

Compliance Report

for

Supermarket Automation Software (SAS)

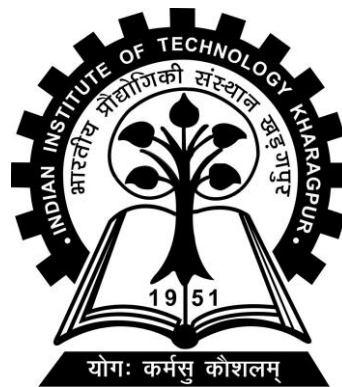
by

Group-18

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Indian Institute of Technology Kharagpur
Spring Semester, 2021-22

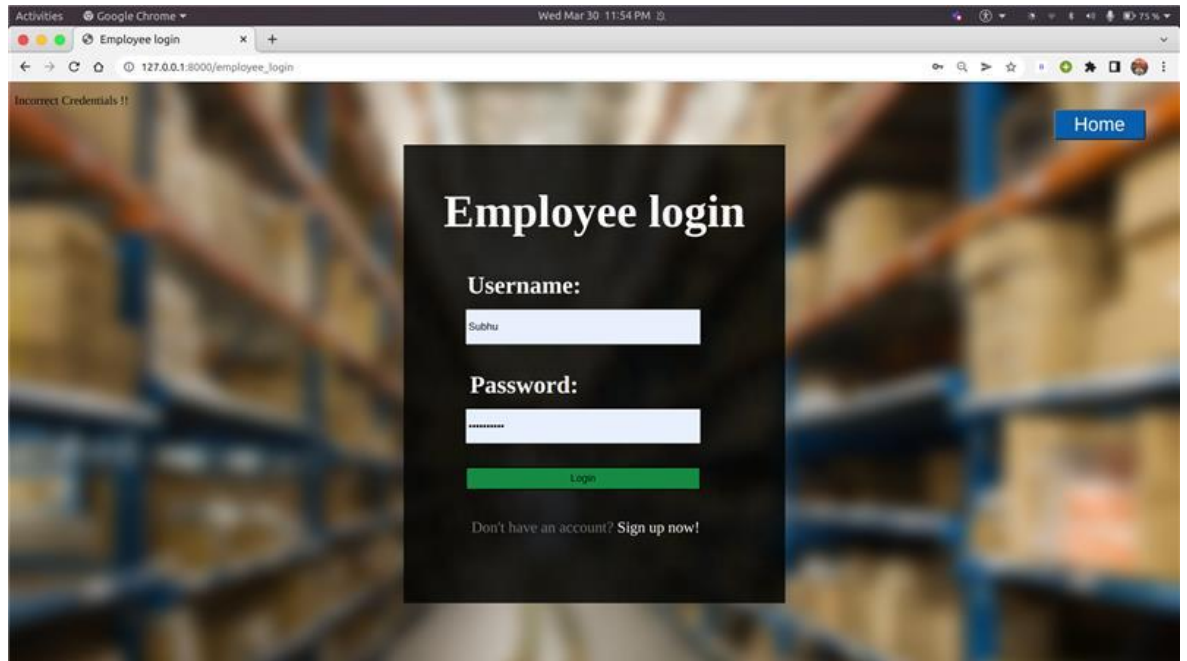
Unit Test of the following features are conducted.

login()

Input: (username, password)

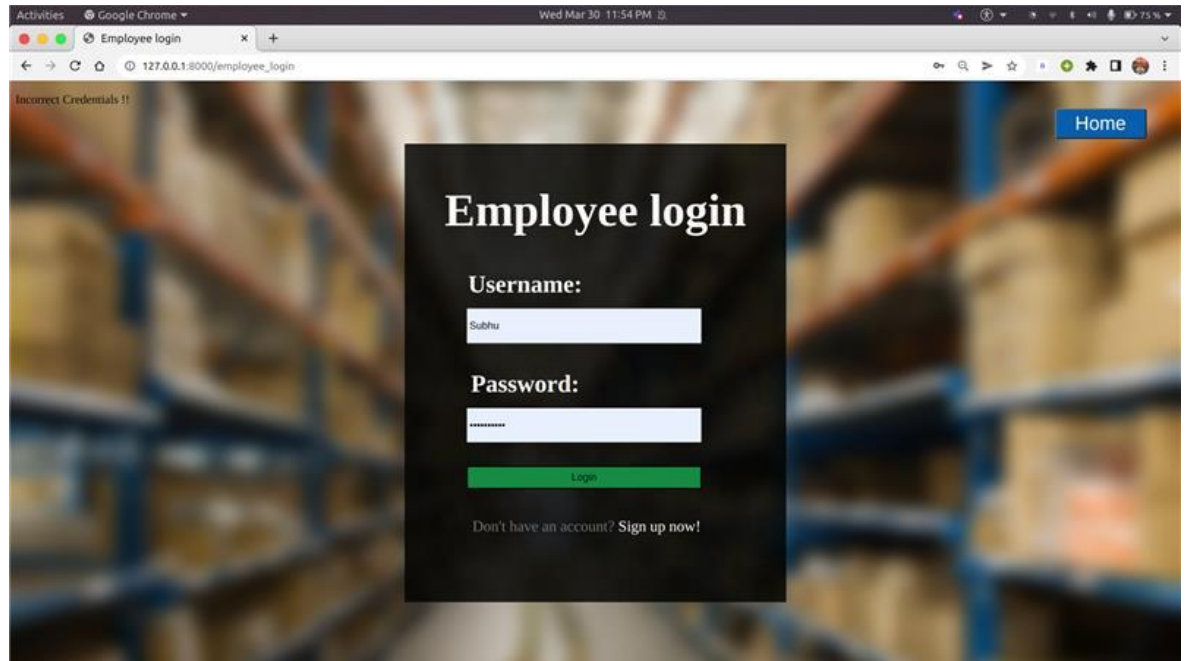
Case I: Both user Id and password entered are incorrect.

