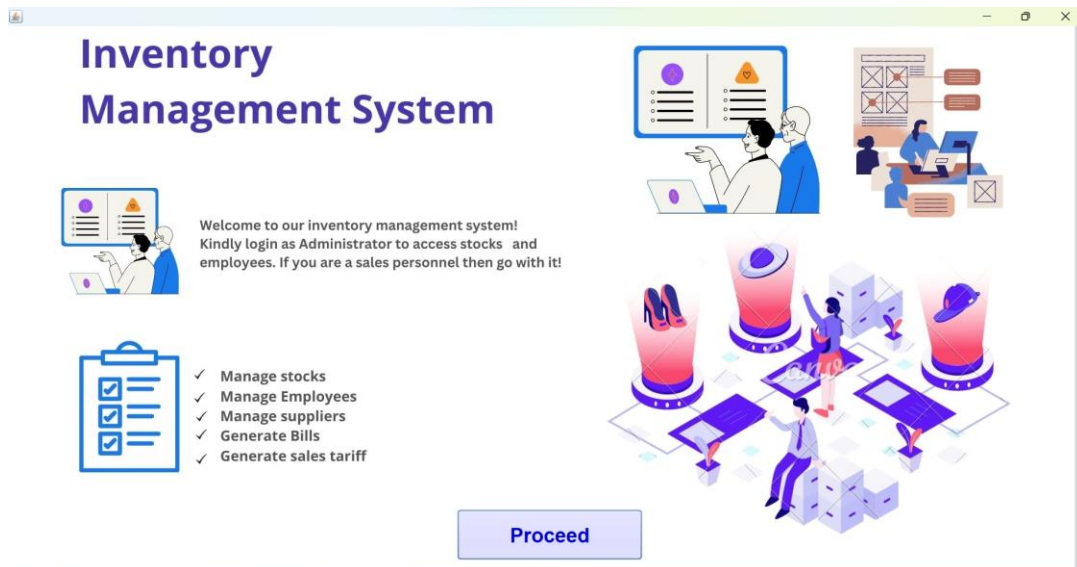
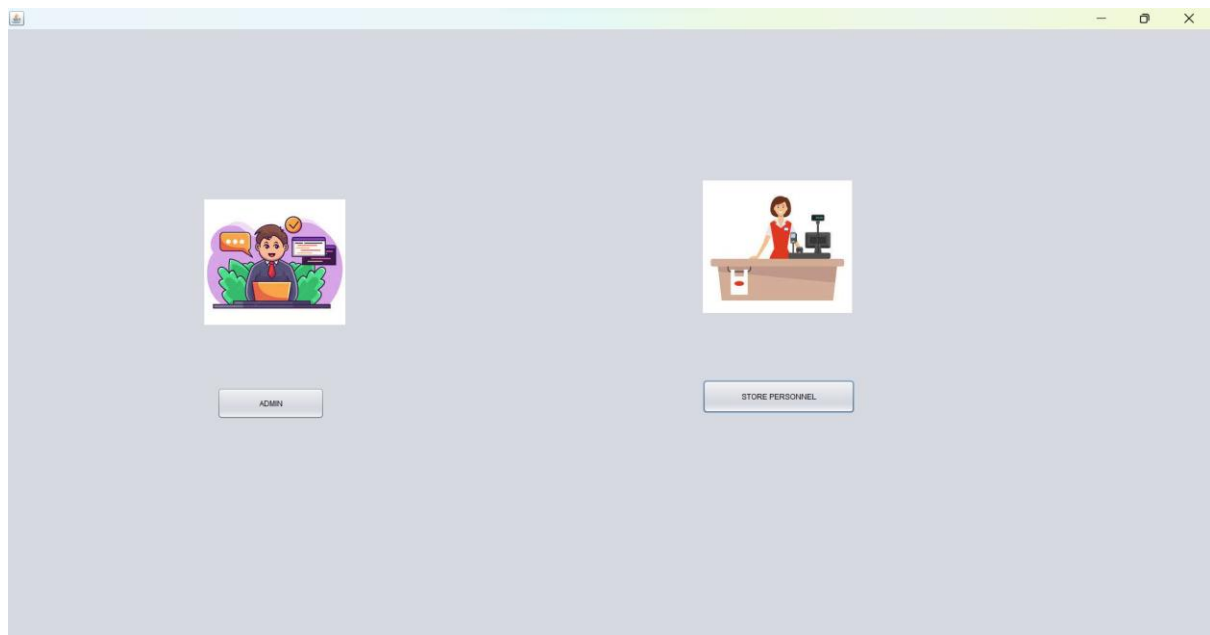


