Project Part 2

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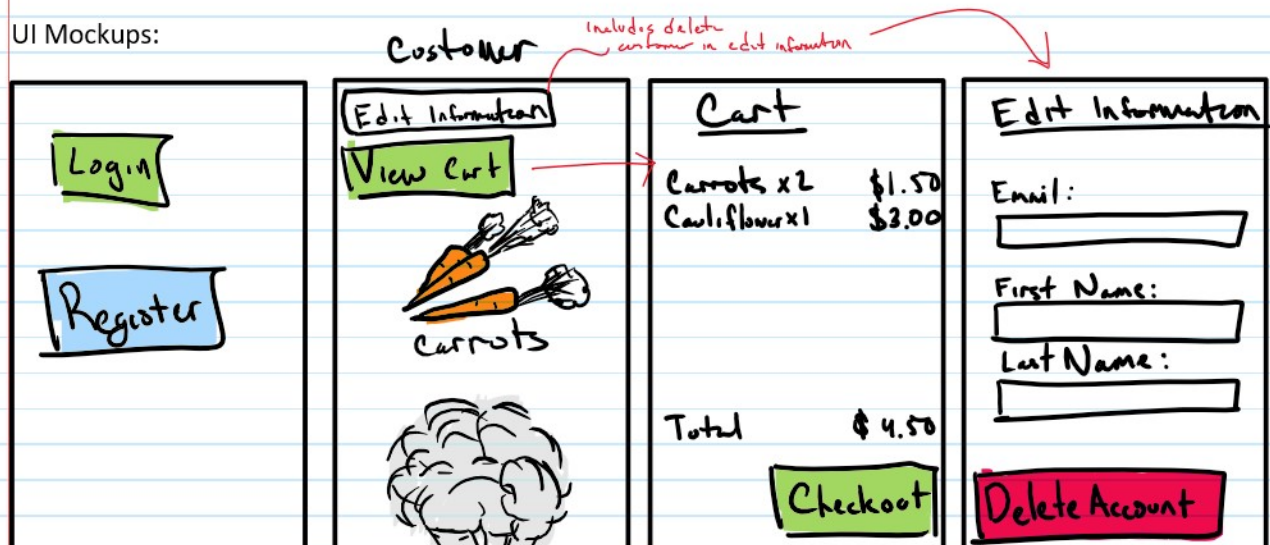Github Link: https://github.com/neilxnguyen/csci4448
Title: Grocery Store Inventory
Description: A Grocery Store stock management application that will be able to keeep track of goods in a store, the cost of goods, and information on customers.
Project Requirements:

ID	Requirement	Responsibility	Actor	Priority
UR-001	As a user, I want to be able to create an account, with an option to become an Admin	Start	User	Critical
UR-002	As an admin, I can add products	Administrative Functionality	Admin	Critical
UR-003	As an admin, I can modify product attributes	Administrative Functionality	Admin	Moderate
UR-004	As a customer, I want to be able to modify my account information	Customer	Customer	Moderate
UR-005	As a customer, I want to be able to checkout the items I ordered	Checkout	Customer	Critical
UR-006	As a customer, I want to be able to add orders to my shopping cart	Customer	Customer	Moderate
UR-007	As a customer, I want to be able to remove orders from my shopping cart	Customer	Customer	Moderate
UR-008	As a customer, I want to be able to delete my account	Customer	Customer	Moderate
UR-009	As a customer, I want to be able to see the orders in my shopping cart	Customer	Customer	Moderate

UI Mockups:

Customer

Includes delete customer in edit information

Login
Register

Edit Information
View Cart
Carrots

Cart
Carrots x2 $1.50
Cauliflower x1 $3.00
Total $4.50
Checkout

Edit Information
Email:
First Name:
Last Name:
Delete Account

UI mockups ARE NOT FINAL, subject to change.

Class Diagram:

User
- userEmail: String
- userType: Integer
- registerUser()

Customer
- customerID: Integer
- customerFirstName: String
- customerLastName: String
- deleteCustomer()
- editCustomer()
- viewCart(): Order

Admin
- adminID: Integer
- addProduct(): Product
- removeProduct(): Product
- modifyProduct(): Product

0..1
0..1

Order
- customerID: Integer
- productID: Integer
- productQuantity: Integer
- addOrder()
- removeOrder()

0..1

0..1

Checkout
- paymentType: Integer
- shoppingCart: list<Order>
- totalPrice: UnlimitedNatural
- confirmCheckout(): Boolean

0..1

Product
- productID: Integer
- productName: String
- productPrice: UnlimitedNatural
- productStock: Integer

0..1