- Input: ("20", "abc")
- Output: Error



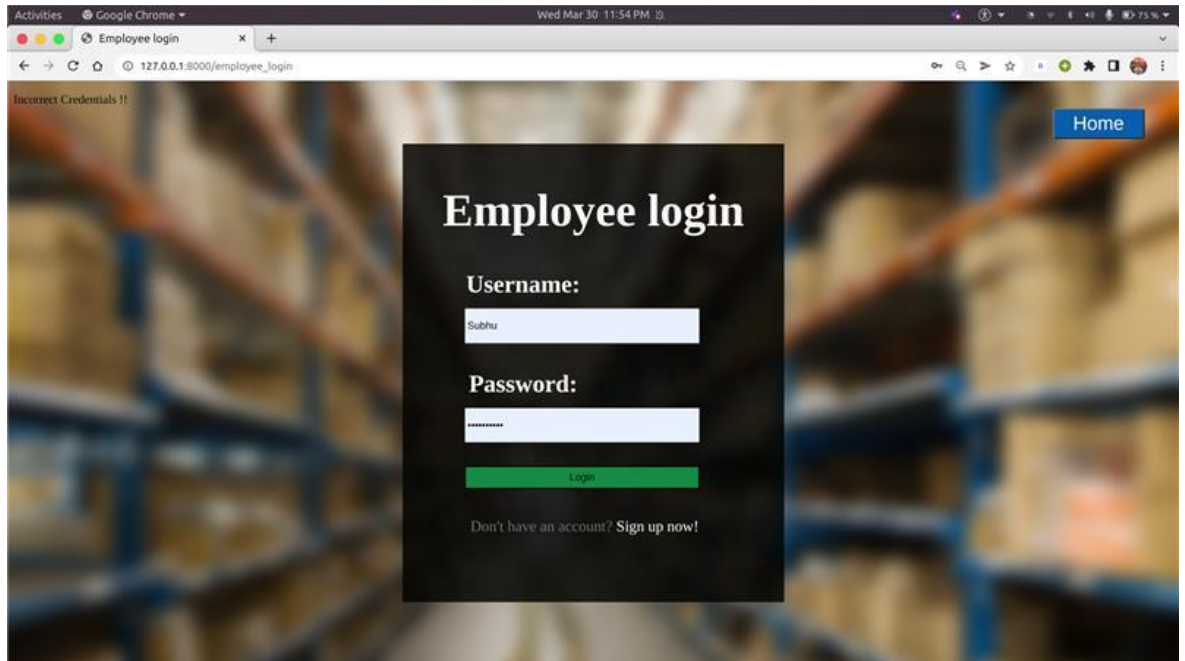
Case II: Entered user Id is correct but the password entered is incorrect.

- Input: ("20246405", "abc")
- Output: Error



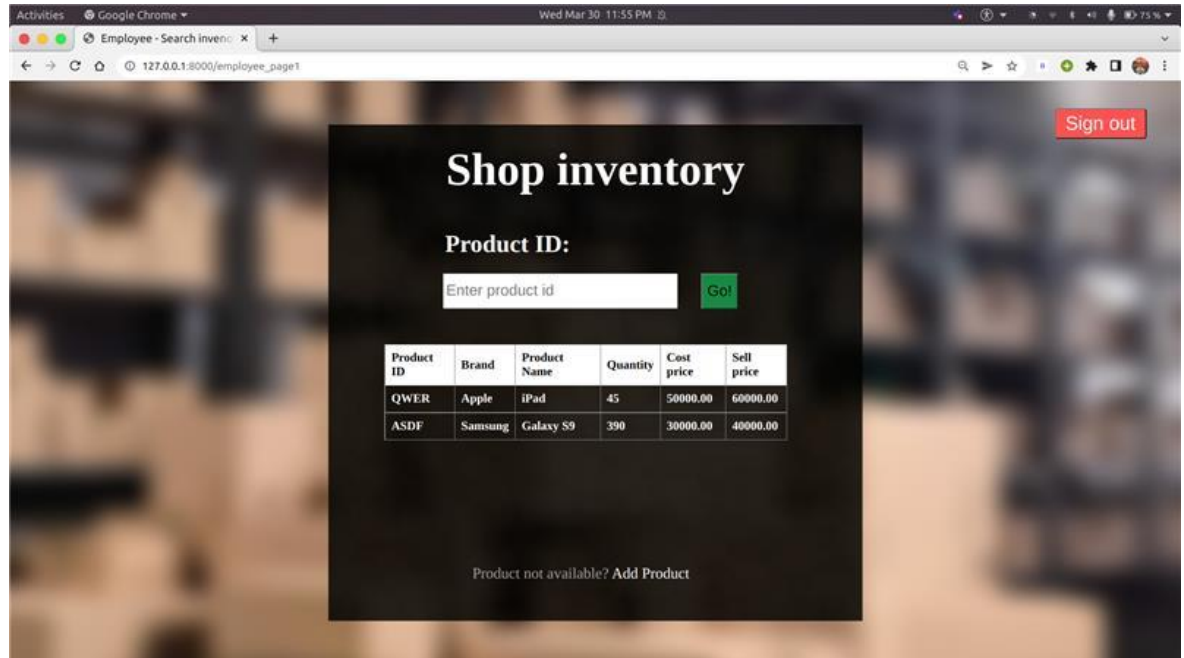
Case III: User Id incorrect but password entered is correct.