PROGRAM WALKTHROUGH

Home Page

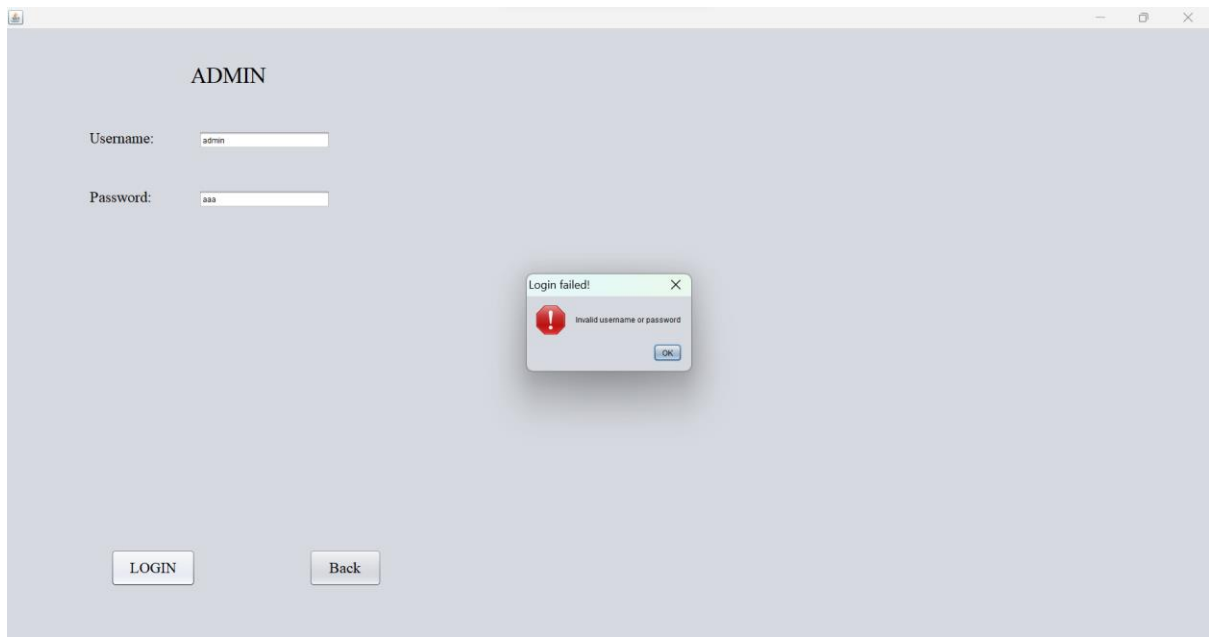


Login page

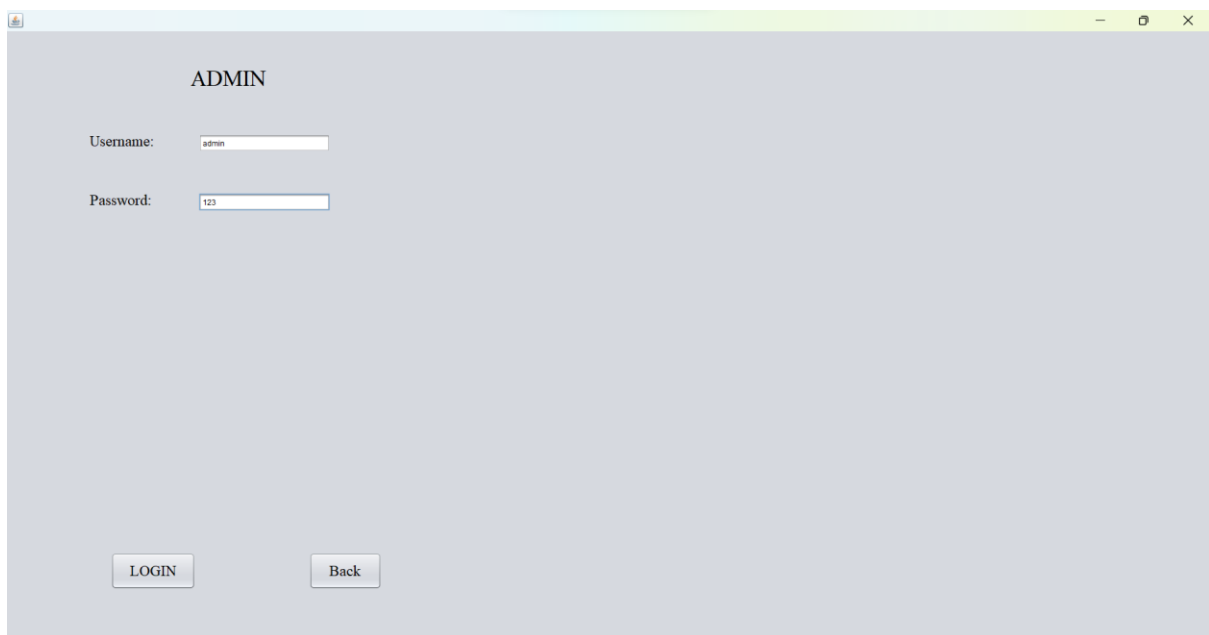


ADMIN LOGIN

Trying wrong password:



