Ricardo Quiroga

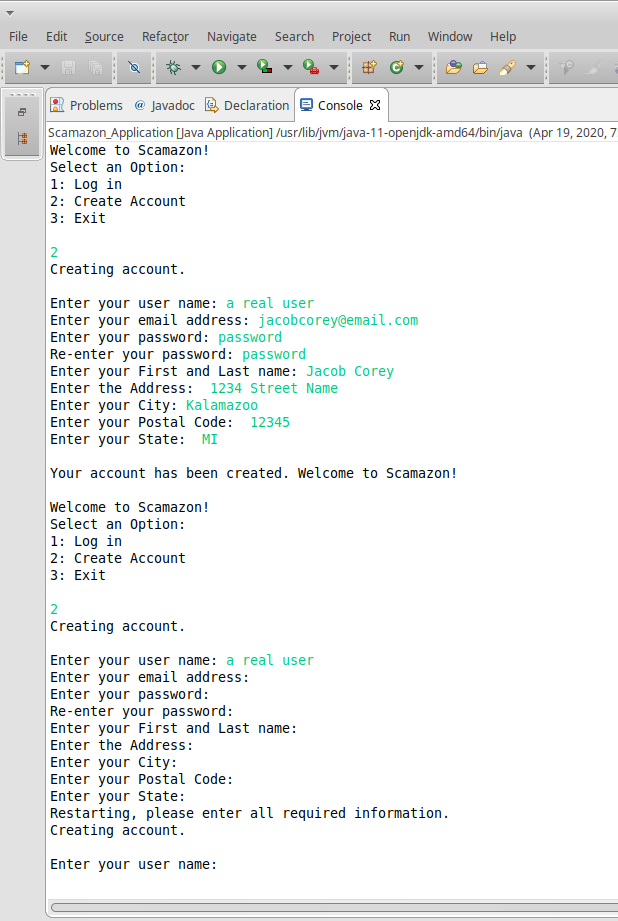
Jacob Corey

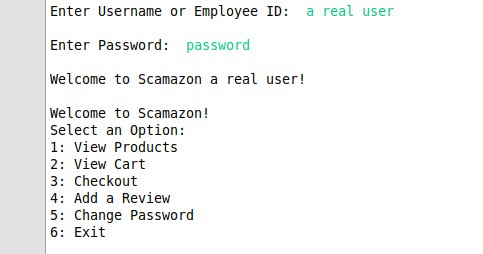
CS 4430 Final Project Report

Our project which we titled “Scamazon” is a text-based database program that resembles product selling websites such as Amazon. We decided to use Java for this, since it was the language that we were most familiar with.

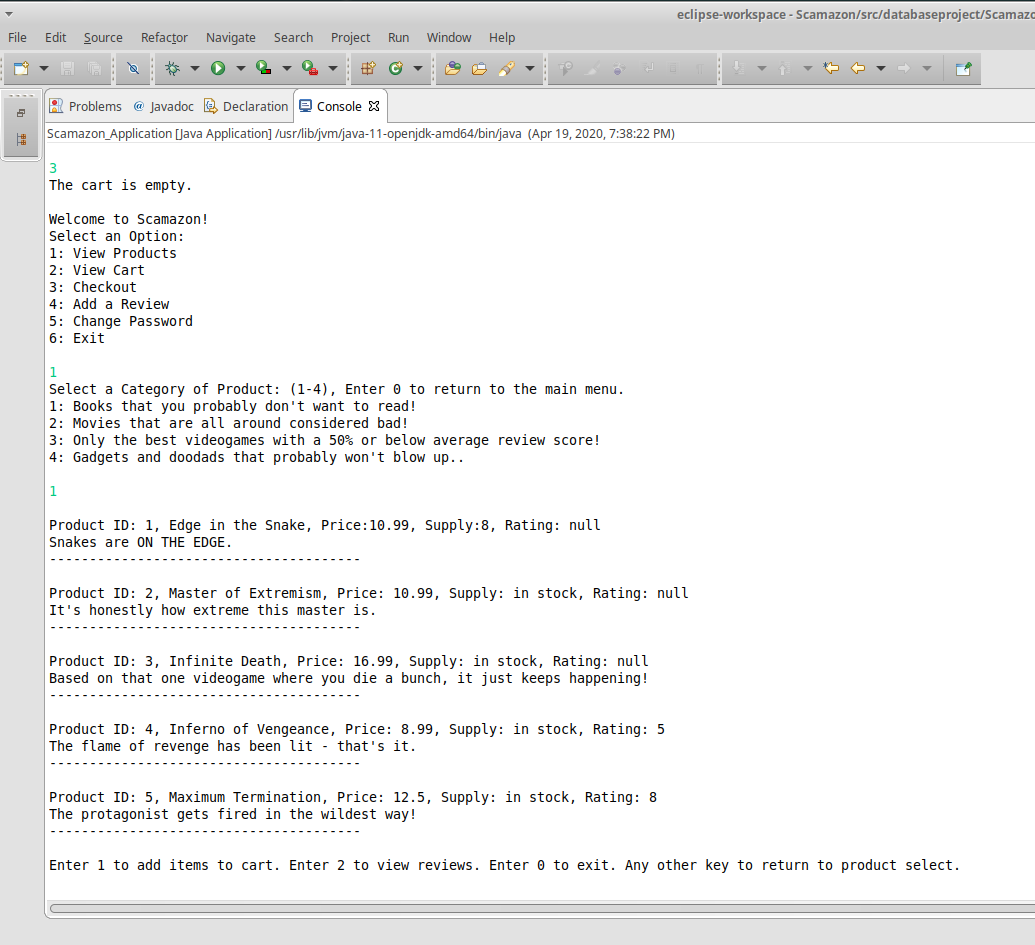
Scamazon opens with a menu allowing the user to either log in to the application or create a customer account in the database. The login method sanitized the user’s input and queries the users table to see if both the userID and password match. If they do it will create a customer class. If not, it will check to see if it is an employee id and password. The user can also choose to create an account. The program will check to make sure the passwords are the same and that the chosen userID does not already exist in the system.