- Input: ("2024", "asdfg")
- Output: Error



Case IV: Both user Id and password entered are correct.

- Input: ("20246405", "asdfg")
- Output: Logs in



Adding a new item in the database

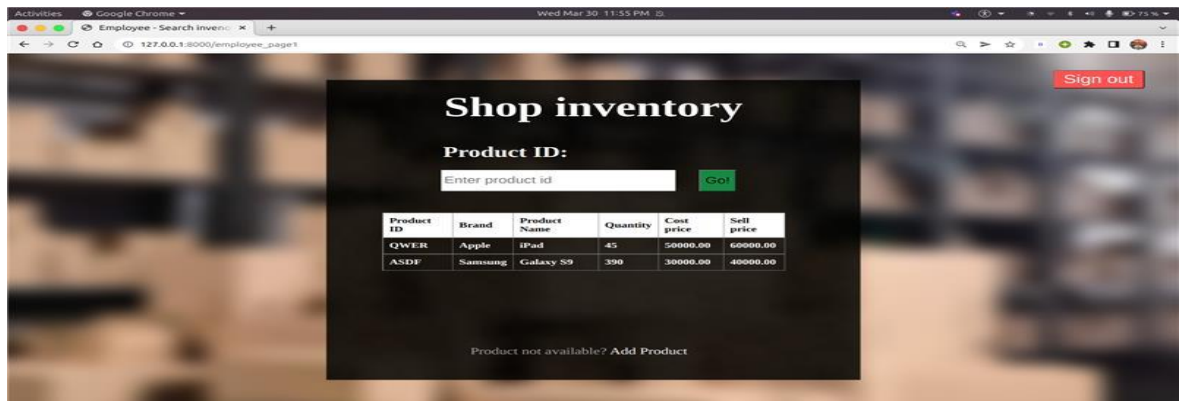
Input = (Product name, Product ID, Brand, Type, Price, Quantity)

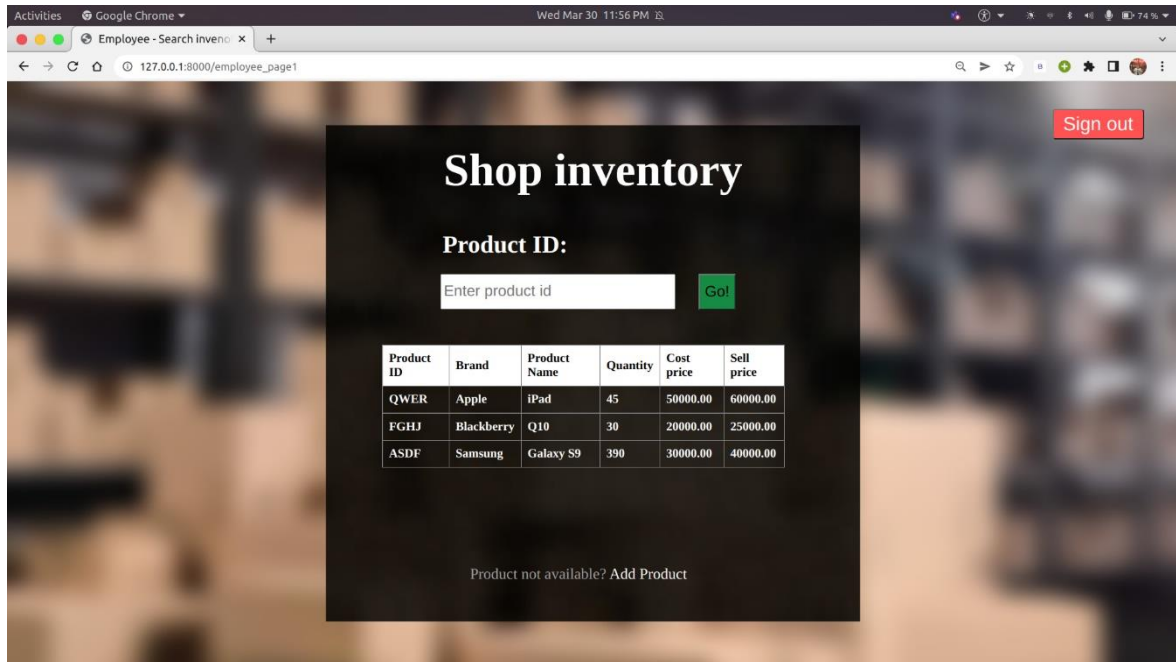
Product details are written in input boxes. Output is obtained after pressing Add product Button.

Test Scenarios:

New Item with Product Id that does not exist and Quantity, Price are all positive:

- Input: ("AA battery cells", "12345", "Everyday", "Electronics", 15.0, 20)
- Output: Upon successful addition user is directed back to employee profile page.





New Item with Product Id that already exists:

- Input: ("AA battery cells", "12345", "Everyday", "Electronics", 15.0, 20)
- - Output: error message

Activities Google Chrome Wed Mar 30 11:57 PM

Search inventory x +

127.0.0.1:8000/employee_addProduct

Sign out

Add Product

Product ID:

Brand:

Product name:

Product type:

Cost Price:

Sell Price:

Quantity:

Discard Save

New Item with Product Name of an already existing product..