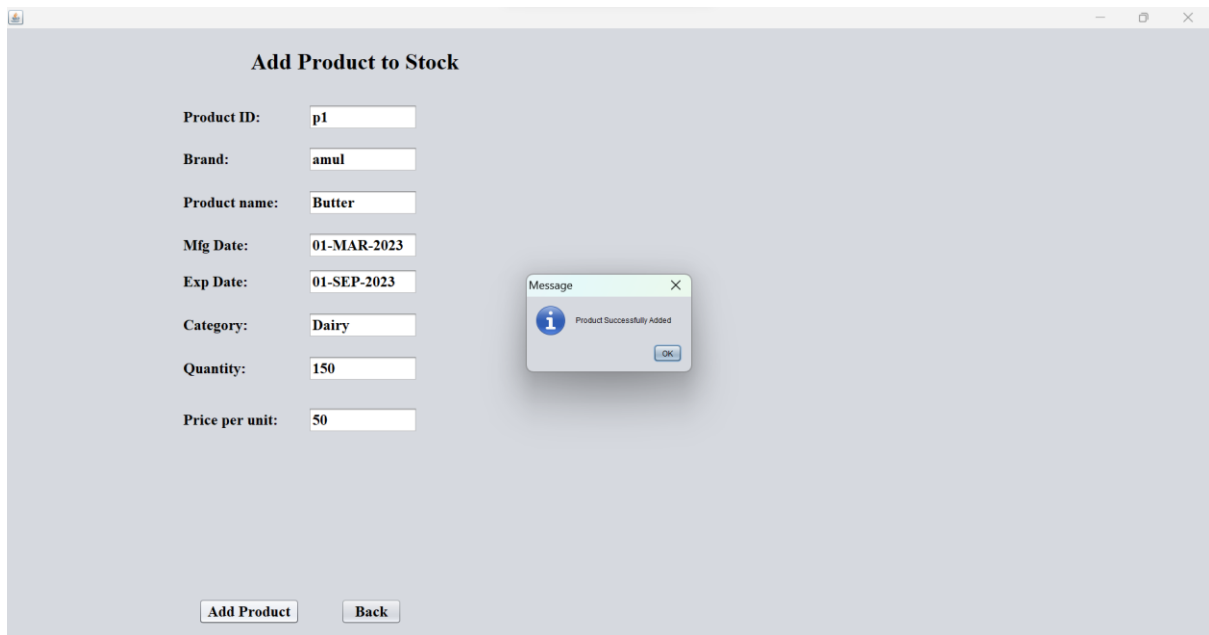
Now, giving correct password



ADMIN HOME PAGE BEING DISPLAYED:



Adding a product using 'ADD STOCK' option:



Product added in the table:

```
C:\oracle\app\oracle\prod. x + v
SQL*Plus: Release 11.2.0.2.0 Production on Mon Jun 19 22:11:15 2023
Copyright (c) 1982, 2014, Oracle. All rights reserved.

Enter user-name: system
Enter password:

Connected to:
Oracle Database 11g Express Edition Release 11.2.0.2.0 - 64bit Production

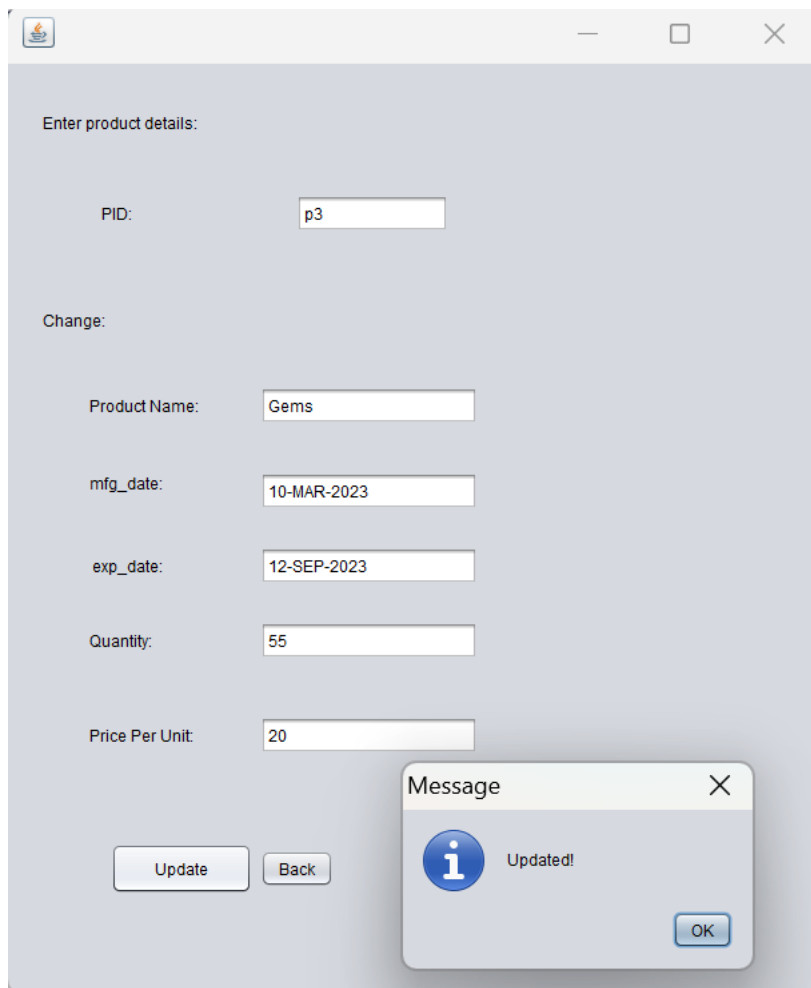
SQL> select * from products;

PID  BRAND          PNAME          MFG_DATE  EXP_DATE  CATEGORY
-----
p1   amul              Butter         01-MAR-23 01-SEP-23 Dairy
      150              50
SQL> |
```

Adding Few more products and viewing the stock:

DISPLAY								Back	
PID	BRAND	PRODUCT NAME	MFG DATE	EXP DATE	CATEGORY	QUANTITY	PRICE PER UNIT		
p1	amul	Butter	2023-03-01	2023-09-01	Dairy	150	50		
p2	amul	Cheese	2023-03-01	2023-09-01	Dairy	150	100		
p3	Cadbury	Silk	2023-03-01	2023-09-01	Choco	50	70		

Updating a product:



The image shows a web application window titled "Enter product details:". It contains several input fields for product information. Below these fields are "Update" and "Back" buttons. A modal message box is overlaid on the bottom right, displaying an information icon and the text "Updated!".

Enter product details:

PID:

Change:

Product Name:


mfg_date:

exp_date:

Quantity:

Price Per Unit:

Message

 Updated!

Removing a product:

REMOVE PRODUCT

Enter the Product ID to remove from the stock:

p2

REMOVE

Back

Message

Product Successfully Removed

OK

Viewing stock after above updations:

DISPLAY

Back

PID	BRAND	PRODUCT NAME	MFG DATE	EXP DATE	CATEGORY	QUANTITY	PRICE PER UNIT
p1	amul	Butter	2023-03-01	2023-09-01	Dairy	150	50
p3	Cadbury	Gems	2023-03-10	2023-09-12	Choco	55	20

Similarly adding and Viewing Suppliers:

Click to Display

Back

SUPPLIERS

Supplier ID	Supplier Name	Phone	Door No	Street	Area	City	State
sp1	Kanna	9800018765	10	Main St	Downing	Chennai	TamilNadu
sp2	Rajesh	9890876543	23	Cross St	TNagar	Chennai	TamilNadu
sp3	Sanjana	9890789765	45	Not St	Broadway	Chennai	TamilNadu

