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1 . Login

1.1 Username is empty

Input: Clicking login without entering username and entering other credentials

Output: Please fill this field(Username)

1.2 Password is empty

Input: Clicking login without entering password and entering other credentials

Output: Please fill this field(Password)

1.3 Both username and Password are empty

Input: Clicking login without entering username and password and entering other credentials

Output: Please fill this field (Username)

1.4 User name/password selected is wrong

Input: Clicking login with wrong Username/password/both

Output: Invalid login credentials

1.5 Login is successful by Manager

Input: Clicking login with all correct credentials as Manager

Output: Displays GUI with options to Logout, Change price,View Sales Statistics and View Inventory

1.6 : Login is successful by Sales Clerk

Input: Clicking login with all correct credentials as
Sales Clerk

Output: Displays GUI with options to Logout, New transaction, Print bill

1.7 : Login is successful by Inventory Management Staff

Input: Clicking login with all correct credentials as
Inventory Management Staff

Output: Displays GUI with options to Logout, Add product

1.8: Clicking Logout button after successful Login

Input: The User clicks Logout button

Output: Successfully Logged Out

2: Sign up

2.1: Username is Empty

Input: Clicking signup without entering username and entering all other credentials

Output: Please fill this field (Username)

2.2: Either Password or Confirm Password are empty

Input: Clicking Sign up without entering password or Confirm Password or both and entering other credentials

Output: Please fill this field (Password/confirm Password)

2.3: All Credentials are empty

Input: Clicking Signup without entering any credentials
Output: Please fill this field (Username)

2.4: Username entered is same as existing one

Input: Clicking Signup with same username that already exists and other credentials
Output: A user with that username already exists

2.5 : Entering all correct credentials

Input : Clicking Signup after entering all correct credentials by selecting correct role

Output : Sign Up successful please login.

3. Sales Transaction :

3.1: Successfully logged in as Sales Clerk and clicking checkout button without selecting any item

Input : Sales clerk clicking checkout without selecting items

Output : Nothing happens

3.2 : Successfully logged in as Sales Clerk and clicking a new transaction button

Input : Sales clerk clicking New Transaction button and then giving the required data(like products, quantity etc)

Output : Bill is printed

4.Add Product

4.1 : Successfully logged in as Inventory Management Staff and Clicks on Add product

Input : Logs into Inventory management staff page
Output : A dialogue box opens to add products to the Inventory.A table also appear which shows items added(Which can either add new product ids and quantity or add a certain quantity of old products to the inventory.)

5. View Inventory

5.1 : Successfully logged in as Manager and clicks View Inventory Button

Input : Manger clicks Print Inventory Button

Output : Displays a table with ID, Name, Quantity, Cost of unit item,Purchase Price etc

6. View Sales Statistics

6.1 : Successfully logged in as Manager and clicks View Sales Statistics Button

Input : Manger clicks View Sales Statistics button and selects the item

Output : Prints all the statistics of the item like price realized, quantity of items sold, and the profit.

7. Update Price

7.1 : Successfully logged in as Manager and clicks Change Price Button

Input : Manger clicks Change Price button and selects the item and modifies its price

Output : Returns to the home page