

## Part 5 Screenshots

Library selection prompt, main menu, and current library change.

```
[valkyrie:~/Dropbox/databases/project/part_5] (git:master) $ make
java -cp ./mysql-connector.jar Main
These are the available libraries in the system:
 1 - Creative Name Library
 2 - Green Public Library
 3 - John Hopkins Library
 4 - National Public Library
 5 - Yellow Public Library
Please enter the number of your library: 1
Current library: Creative Name Library
 1 - Change current library
 2 - Find a customer
 3 - Checkout an item
 4 - Add a new item
 5 - Add a new customer
 6 - Remove an employee
 7 - Exit
Enter the number of your choice: 1
These are the available libraries in the system:
 1 - Creative Name Library
 2 - Green Public Library
 3 - John Hopkins Library
 4 - National Public Library
 5 - Yellow Public Library
Please enter the number of your library: 3
Current library: John Hopkins Library
 1 - Change current library
 2 - Find a customer
 3 - Checkout an item
 4 - Add a new item
 5 - Add a new customer
 6 - Remove an employee
 7 - Exit
Enter the number of your choice: █
```

Add books, movies, and customers.

```
bash
6 - Remove an employee
7 - Exit
Enter the number of your choice: 4
What type of item is it?
1. Book
2. Movie
3. Audio
1
Enter 20 character item ID: 09876543211234567890
Enter the author's full name: J.K. Rowling
Enter the title: Harry Potter and the Sorcerer's Stone
Enter the year: 2004
Enter the number of pages: 502
Enter the genre: fantasy
Book successfully added!
Current library: Creative Name Library
1 - Change current library
2 - Find a customer
3 - Checkout an item
4 - Add a new item
5 - Add a new customer
6 - Remove an employee
7 - Exit
Enter the number of your choice: 4
What type of item is it?
1. Book
2. Movie
3. Audio
2
Enter 20 character item ID: 12345678900987654321
Enter the title: The Fellowship of the Ring
Enter the year: 2010
Enter the length in minutes: 200
Enter the genre: fantasy
Movie successfully added!
Current library: Creative Name Library
1 - Change current library
2 - Find a customer
3 - Checkout an item
4 - Add a new item
5 - Add a new customer
6 - Remove an employee
7 - Exit
Enter the number of your choice: 5
Enter 20 character customer ID: 1223-3432-1213-2322
ID must be 20 characters: 1234-5467-9854-98761
Enter customer's last name: Gray
Enter customer's first name: Scott
Enter customer's birth date (e.g. January 13, 2012): March 11, 1990
Customer successfully added!
Current library: Creative Name Library
1 - Change current library
2 - Find a customer
3 - Checkout an item
4 - Add a new item
5 - Add a new customer
6 - Remove an employee
7 - Exit
Enter the number of your choice: 7
[vaikryie:~/Dropbox/databases/project/part_5] (git:master) $
```

## Search for customer by late fees

```
[valkyrie:~/Dropbox/databases/project/part_5] (git:master) $ make
java -cp ./mysql-connector.jar Main
These are the available libraries in the system:
1 - Creative Name Library
2 - Green Public Library
3 - John Hopkins Library
4 - National Public Library
5 - Yellow Public Library
Please enter the number of your library: 1
Current library: Creative Name Library
1 - Change current library
2 - Find a customer
3 - Checkout an item
4 - Add a new item
5 - Add a new customer
6 - Remove an employee
7 - Exit
Enter the number of your choice: 2
Searching Creative Name Library for customer
1 - Find By First Name
2 - Find By Late Fees
3 - Exit
Enter the number of your choice: 2
Enter minimum Late Fee: 1.0
Customer:
    First Name: Hannah
    Last Name: Granger
    Total Fines: 2.53
    Customer Id: 10001100011000110001
Current library: Creative Name Library
1 - Change current library
2 - Find a customer
3 - Checkout an item
4 - Add a new item
5 - Add a new customer
6 - Remove an employee
7 - Exit
Enter the number of your choice: █
```

## Checkout item

```
[valkyrie:~/Dropbox/databases/project/part_5] (git:master) $ make build
javac Main.java
[valkyrie:~/Dropbox/databases/project/part_5] (git:master) $ make
java -cp .:mysql-connector.jar Main
These are the available libraries in the system:
1 - Creative Name Library
2 - Green Public Library
3 - John Hopkins Library
4 - National Public Library
5 - Yellow Public Library
Please enter the number of your library: 4
Current library: National Public Library
1 - Change current library
2 - Find a customer
3 - Checkout an item
4 - Add a new item
5 - Add a new customer
6 - Remove an employee
7 - Exit
Enter the number of your choice: 3
Enter the 20 character itemID: FGJA-8410-0000-0010J
Enter the 20 character customerID: 30003300033000330003
National Public Library
Checkout successful!
Current library: National Public Library
1 - Change current library
2 - Find a customer
3 - Checkout an item
4 - Add a new item
5 - Add a new customer
6 - Remove an employee
7 - Exit
Enter the number of your choice: 7
[valkyrie:~/Dropbox/databases/project/part_5] (git:master) $
```

```
bash
Last login: Wed Apr 24 23:24:54 on tty001
[valkyrie:~] $ mysql -u csc310 csc310
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 2661
Server version: 5.5.20a MySQL Community Server (GPL)

Copyright (c) 2000, 2011, Oracle and/or its affiliates. All rights reserved.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show tables;
+-----+
| Tables_in_csc310 |
+-----+
| Accesses          |
| Checkout          |
| Customer          |
| Employee          |
| Item              |
| Library           |
| Loan              |
+-----+
7 rows in set (0.00 sec)

mysql> select * from Item where libraryName like "National";
-> ;
Empty set (0.02 sec)

mysql> select * from Item where libraryName like "National";
+-----+
| itemID | libraryName | mediaType | author | title | year | length | genre | artist |
+-----+
| FGJA-8410-0000-0010J | National Public Library | movie | NULL | Live Free or Die Hard | 2007 | 120 | action | NULL |
+-----+
1 row in set (0.00 sec)

mysql> select * from Customer;
+-----+
| customerID | lastName | firstName | birthDate |
+-----+
| 10001100011000110001 | Granger | Hannah | 1922-01-03 |
| 1234-5678-9054-00761 | Gray | Scott | 1900-03-11 |
| 20002200022000220002 | Johnny | Bravo | 1984-09-15 |
| 30003300033000330003 | Jeffery | Barthelon | 2000-06-06 |
| 40004400044000440004 | John | Snow | 2003-00-02 |
| 50005500055000550005 | Seth | Mary | 1972-01-01 |
+-----+
6 rows in set (0.00 sec)

mysql> select * from Customer, Accesses where libraryName like "National";
+-----+
| customerID | lastName | firstName | birthDate | customerID | libraryName |
+-----+
| 10001100011000110001 | Granger | Hannah | 1922-01-03 | 30003300033000330003 | National Public Library |
| 1234-5678-9054-00761 | Gray | Scott | 1900-03-11 | 30003300033000330003 | National Public Library |
| 20002200022000220002 | Johnny | Bravo | 1984-09-15 | 30003300033000330003 | National Public Library |
| 30003300033000330003 | Jeffery | Barthelon | 2000-06-06 | 30003300033000330003 | National Public Library |
| 40004400044000440004 | John | Snow | 2003-00-02 | 30003300033000330003 | National Public Library |
| 50005500055000550005 | Seth | Mary | 1972-01-01 | 30003300033000330003 | National Public Library |
+-----+
6 rows in set (0.04 sec)

mysql>
```