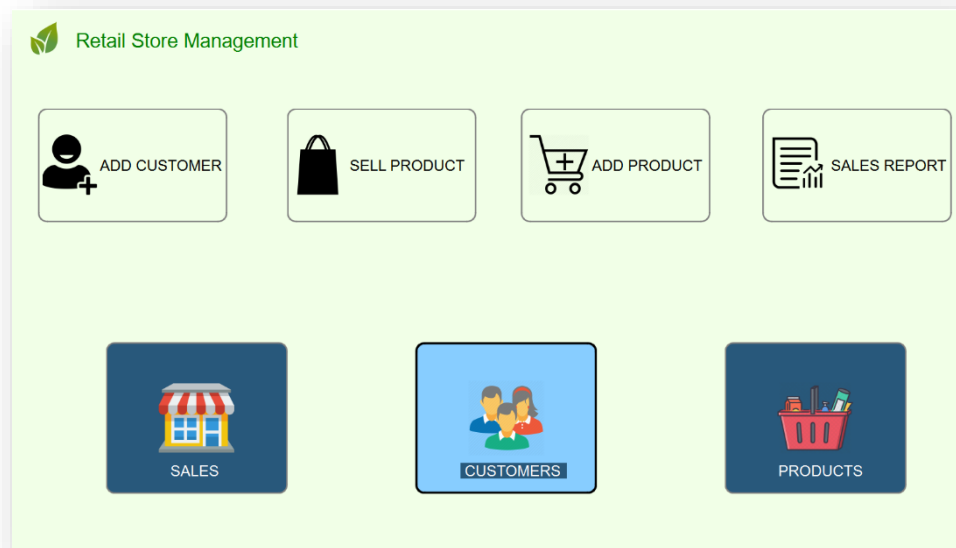


Testing and Deployment

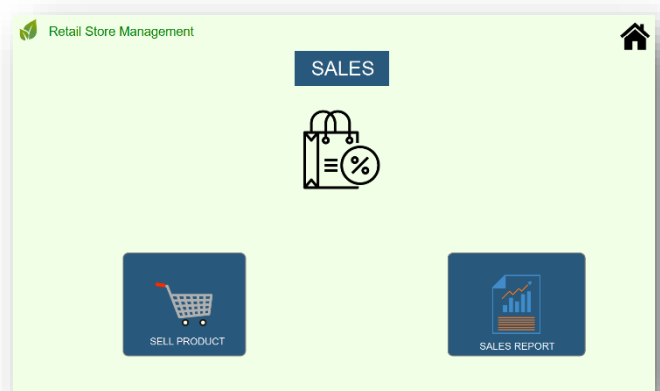
Functionalities Integrated

The basic functionalities required for any retail store to be operated are been implemented in this Desktop application which are as follows –

1. Starting with the Dashboard Page where customer get the access to all the key functionalities of this application.



2. Now we have three different sections which have their own sub functionality and that are Customer section, Production section and Sales section.





3. Jumping towards Customers section here we can add customers to our system than manages their information by updating or removing and also, we can see the list of all them in one go.

The 'ADD CUSTOMER' form has a header with a person icon and the title 'ADD CUSTOMER'. It contains four input fields: 'Customer Name', 'Contact No.' (with a '+91' prefix), 'Customer Address', and 'Customer Remarks'. At the bottom are 'CANCEL' and 'SAVE' buttons.The 'MANAGE CUSTOMER' form has a header with a person icon and the title 'MANAGE CUSTOMER'. It features a dropdown menu for 'Enter Customer Contact' with 'Naman Sharma' selected and a 'SELECT' button. Below are input fields for 'Customer Name' (filled with 'Naman Sharma'), 'Contact No.' (filled with '9174736520'), 'Customer Address' (filled with 'Ujjain'), and 'Customer Remarks' (filled with 'Good Customer'). To the right are 'UPDATE CUSTOMER' and 'REMOVE CUSTOMER' buttons. At the bottom are 'CANCEL' and 'RESET' buttons.


Retail Store Management 🏠


CUSTOMER LIST


	CUSTOMER_NAME	CUSTOMER_CONTACT	CUSTOMER_ADDRESS
1	Naman Sharma	9174736520	Ujjain
2	Nipun Patel	9754522010	Vaishali Nagar, Ujjain
3	Jeel Khatiwala	8989898989	Surat

CUSTOMERS


4. In Products section we will be starting with adding up the products than updating the information like quantity, price, etc.

 ADD PRODUCTS


 Product Name

 Quantity

Pcs. ▾


 Unit Price

Rs.

 Date of Expiry

CANCEL

SAVE

 MANAGE PRODUCTS

Enter Product Name SELECT

Product Name

UPDATE PRODUCT

Product Quantity

REMOVE PRODUCT

Product Price

Date of Expiry

CANCEL

RESET

5. Also, we have Stock status in which the storekeeper can track his products status like near-expiry or the availability of them.