- Input: ("AA battery cells", "12345", "Everyday", "Electronics", 15.0, 20)
- - Output: error message

Activities Google Chrome Wed Mar 30 11:57 PM

Search inventory x +

127.0.0.1:8000/employee_addProduct

Sign out

Add Product

Product ID:

Brand:

Product name:

Product type:

Cost Price:

Sell Price:

Quantity:

Discard Save

New Item with quantity set as a non-positive Integer:

- Input: ("AA battery cells", "12345", "Everyday", "Electronics", 15.0, -20)
- - Output: error message

Activities Google Chrome Wed Mar 30 11:57 PM

Search inventory x +

127.0.0.1:8000/employee_addProduct

Sign out

Add Product

Product ID:

Brand:

Product name:

Product type:

Cost Price:

Sell Price:

Quantity:

New Item with Price set as non-positive:

- Input: ("AA battery cells", "12345", "Everyday", "Electronics", -15.0, 20)
- Output: error message

Activities Google Chrome Wed Mar 30 11:57 PM 127.0.0.1:8000/employee_addProduct

Search inventory x +

Sign out

Add Product

Product ID:

Brand:

Product name:

Product type:

Cost Price:

Sell Price:

Quantity:

Discard Save

If the any of the box are left empty:

- Input: ("AA battery cells", "", "Everyday", "Electronics", 15.0, 20)
- Output: error message

Activities Google Chrome Wed Mar 30 11:57 PM

Search inventory x +

127.0.0.1:8000/employee_addProduct

Sign out

Add Product

Product ID:

Brand:

Product name:

Product type:

Cost Price:

Sell Price:

Quantity:

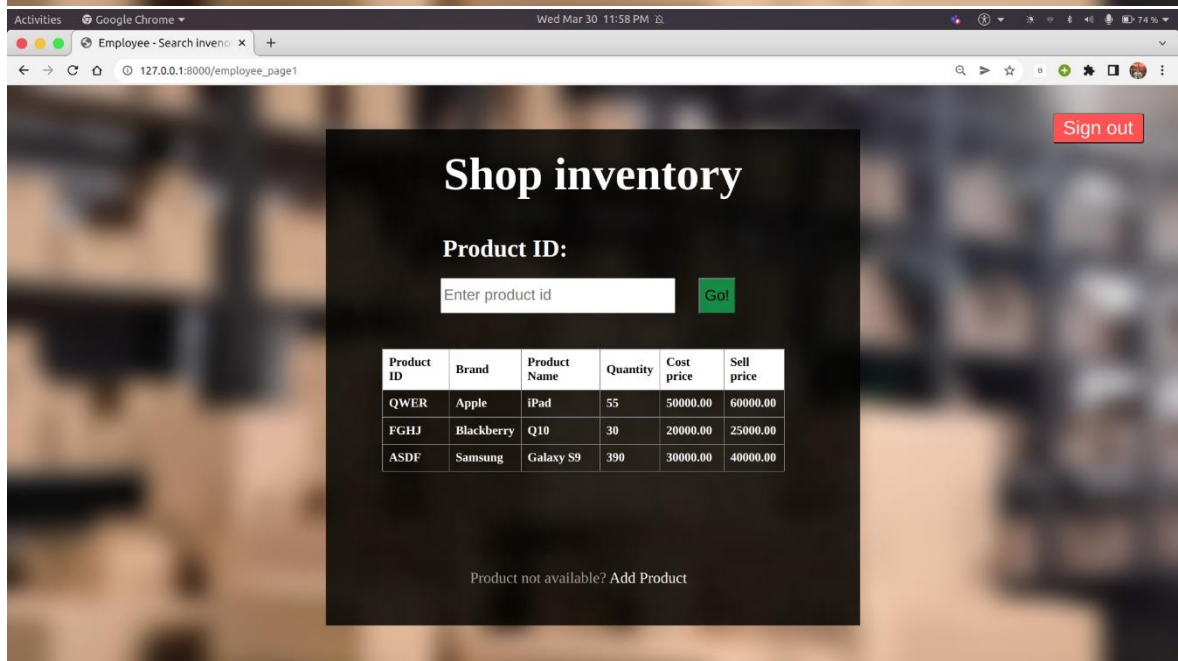
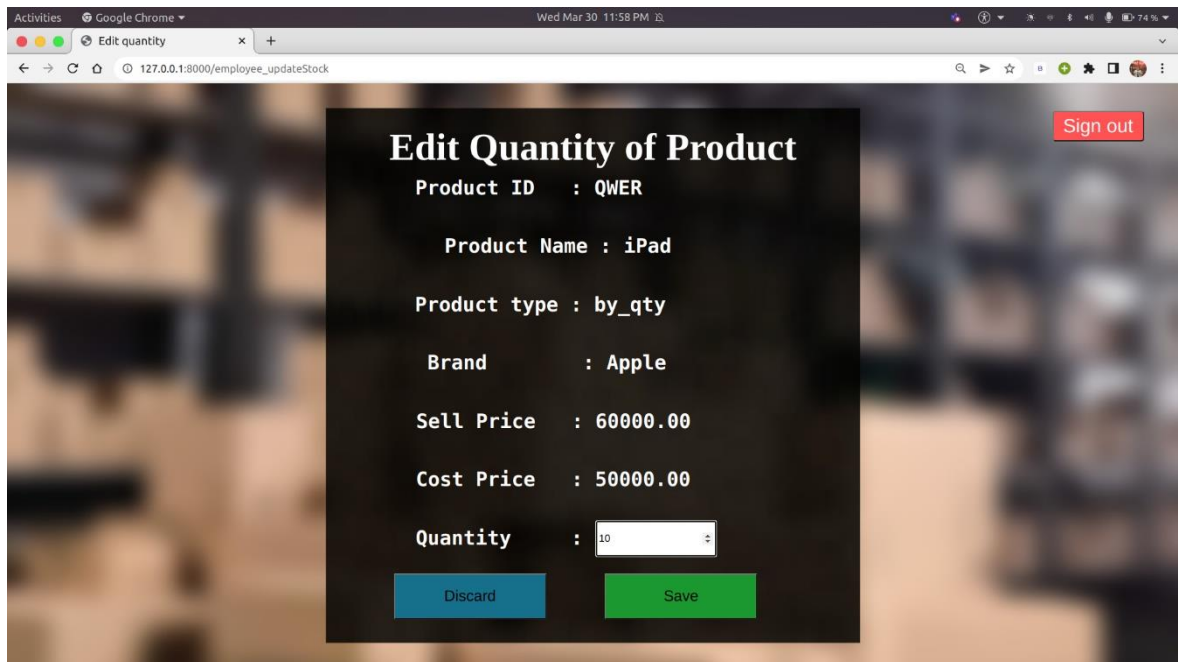
Editing the quantity of an existing Item in the database:

Input =(product id, new extra quantity)

Item is accessed and output is obtained after pressing the Save Changes button. Test Scenarios:

Entering the Product id, quantity:

- Input: ("12345", 30)
- Output: Upon successful addition of extra stock, user is directed back to employee profile page.



Editing the price of an existing Item in the database

Input =(product id, new price)

Item is accessed and the output is obtained after pressing the Save Changes button. Test

Scenarios:

Entering the Product id and valid price:

- Input: ("12345", 30.00)
- Output: Upon successful updation of price, user is directed back to manager profile page.

Activities Google Chrome Wed Mar 30 11:59 PM

Manager - Search invenoi x +

127.0.0.1:8000/manager_inventory

Sign out

Shop inventory

Product ID:

Enter product id

Product ID	Brand	Product Name	Quantity	Cost price	Sell price
QWER	Apple	iPad	55	50000.00	60000.00
FGHJ	Blackberry	Q10	30	20000.00	25000.00
ASDF	Samsung	Galaxy S9	390	30000.00	40000.00

Activities Google Chrome Wed Mar 30 11:59 PM

Edit Quantity x +

127.0.0.1:8000/manager_changePrice

Sign out

Edit Price of Product

Product ID : QWER

Product Name : iPad

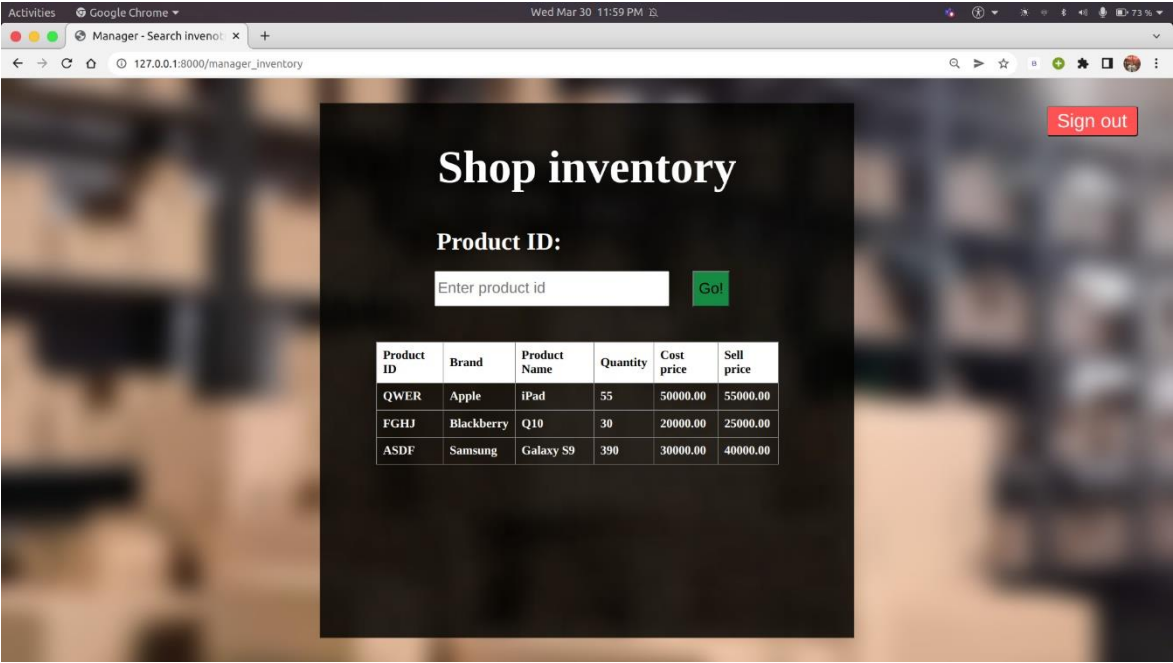
Product type : by_qty

Brand : Apple

Quantity : 55

Cost Price : 50000.00

Sell Price :