Click to display Employees

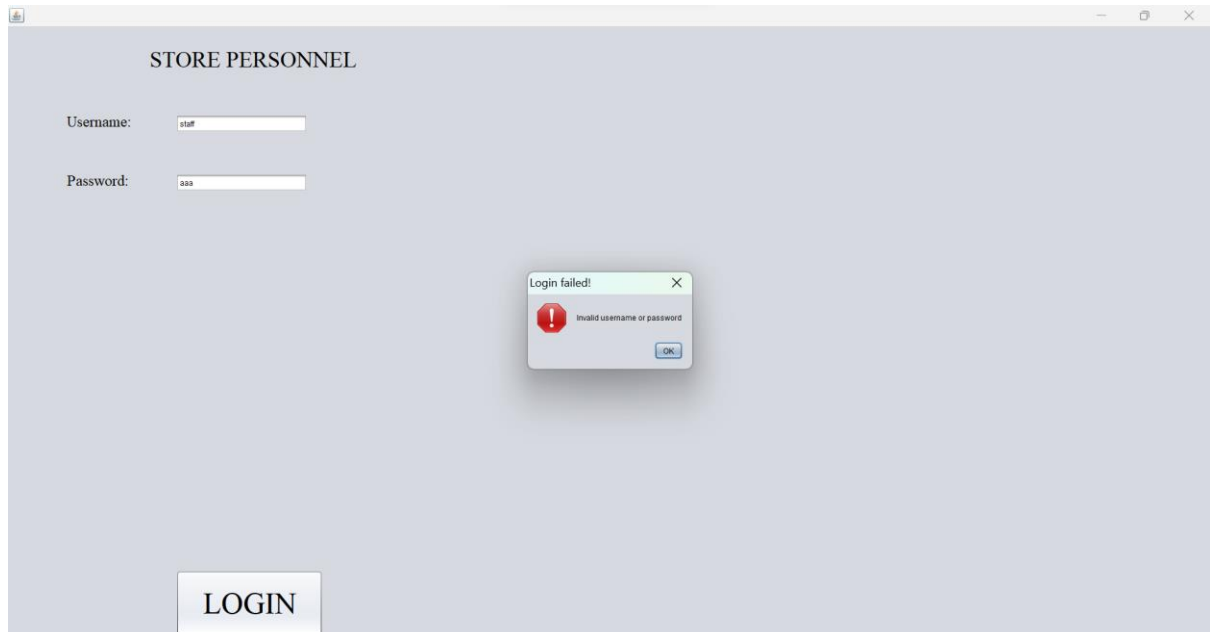
Back

EID	STID	FName	LName	Ph No	Door No	Street	Area	City	State
e2	st1	Virat	Kohli	0987654321	54G	Sunflower	Central	Delhi	Delhi
e1	st1	Mahi	Dhoni	9876543210	53G	Jasmine	Central	Ranchi	Jharkand

Admin Options over-----

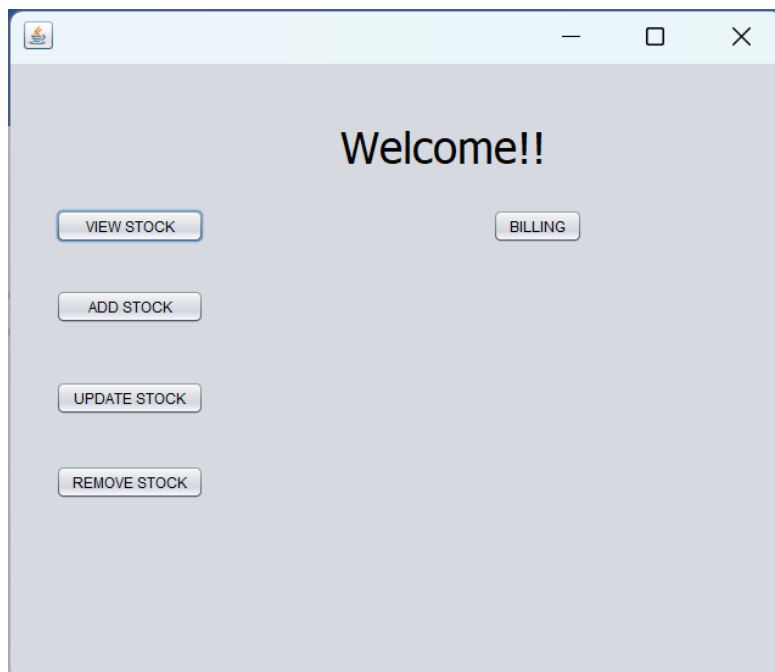
Going to Staff Personnel login

Password validation:



Now, entering correct password:

Staff Home Page:



The stock manipulation options are similar to admins

Proceeding to Billing:

Billing page:

The screenshot shows a window titled "Purchase" with a standard Windows-style title bar (minimize, maximize, close buttons). In the top right corner, there is a "Back" button. The main area is divided into two columns. The left column contains a vertical stack of input fields with labels: "Order Id:" (containing "390"), "Emp ID:", "Enter Customer ID:", "Bill date", "Product ID", "Product Name", "Quantity", "Price Per Unit:", a "Discount 10%" checkbox (unchecked), a "Calculate Total Price" button, and "Total Price:". The right column has a "Search Product By Id" label above an input field containing "p1", followed by a "Search" button. Below the search button is a table with headers "item_id", "item_name", "quantity", and "price", but it is currently empty. Further down is a "CART" section with a table having headers "OID", "PID", "Pname", "Quantity", "Unit Price", and "Total", also empty. At the bottom of the window, there are two buttons: "ADD" and "Purchase and Generate Bill".

Note: Order ID is being generated by the program for each new order

Searching by product ID:

This screenshot shows the same "Purchase" window, but with search results displayed. The "Search Product By Id" input field now contains "p1". The table below the search button now has one row of data: "p1" in the "item_id" column, "Butter" in the "item_name" column, "150" in the "quantity" column, and "50" in the "price" column. The "CART" table remains empty. All other elements, including the input fields on the left and the buttons at the bottom, are identical to the previous screenshot.

Clicking on the product record fills in the product ID, product name and unit price fields automatically:

The screenshot shows a web application window titled "Purchase". On the left, there are input fields for "Order Id:" (390), "Emp ID:" (e1), "Enter Customer ID:" (c1), "Bill date" (18-JUN-2023), "Product ID" (p1), "Product Name" (Butter), "Quantity" (empty), "Price Per Unit:" (50), a "Discount 10%" checkbox (unchecked), a "Calculate Total Price" button, and a "Total Price:" field (empty). On the right, there is a "Search Product By Id" field (p1) with a "Search" button below it. Below the search button is a table with columns "Item_Id", "Item_name", "quantity", and "price". The first row contains "p1", "Butter", "150", and "50". Below this table is a "CART" section with a table having columns "OID", "PID", "Pname", "Quantity", "Unit Price", and "Total". At the bottom of the window are two buttons: "ADD" and "Purchase and Generate Bill". A "Back" button is in the top right corner.

Item_Id	Item_name	quantity	price
p1	Butter	150	50

OID	PID	Pname	Quantity	Unit Price	Total
-----	-----	-------	----------	------------	-------

Entering Quantity and calculating total price:

This screenshot shows the same "Purchase" application window, but with updates. The "Quantity" field now contains the value "3". The "Total Price:" field now displays "150". The "Calculate Total Price" button is highlighted with a blue border. All other fields and the search results table remain the same as in the previous screenshot.

Item_Id	Item_name	quantity	price
p1	Butter	150	50

OID	PID	Pname	Quantity	Unit Price	Total
-----	-----	-------	----------	------------	-------

Clicking on ADD : (product gets added to cart)

The 'Purchase' application window displays a form for entering purchase details. On the left, fields include Order Id (390), Emp ID (e1), Enter Customer ID (c1), Bill date (18-JUN-2023), Product ID (p1), Product Name (Butter), Quantity (3), Price Per Unit (50), and Total Price (150). A 'Calculate Total Price' button is present. On the right, a 'Search Product By Id' field contains 'p3', with a 'Search' button below it. A table lists products: p1 (Butter, 150, 50) and p3 (Gems, 55, 20). Below this is a 'CART' table showing the current item: 390, p1, Butter, 3, 50, 150. At the bottom, an 'ADD' button is highlighted, and a 'Purchase and Generate Bill' button is also visible.

Item_Id	Item_Name	Quantity	Price
p1	Butter	150	50
p3	Gems	55	20

OID	PID	Prname	Quantity	Unit Price	Total
390	p1	Butter	3	50	150

Similarly entering the next Product:

The 'Purchase' application window shows the same form as before, but with updated values. The Product ID is now p3, Product Name is Gems, Quantity is 4, Price Per Unit is 20, and Total Price is 80. The 'Search' table now highlights p3 (Gems, 55, 20). The 'CART' table has two entries: 390, p1, Butter, 3, 50, 150 and 390, p3, Gems, 4, 20, 80. The 'ADD' button remains highlighted.

