Noishadha Chatterjee
Project 02: Online Shopping Platform
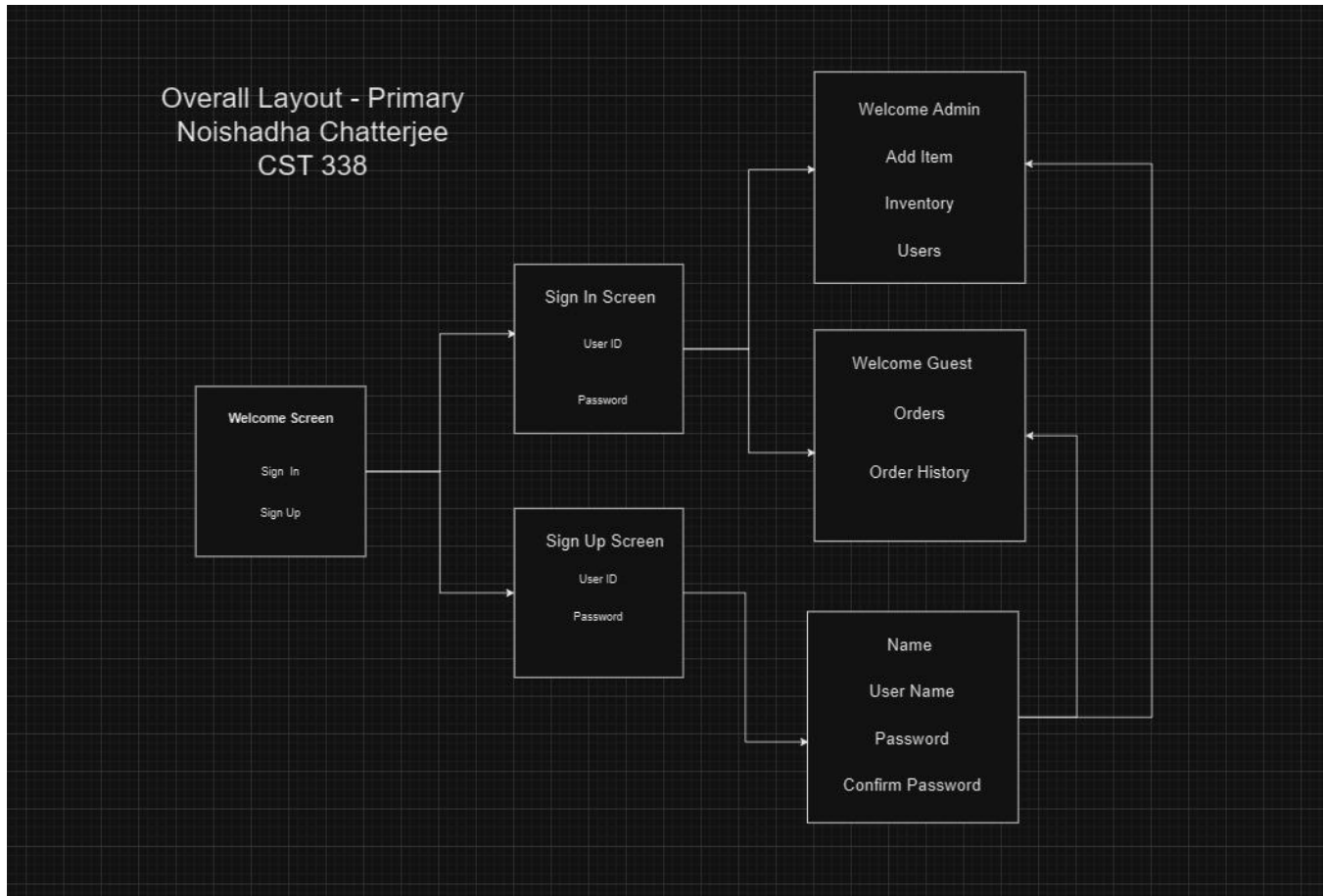CST 338 - 01, Fall 2023

# Ecommerce Application

[Describe your application here.  Note that any text enclosed in square brackets should be replaced with information about YOUR project. Please remove the brackets too. ]

Github: https://github.com/Noishadha-Chatterjee/Project-2.git

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# Initial Layout

# Use Case Model

# Entity Relationship Diagram (ERD)



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4 Tables

**User**

| | |
|---|---|
| PK | UserName |
| | UserName |
| | Password |
| | Non Admin |

**Cart**

| | |
|---|---|
| PK | CartID |
| FK | UserName |
| FK 2 | Product ID |

**Admin**

| | |
|---|---|
| PK | UserName |
| | UserName |
| | Passowrd |
| | Admin |

**Product**

| | |
|---|---|
| PK | ProductID |
| | Name |
| | Package Size |
| | Exp Date |
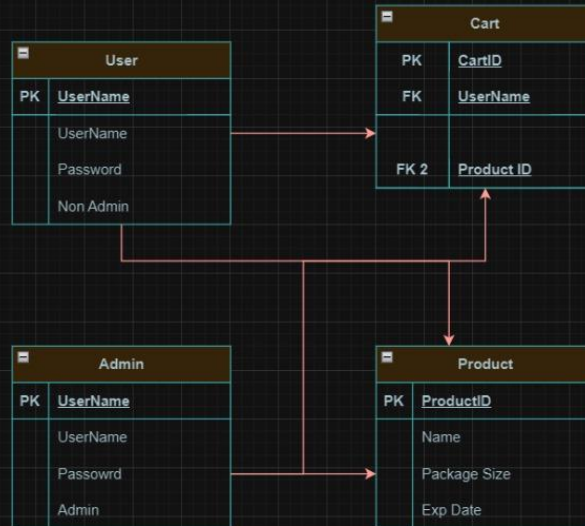
# Use Case 01: Create Account

1. User clicks the Sign-Up Button from the Sign-In Screen.
2. Sign-Up Screen is displayed.
3. User enters Name.
4. User enters Password.
5. User Clicks Create Account Button.
6. Home Page gets displayed.
7. User receives an Account Successfully Created Message.