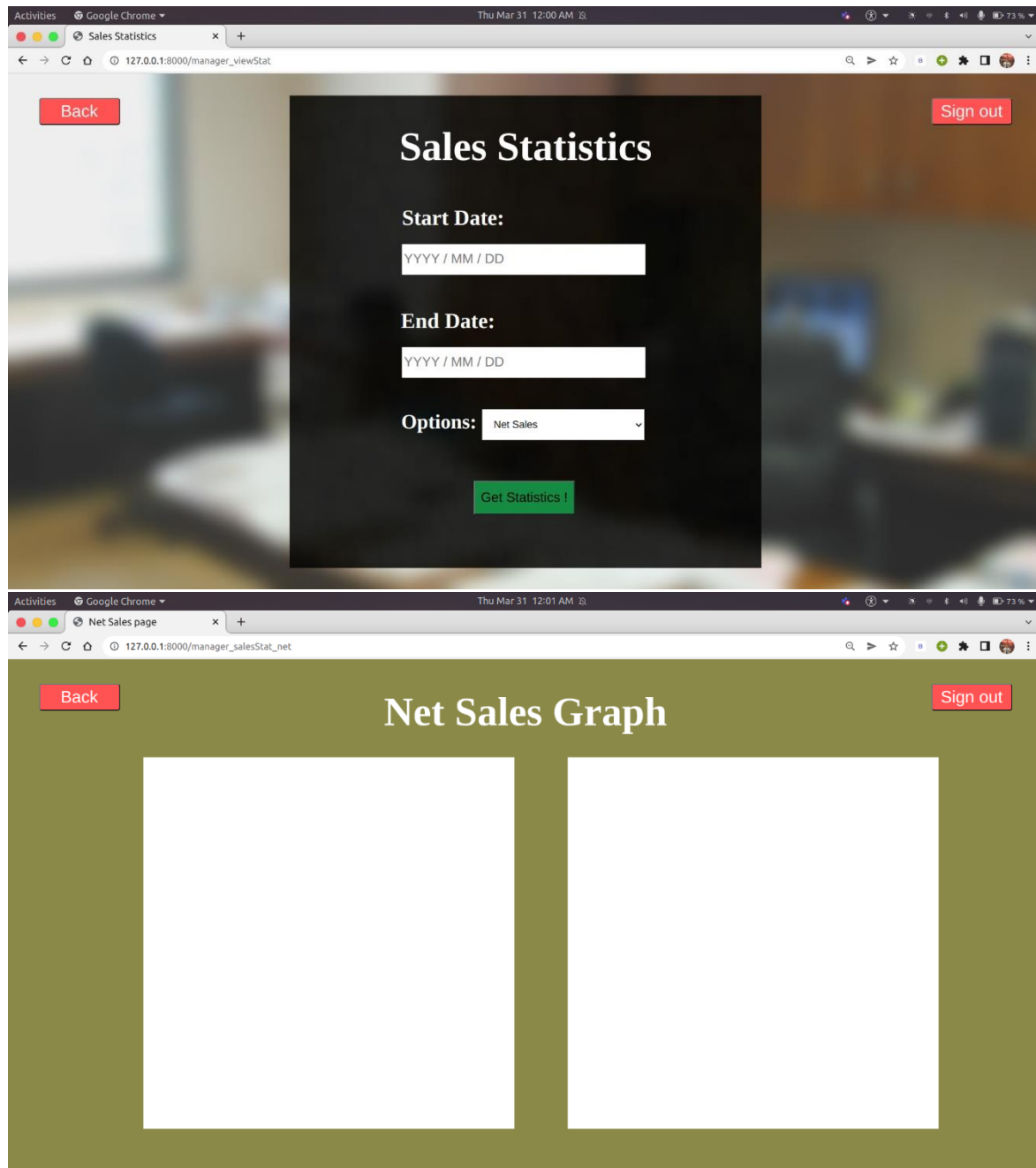
reportSalesStats()

Input = (start date, end date) Test

Scenarios:

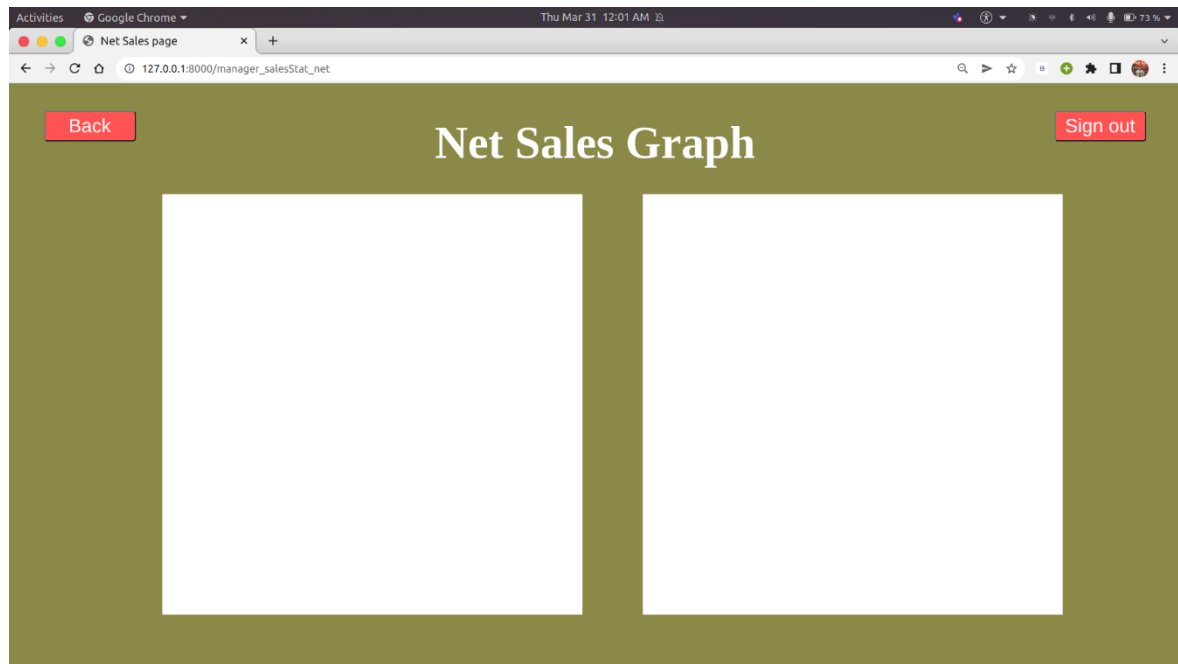
Case I: The start date is after the end date.