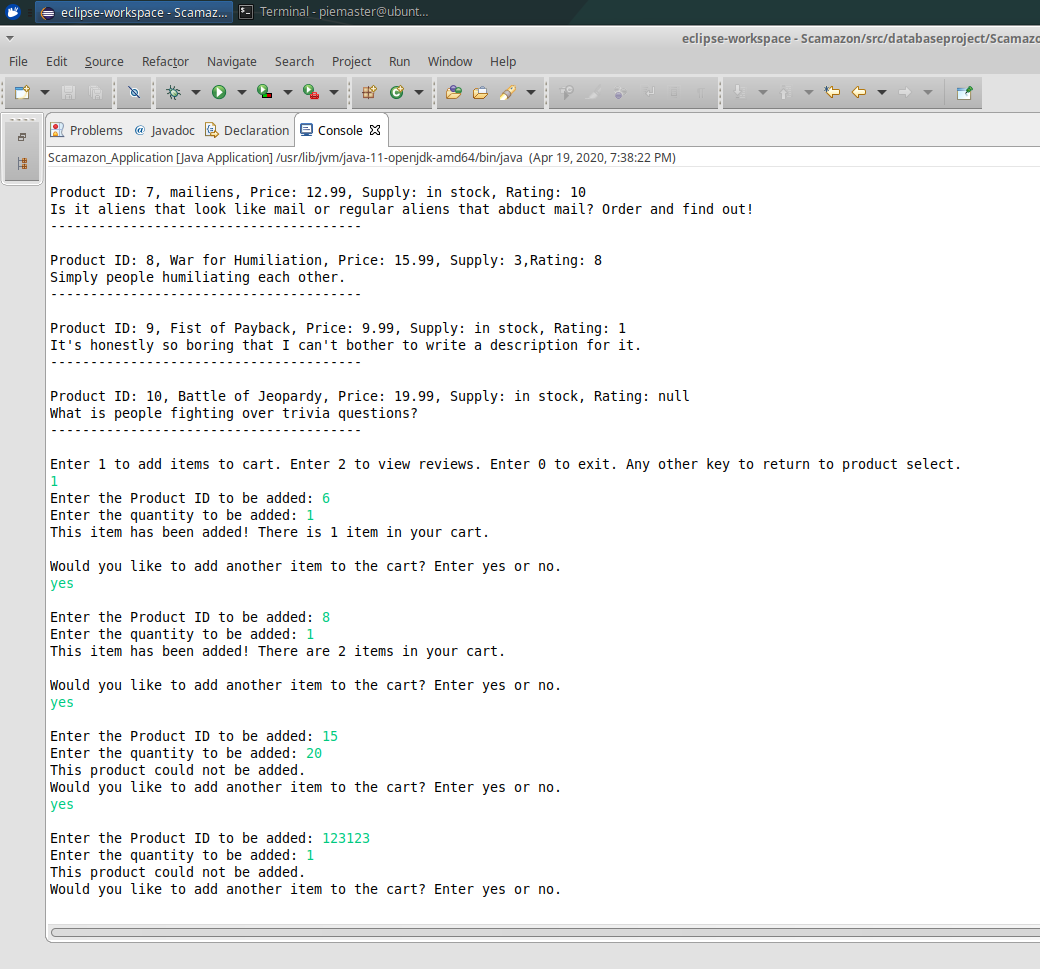
Upon customer login there is a menu allowing the customer to check items, view their cart, checkout, post or edit a review or change their password.





