecommerce_db/src$ javac Run.java
harsha@xfce:~/Semester-4/DB_Lab/session 10/ecommerce_db/src$ java Run
Connecting to database...
Creating statement...

Hey! Welcome. Please select appropriate option:

1. Add a customer
2. Remove a customer
3. Reset your password
4. List of Items
5. Compute your total bill
6. Add an Item
7. Place an order
0. Exit

Enter your choice: 7
Enter customer ID: 101
Enter the price: 7000
Enter the location: Hyd
Enter password: lol
Authentication Sucessful.
Database Updated Sucessfully .
```

Exit database

```
Terminal - harsha@xl
File Edit View Terminal Tabs Help
harsha@xfce:~/Semester-4/DB_Lab/session 10/ecommerce_db/src$ javac Run.java
harsha@xfce:~/Semester-4/DB_Lab/session 10/ecommerce_db/src$ java Run
Connecting to database...
Creating statement...

Hey! Welcome. Please select appropriate option:

1. Add a customer
2. Remove a customer
3. Reset your password
4. List of Items
5. Compute your total bill
6. Add an Item
7. Place an order
0. Exit

Enter your choice: 0
See you again!
harsha@xfce:~/Semester-4/DB_Lab/session 10/ecommerce_db/src$
```