- Input: (26-03-2021, 25-03-2021)
- Output: Error



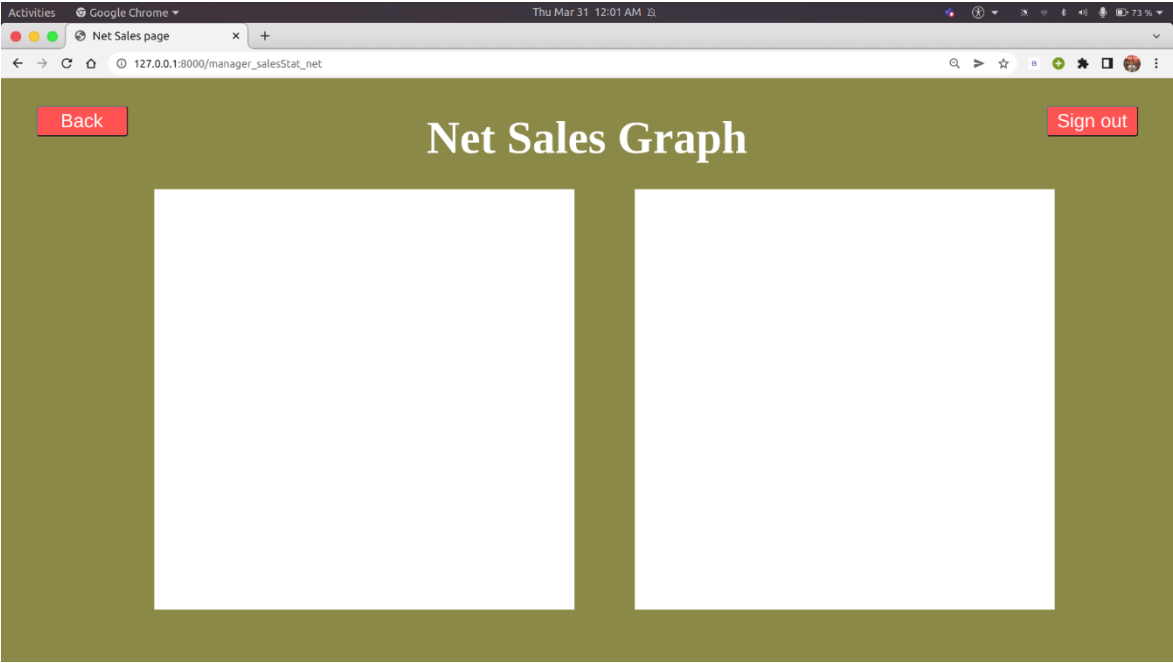
Case II: The start date is the same as the end date.

- Input: (26-03-2021, 26-03-2021)
- Output: Accepted (A single day)



Case III: The start date is before the end date

- Input: (26-03-2021, 27-03-2021)
- Output: Accepted (2 days)



createItemTransaction()

Input = (Product id, Quantity) Test

Scenarios:

Case IV: Quantity of a correctly chosen item is kept as a positive integer and enter is pressed .

- Input: ("12345", 1)
- Output: Product(s) added to Cart

Activities Google Chrome Thu Mar 31 12:05 AM

How to add & remove tabs

127.0.0.1:8000/salesClerk_generateBill

Close Bill

Technology Supermarket

Bidhan Chandra Sarani, IIT-Kgp, Kharagpur-721302

Customer bill

Customer id: 7044074078

Date: 2022/03/30

S no.	Product ID	Brand	Product name	Unit price	Quantity	Item price	Tax	Net cost
1	ASDF	Samsung	Galaxy S9	40000.00	10	400000.00	20000.00	420000.00
2	QWER	Apple	iPad	55000.00	5	275000.00	13750.00	288750.00
							33750.00	708750.00

Grand Total: 708750.00

Activities Google Chrome Thu Mar 31 12:05 AM

How to add & remove tabs

127.0.0.1:8000/salesClerk_billing

Technology Supermarket

Bidhan Chandra Sarani, IIT Kgp, Kharagpur-721302

Customer bill

Product ID

Quantity

Add

Generate Bill

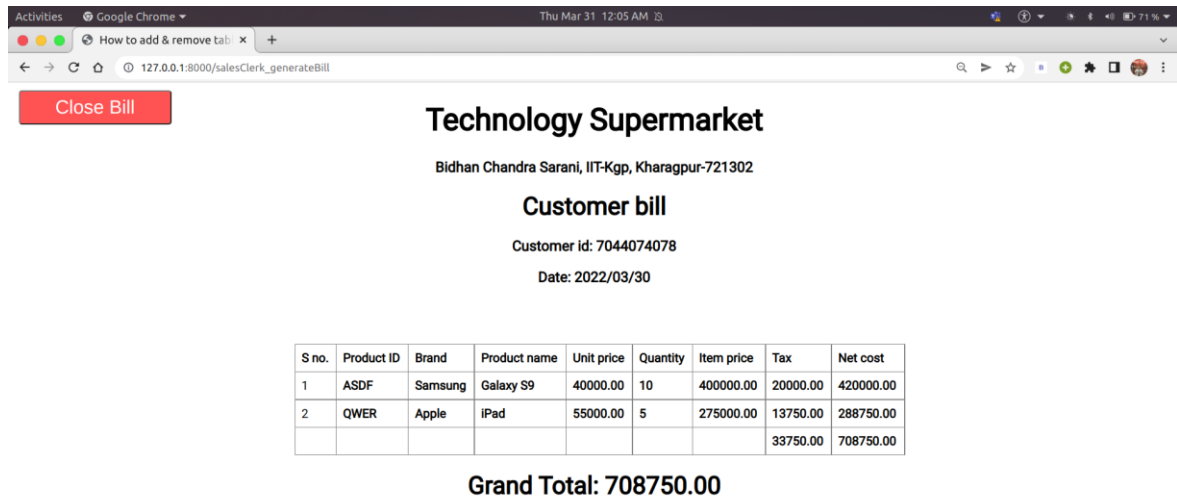
S no.	Product ID	Brand	Product name	Unit price	Quantity	Item price	Tax	Net cost
1	ASDF	Samsung	Galaxy S9	40000.00	10	400000.00	20000.00	420000.00
2	QWER	Apple	iPad	55000.00	5	275000.00	13750.00	288750.00

printBill()