Item_Id	Item_Name	Quantity	Price
p1	Butter	150	50
p3	Gems	55	20

OID	PID	Prname	Quantity	Unit Price	Total
390	p1	Butter	3	50	150
390	p3	Gems	4	20	80

Clicking Purchase and Generate Bill:

A 'Message' dialog box with a green header and a close button (X). It contains an information icon (i) and the text: 'Successfully purchased! Your Order ID 390'. An 'OK' button is at the bottom right.

Order ID must be noted down

Clicking 'OK', staff would be directed to the Bill page:

Enter order ID and click 'Generate Invoice':

HOME Bill No: Date:

Enter your Order ID: 390

OID	PID	CID	EID	price	quantity	total	Bill date
-----	-----	-----	-----	-------	----------	-------	-----------

Total Amount:

Generate Invoice

The bill is displayed:

HOME Bill No: Date:

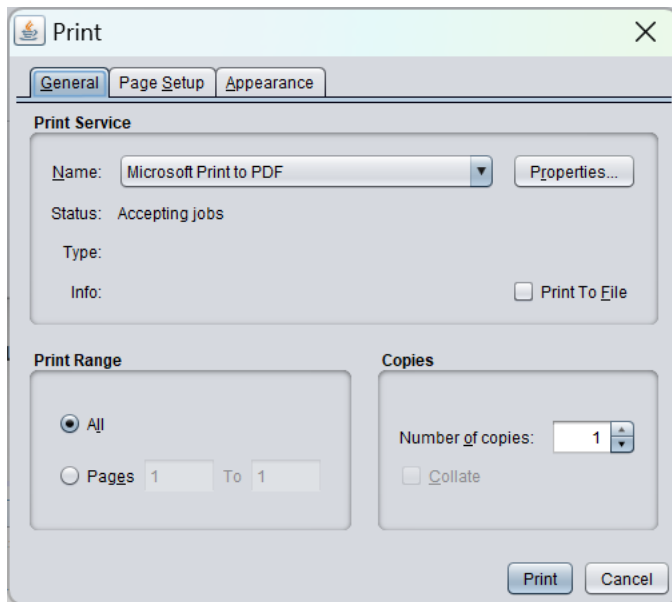
Enter your Order ID: 390

390	p1	c1	e1	50	3	150	2023-06-18 00:00:00
390	p3	c1	e1	20	4	80	2023-06-18 00:00:00

