



Daffodil
International
University

Project Report
Database Management System Lab

Course Code: CSE-312

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Project: Store Management System

Introduction:

The Project is about a store management system. Here, all information's have been stored that is need to maintain a store. I have also added history stored system, that will be observe by the admin so that there is no doubt of data loss.

Features:

There are two panels,

1. Assistant Panel:

Assistant can access the following sections:

- Customer Section.
- Product Section.
- Sell Section.
- Display Section.

2. Admin Panel:

The admin can access the following sections:

- All sections that are accessed by assistant panel.
- History of all section (insertion, updating, deletion histories).

Details Description:

▪ Customer:

In this section we can add the customer details.

The query for this section is:

```
"INSERT INTO customer(c_name,c_address,c_number)
VALUES('$c_name',' $c_address',' $c_number'); "
```

▪ Product:

Here we can do the following things:

- Add products information:

The query is,

```
"INSERT INTO product(p_name,p_quantity,p_price)
VALUES('$p_name',' $p_quantity',' $p_price'); "
```

- Read Products Information:

The query is,

```
"SELECT * from product; "
```

- Edit products information:

The query is,

```
"UPDATE product SET p_name = '$p_name', p_quantity =
'$p_quantity', p_price='$p_price' WHERE p_id='$p_id';"
```

- Search products information:

Here I have used Procedure.

The query is,

```
"CALL search_product($p_id); "
```

▪ Sell:

In this section we can record all the information of selling products and the buyers.

The query is,

```
"INSERT INTO sell(product_id,customer_id,date,s_quantity)
VALUES('$product_id','$customer_id','$date',' $s_quantity');"
```

Also, after selling a product the quantity of that product will be reduced from the product table.

The query is,

```
"UPDATE product INNER JOIN sell on product.p_id= $product_id
SET product.p_quantity = product.p_quantity-$s_quantity";
```

Lastly, the total amount for the product selling will be calculated and added in Price calculation table.

The query is,

```
"INSERT INTO price_cal (cus_id,p_date,price_sum, sell_id) select
sell.customer_id, sell.date, sell.s_quantity*product.p_price, sell.s_id
from sell INNER JOIN product on product.p_id = '$product_id' and
date='$date'";
```

- **Calculate Price:**

In this section it will show the total amount for selling products searching by the sell id and date.

The query is,

"SELECT DISTINCT * FROM pricecus WHERE sell_id = '\$sell_id' and p_date='\$date'";

- **Display:**

This section will show the information of customers and the products price they have bought with the dates, product id.

The query of procedure is,

"CALL display_p(\$s_id)".

The query that has been used in procedure,

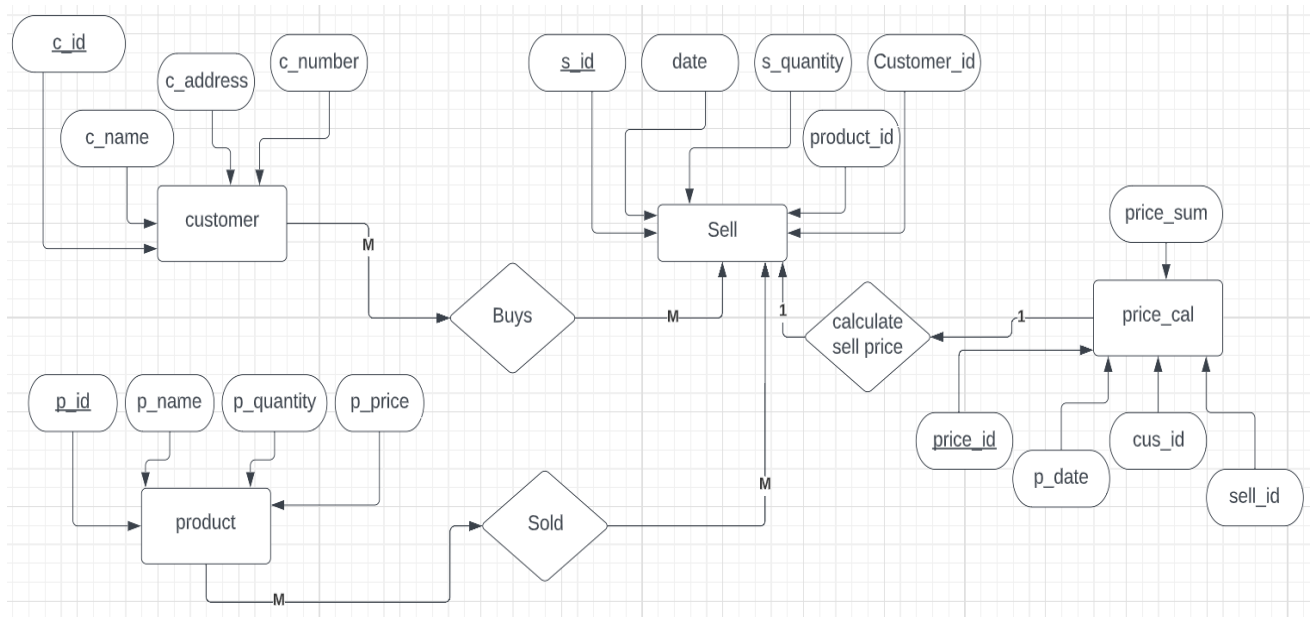
SELECT distinct customer.c_name,customer.c_id, customer.c_address,customer.c_number,price_cal.price_sum,sell.date, sell.product_id FROM customer, sell, price_cal WHERE c_id = (SELECT customer_id FROM sell WHERE sell.s_id=slliid)