When called it will show a bill only if the cart is non-empty. The following details will be printed in the bill:

- Bill Id
- Date
- Item name /ID, quantity purchased.
- Sales Clerk Id
- Total Price

It takes input from the already made createItemTransaction(), which has previously verified all the items so need to check this function.



The screenshot shows a web browser window with the URL `127.0.0.1:8000/salesClerk_generateBill`. The page displays a bill for "Technology Supermarket" with the address "Bidhan Chandra Sarani, IIT-Kgp, Kharagpur-721302". The bill is for "Customer id: 7044074078" dated "2022/03/30". It lists two items: a Samsung Galaxy S9 and an Apple iPad. The grand total is 708750.00.

Close Bill

Technology Supermarket
Bidhan Chandra Sarani, IIT-Kgp, Kharagpur-721302

Customer bill
Customer id: 7044074078
Date: 2022/03/30

S no.	Product ID	Brand	Product name	Unit price	Quantity	Item price	Tax	Net cost
1	ASDF	Samsung	Galaxy S9	40000.00	10	400000.00	20000.00	420000.00
2	QWER	Apple	iPad	55000.00	5	275000.00	13750.00	288750.00
							33750.00	708750.00

Grand Total: 708750.00

addTransaction()

A valid transaction after generation of bill is added to the Transaction list.

Input = (Bill Id, date, dictionary of Product ID, quantity, sales clerk id, Total price)

Wrong transactions can never be entered in this case because the input is taken from `createItemTransaction()` and `printBill()` which have already been validated.

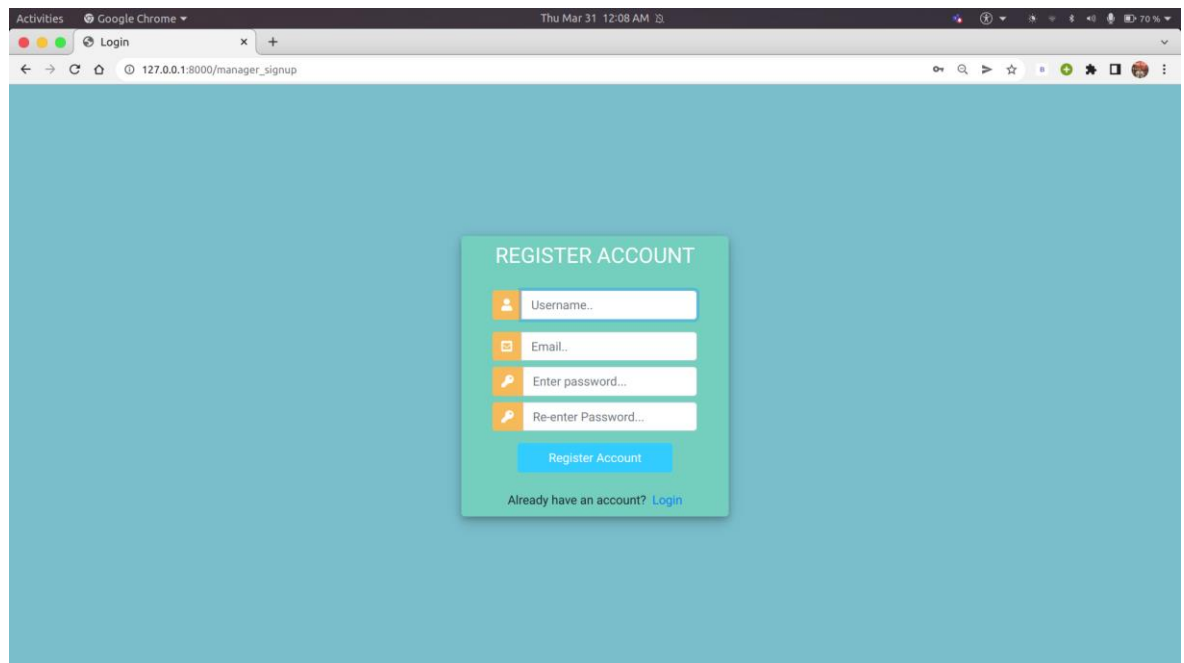
register()

Input = (Name, User name, Password)

NOTE: The scenarios given below are for the case, when the user has filled all the asked details. If not, an error message will be shown and button to add user will not be activated. Test Scenarios:

Case I: If the entered username does not exist in the database

- Input: (Kirubaraj, 123456, asdfghjkl)
- Output: User Created Successfully



The screenshot shows a web browser window with the title 'Login'. The address bar displays '127.0.0.1:8000/manager_signup'. The main content area has a light blue background. In the center, there is a white rectangular form titled 'REGISTER ACCOUNT'. The form contains four input fields, each with an orange icon on the left: a person icon for 'Username..', an envelope icon for 'Email..', a key icon for 'Enter password...', and another key icon for 'Re-enter Password...'. Below these fields is a blue button labeled 'Register Account'. At the bottom of the form, it says 'Already have an account? [Login](#)'.