This use case passes if all of these conditions are met. It fails otherwise.

**Alternate Flow-1:- Bad UserName:-**

1. User clicks the Sign-Up Button from the Sign-In Screen.
2. Sign-Up Screen is displayed.
3. User enters an UserName.
4. The UserName entered by User has been used before by another user.
5. User receives an Already Existing UserName message.
6. User re enters a New UserName.
7. UserName is Accepted if it is unique and hasn't been used by any other user before.
8. User enters Password.
9. User Clicks on Create Account Button.
10. Home Page gets displayed.
11. User receives an Account Successfully Created Message.

**Alternate Flow-2:-Bad Password:-**

1. User clicks the Sign-Up Button from the Sign-In Screen.
2. Sign-Up Screen is displayed.
3. User enters a Password.
4. The Password doesn't meet the Required Criteria like including :-
   ● One UpperCase Letter.
   ● One LowerCase Letter.
   ● One Special Character.
   ● One Number.
   ● Minimum 8 Characters.
   ● Unique Password/ No other User should have the same password.
5. User receives a Not Strong Password message.
6. User re enters a New Password.
7. Password is Accepted if it is strong and hasn't been used by any other user before.
8. User Clicks on Create Account Button.
9. Home Page gets displayed.
10. User receives an Account Successfully Created Message.

# Use Case 02: Login

1. User enters UseName.
2. User enter Password.
3. User gets logged into the Home Page.

**Alternate Flow: Incorrect Username:-**

1. User enters a UserName that is incorrect.
2. "User doesn't exist" message displayed.
3. User re enters UserName.

**Alternate Flow: Incorrect Password:-**

1. User enters a Password that is incorrect.
2. "Incorrect Password" message displayed.
3. User re-enters the Password.

# Use Case 03: Search

1. User clicks on the Search option.
2. User enters an Item Name that needs to be Searched.
3. A list of items with similar words is shown in a drop down list.
4. User needs to select the desired item.
5. User clicks on the Search Button.
6. Item with its name and details like price and description are displayed below.

**Alternate Flow** :

1. User searches the name of the Item.
2. Nothing is displayed if the item doesn't exist in the store.

**Alternate Flow** :

1. User searches the name of the Item.
2. "Out Of Stock" message is displayed if the item is currently unavailable in the store.

# Use Case 04: Buy

1. After selecting the item the User clicks on the Buy Option.
2. A Confirmation Message pops up.
3. User Confirms Purchase - Selects one among Yes or No.
4. User is directed to the Payment Page.
5. User selects the Mode of Payment.
6. Payment Confirmation Message is received.
7. The item is added to the Order History.
8. The selected item is subtracted from the stock.

**Alternate Flow :-**

1. If the item is not in stock "Item not in stock" message is displayed.
2. The Add to WishList message popped.
3. User Selects whether the Item should be added to the WishList -Yes or No.

# Use Case 05: Cancel Order

1. User Searches for the Order that needs to be canceled.
2. User clicks on the "Cancel Order Button".
3. Message of "Confirm Cancellation" pops up. - User selects the Yes option.
4. User clicks cancel order
5. "Order Canceled" message is displayed.

# Use Case 06: History Of Orders

1. All Items purchased or bought by the User are Listed.
2. Details of each item like Price are displayed.
3. Previous Product rating message Pops Up.

**Alternate Flow:- Reorder**

1. Reorder option can be seen by the side of details.
2. User selects to Reorder.
3. Product details are displayed.
4. User Reorders the item.

# Use Case 07: User Profile

1. User Clicks on User Profile.
2. User Adds a Preferred Name(optional).
3. User Adds in Preferred Picture(optional).
4. User can his/her View Order History.
5. User can Edit Personal Information.

# Use Case 08: Admin_Login

1. Admin Clicks on Admin Log-In Button.
2. Admin enters Password.
3. Admin is Logged into Admin Home page.

**Alternate Flow :- Bad Password**

1. Admin Clicks on Admin Log-in Button.
2. Admin enters the wrong Password.
3. " You Have Entered Wrong Admin Password" message is displayed.
4. Admin is redirected to the Log-In page.

# Use Case 09: Admin_Features

1. Admin is Logged into the Admin Account.
2. Admin Clicks on the "Add Item to App" Button.
3. Admin Names the New Item to be Added.
4. Admin Puts the Price of the New Item
5. Admin selects the Number of Units of The New Item to be added.
6. Admin clicks on Add Button to add the item in the store.

**Alternate Flow:- Admin Views Existing Users and Items only**

1. Admin is Logged into the Admin Account.
2. Admin Clicks on View existing Users.
3. Admin Checks the Orders and Profiles of existing Users.
4. Admin clicks on the Back Button.
5. Admin Clicks on View existing Items.
6. Admin Checks the Stock and Purchase of existing Items.
7.

**Alternate Flow:- Admin Deletes Item**

1. Admin is Logged into the Admin Account.
2. Admin Clicks on the "Delete Existing Item from App" Button.
3. Admin Searches the Name of the Item to be deleted.
4. Admin clicks on Delete Button to delete the item in the store.

# Use Case 10

Use Case description

# Use Case 11

Use Case description

# Use Case 12

Use Case description