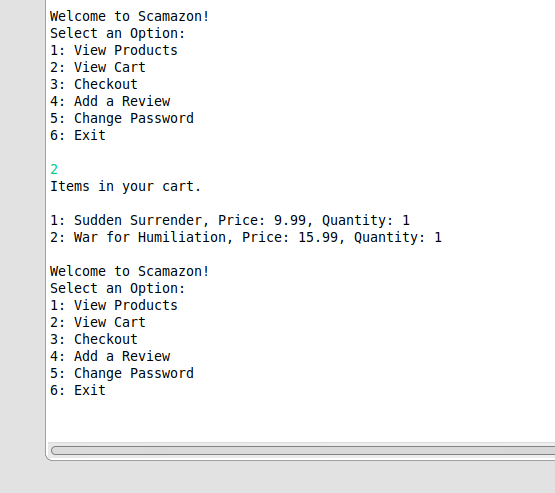
The customer can select from several categories in the database and the program will display the item information. They can then add items to a cart or view reviews for those items.





Items will be added to the cart if they are in the database and the stock is greater than the quantity ordered.

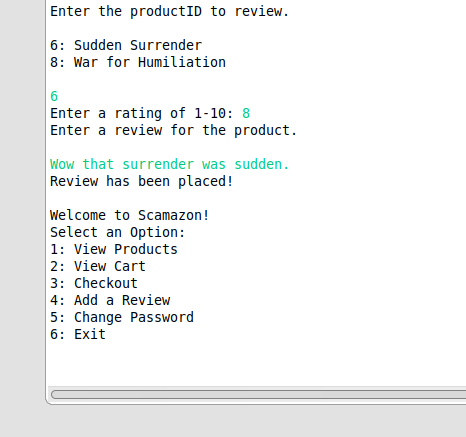
The customer can check their cart, this prints the contents on the screen. The customer will be told if the cart is empty.



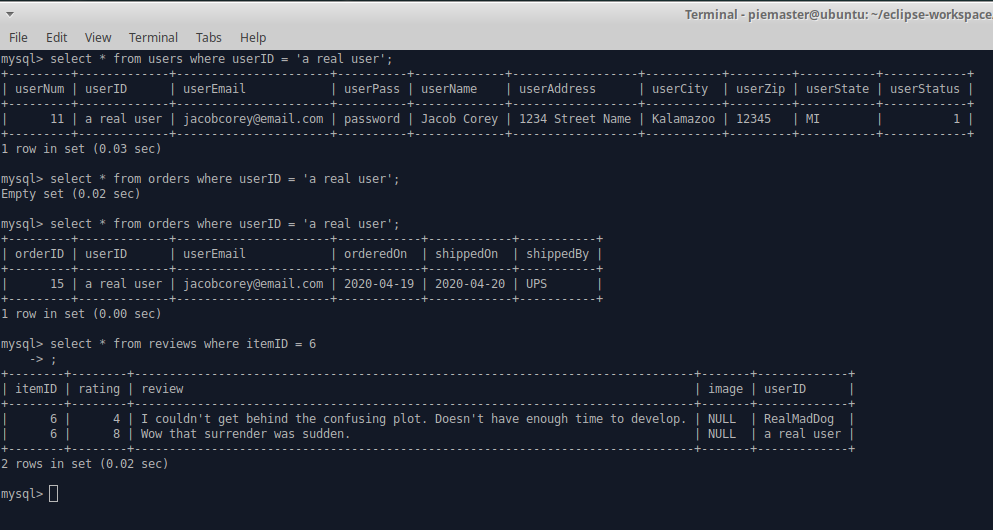
The customer can checkout which will “purchase” items in their cart. They will be asked if their address information is correct and will either update the address or process the transaction. If there is nothing in the cart it will notify the customer. The database will be updated with the order details if the order is processed.

The program will place the order on the current day and ship it the day after.

The user can then place a review for a product, which will go in the reviews table and update the average product rating in the database.



A screenshot of the database after a user was created, an order was placed, and a review was made.

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Lessons Learned:

* Using databases for these types of systems is extremely important. They allow for safe data storage and are easy to update and modify.
* Sanitation of input can be done by using prepared statements instead of solely using statements. This provides more security.