Retail Store Management

STOCK STATUS

NEAR EXPIRY

	PRODUCT_NAME	DAYS_REMAINING
1	Agil 2.5%	-28.0859
2	Profex Super	-50.0859
3	Killguard	-159.086
4	Carmel	-177.086
5	Wilicon	-198.086
6	Wilbond	-543.086
7	Odyssey	-1127.09

AVAILABILITY

	PRODUCT_NAME	PRODUCT_QUANTITY
1	Wilicon	150
2	Killguard	63
3	Agil 2.5%	648
4	Profex Super	130
5	Carmel	18
6	Odyssey	32
7	Wilbond	150

6. Now we have Sales section in which the products are actually being sold to the customer and also the sales can be monitored in the sales report section.

Retail Store Management

Customer Name:
☐
Contact No. +91

	Products	Quantity	Product Price	Amount
SELECT	Agil 2.5%	6	569	3414.00
SELECT	Profex Super	12	690	8280.00
SELECT	Carmel	8	2600	20800.00

Total Amount -


CANCEL

CONFIRM

Retail Store Management

SALES REPORT

TOTAL SALES AMOUNT



Rs.

SALES RECORD

	ORDER_DATE	ORDER_AMOUNT
1	2021-12-03 20:58:33	2200
2	2021-12-03 20:59:16	660
3	2021-12-03 20:59:28	660
4	2021-12-03 21:00:19	12000
5	2021-12-03 21:01:05	1707
6	2021-12-03 21:02:17	4840
7	2021-12-03 21:20:07	1707
8	2021-12-03 21:54:31	3414


Application Testing

To achieve a polished and robust submission, testing should be the integral part of any of the deployment. Here we are going to test our application for different scenarios and different test cases.


Black Box Testing


In the black box testing we will be verifying our input field text validations.


1. In add customer section we have an input field for customer name we have tested for two possible cases.


 ADD CUSTOMER

Invalid Name, must be Alphabet only!!

 Customer Name

 Contact No.

 Customer Address

 Customer Remarks

CANCEL

SAVE

The screenshot shows the 'ADD CUSTOMER' form with a light green background. At the top, there is a user icon and a blue button labeled 'ADD CUSTOMER'. Below this, a red-bordered box contains the error message: 'Invalid Name, must be Alphabet only!!'. The form fields are as follows:

Field	Value
Customer Name	456
Contact No.	+91 7994519623
Customer Address	Ujjain city
Customer Remarks	No remarks

At the bottom, there are two blue buttons: 'CANCEL' on the left and 'SAVE' on the right.

2. Now we will test for contact field for different inputs.

The screenshot shows the 'ADD CUSTOMER' form with a light green background. At the top, there is a user icon and a blue button labeled 'ADD CUSTOMER'. Below this, a red-bordered box contains the error message: 'Contact No. must be 10 digits!!'. The form fields are as follows:

Field	Value
Customer Name	Test User
Contact No.	+91 799
Customer Address	Ujjain city
Customer Remarks	No remarks

At the bottom, there are two blue buttons: 'CANCEL' on the left and 'SAVE' on the right.


3. Checking the validation for the customer who already exists in the database.

The screenshot shows the 'ADD CUSTOMER' form with a light green background. At the top, there is a user icon and a blue button labeled 'ADD CUSTOMER'. Below this, a red-bordered box contains the error message: 'Customer Already Exist!!'. The form fields are as follows:


Field	Value
Customer Name	Naman Sharma
Contact No.	+91 9174736520
Customer Address	Ujjain City
Customer Remarks	No Remarks


At the bottom, there are two blue buttons: 'CANCEL' on the left and 'SAVE' on the right.

4. Now in Products section we will test for input fields like quantity, date and price.


 **ADD PRODUCTS**

Invalid Price, must be Numbers


 Product Name

 Quantity

Box ▾


 Unit Price

Rs.


 Date of Expiry


CANCEL

SAVE


 **ADD PRODUCTS**

Invalid Quantity, must be Numbers


 Product Name

 Quantity

Pcs. ▾


 Unit Price

Rs.


 Date of Expiry


CANCEL

SAVE


 **ADD PRODUCTS**

Invalid Date, check again!


 Product Name

 Quantity

Box ▾

 Unit Price

Rs.

 Date of Expiry

CANCEL

SAVE

5. Also, we tested on sell product page by putting it the null quantity inside it.

Products	Quantity	Product Price	Amount
Willcon	0	690	0.00
			0.00
			0.00

Invalid Quantity!!

Total Amount - Rs. 0.00

CANCEL CONFIRM

White Box Testing

In white box testing we have checked where the if-else condition scenario was present.

So whenever our operation get successful we had Dialog box as an output to the user for confirmation and system status.