Admin Panel History:

In this section I have used trigger through the admin will know the history of each section.

The sql commands for all sections are same. For example, the customer details insertion history command is: **"SELECT * from customer_trig".**

Entity Relationship Diagram:



Schema Diagram:

customer(c_id, c_name, c_address, c_number)

customer_trig(c_id, c_name, c_address, c_number, time, event)

customer_trig_del(c_id, c_name, c_address, c_number, time, event)

customer_trig_up(c_id, c_name, c_address, c_number, time, event)

product(p_id, p_name, p_quantity, p_price)

del_p(p_id, p_name, p_quantity, p_price, time, event)

update_p(p_id, p_name, p_quantity, p_price, time, event)

insert_p(p_id, p_name, p_quantity, p_price, time, event)

price_cal(price_id, cus_id, p_date, price_sum, sell_id)

sell(s_id, product_id, customer_id, date, s_quantity)

sell_insert_trig(s_id, product_id, customer_id, date, s_quantity, time, event)

login(u_id, u_name, u_pass, reg_id)

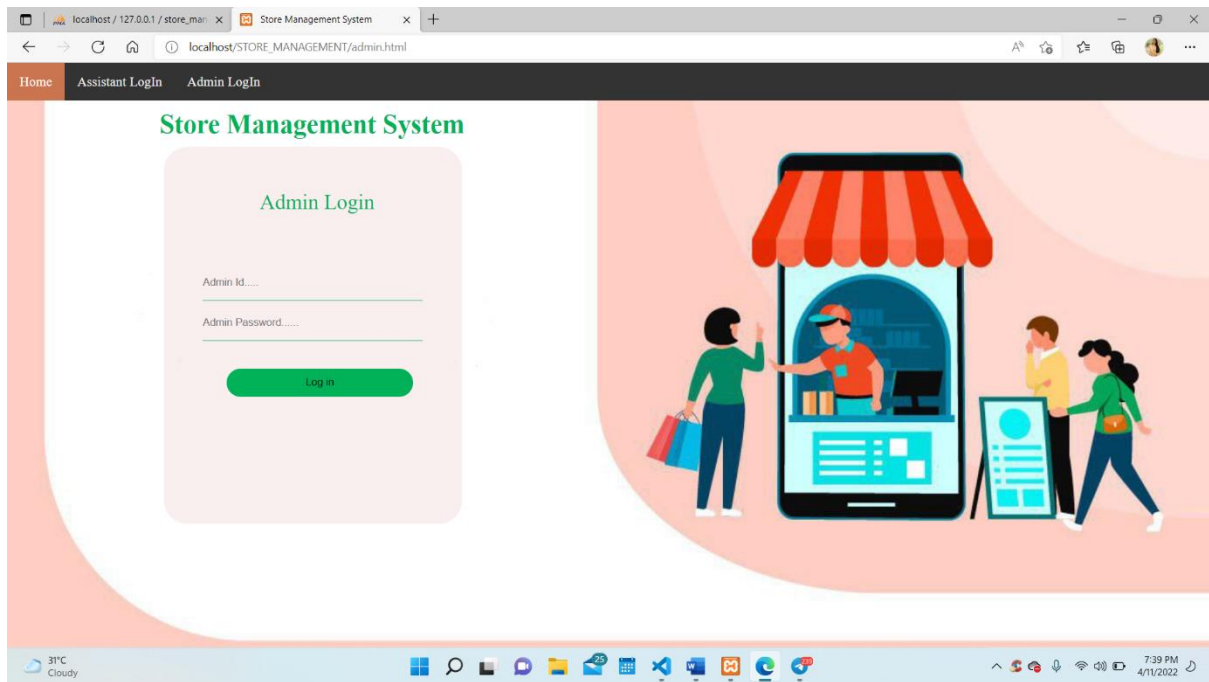
login_insert_trig(u_id, u_name, u_pass, reg_id, time, event)