Total Amount: Rs. 230

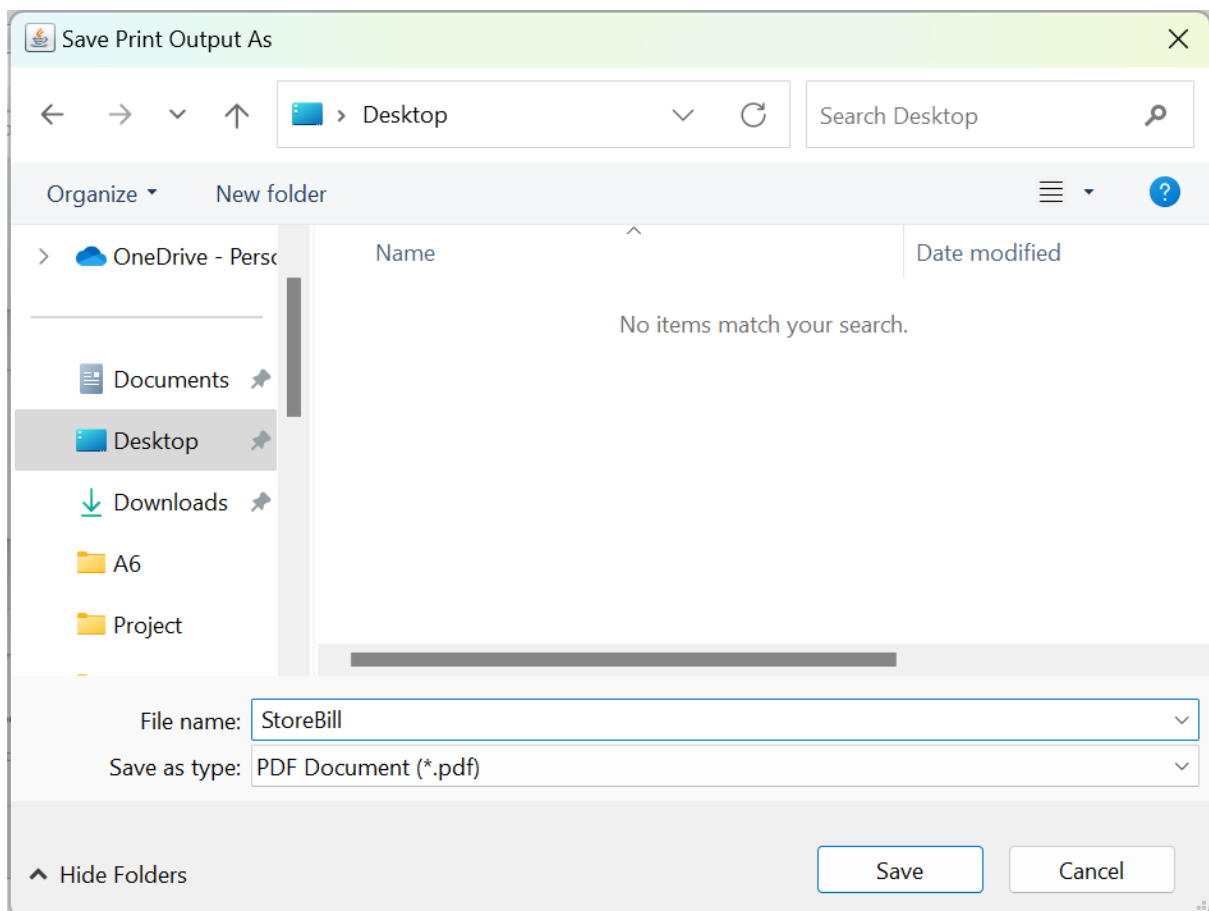
Generate Invoice

Also another window opens to select the destination where the invoice is to be saved:



Selecting Microsoft Print to PDF and clicking Print:

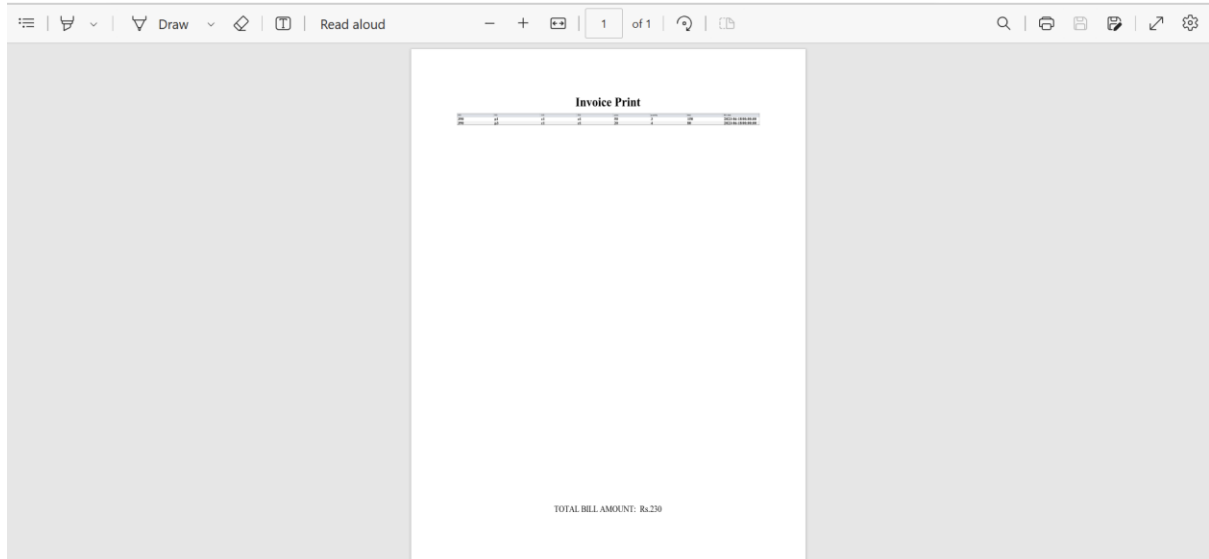
Selecting the location:



Click 'Save'

Going to the location and opening the bill:

The Invoice is generated as a pdf:



Learning Outcome:

- To learn to create a java application for a real world problem such as inventory management
- To learn to create neat, user-friendly forms for collection and display of data
- To establish connection between the application and the database.