register(r_id, r_name, r_address, r_dob, r_num, r_nid)

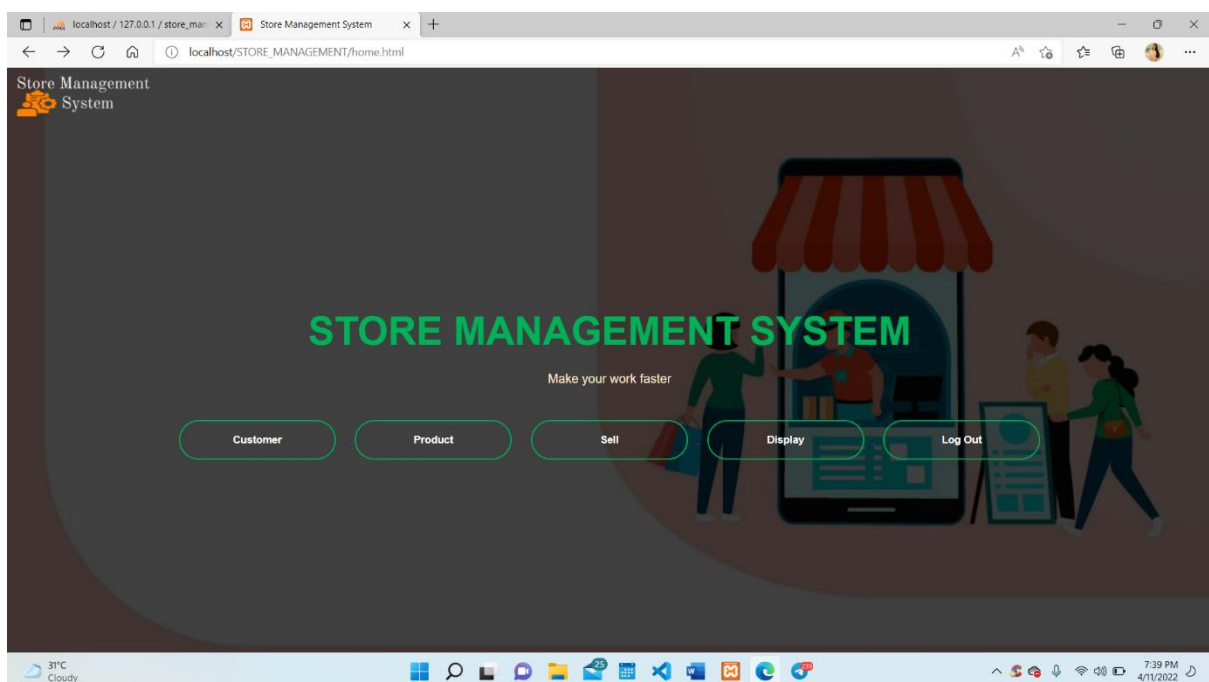
```
register_insert_trig(r_id, r_name, r_address, r_dob, r_num, r_nid, time, event)
```

Some Screenshot of Project:

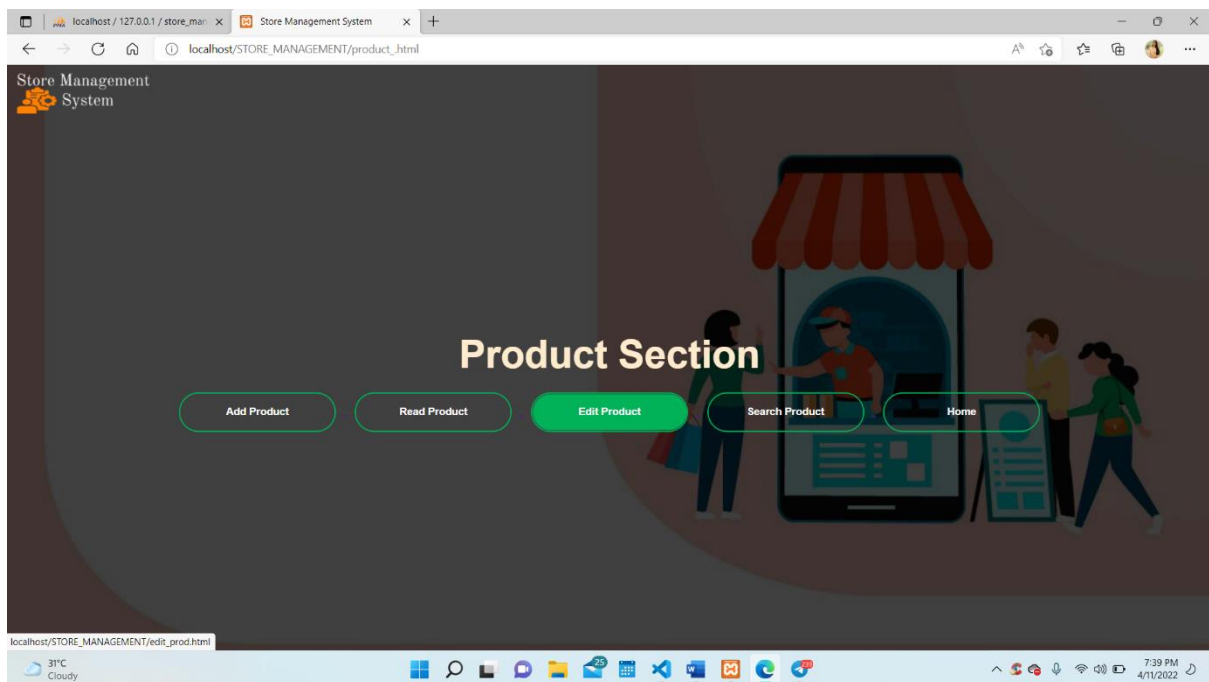
Login:



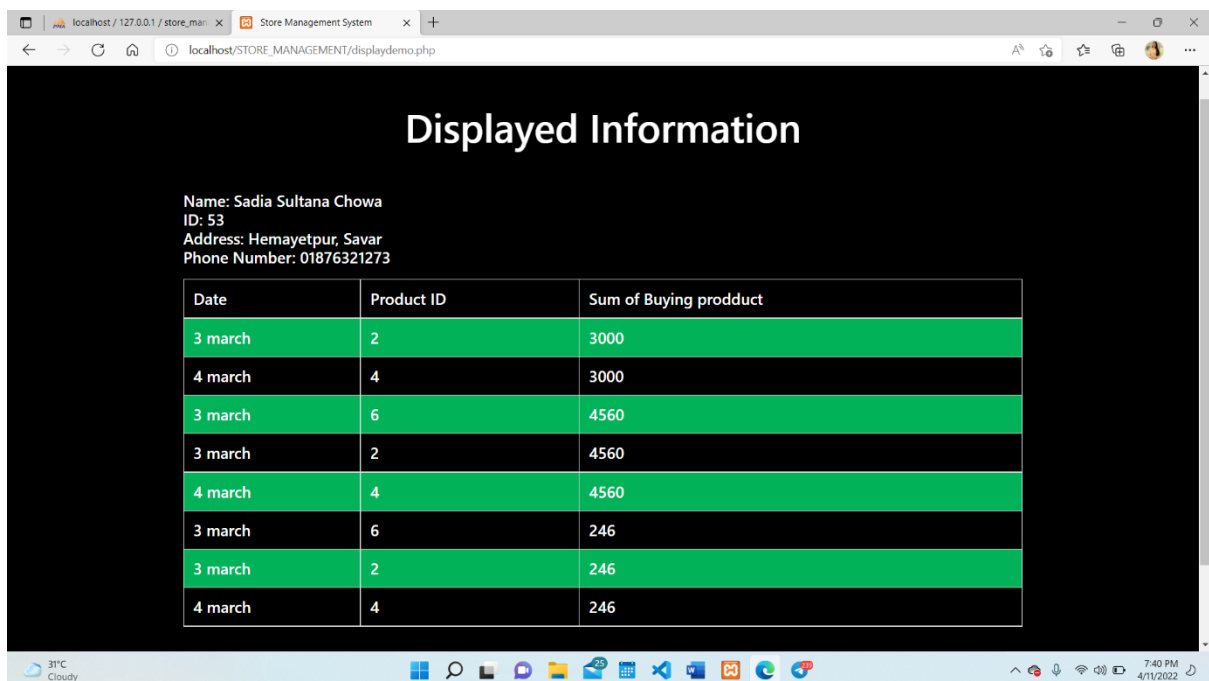
Home Page:



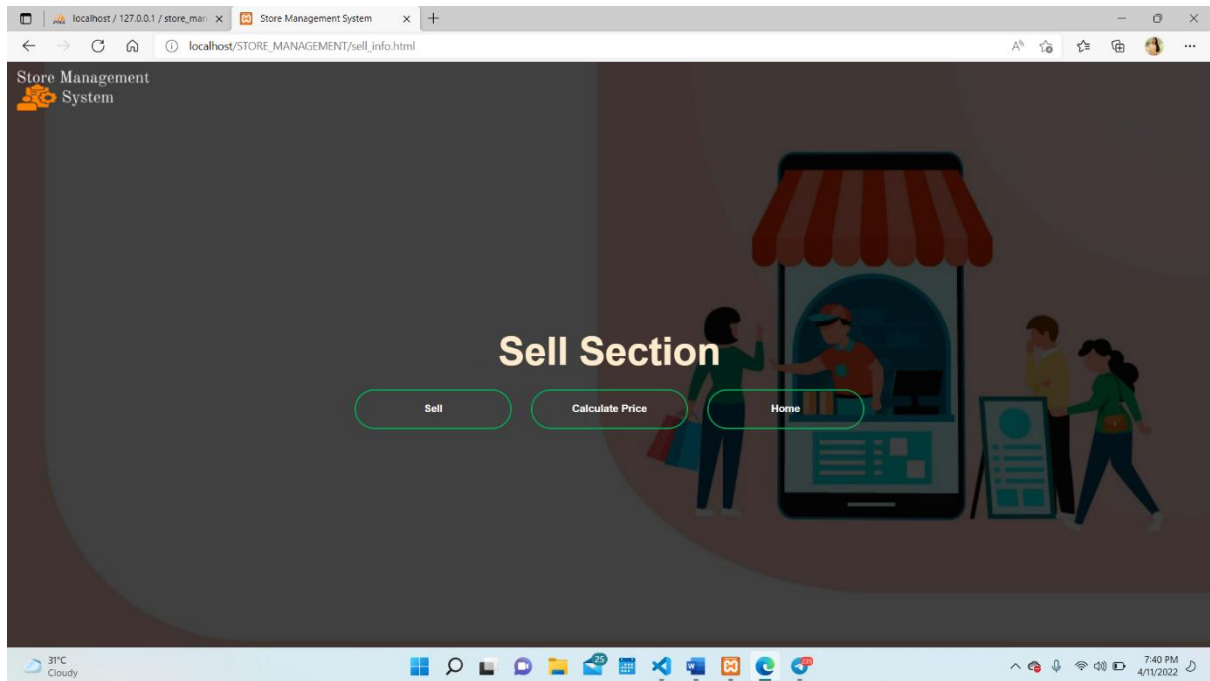
Product Section:



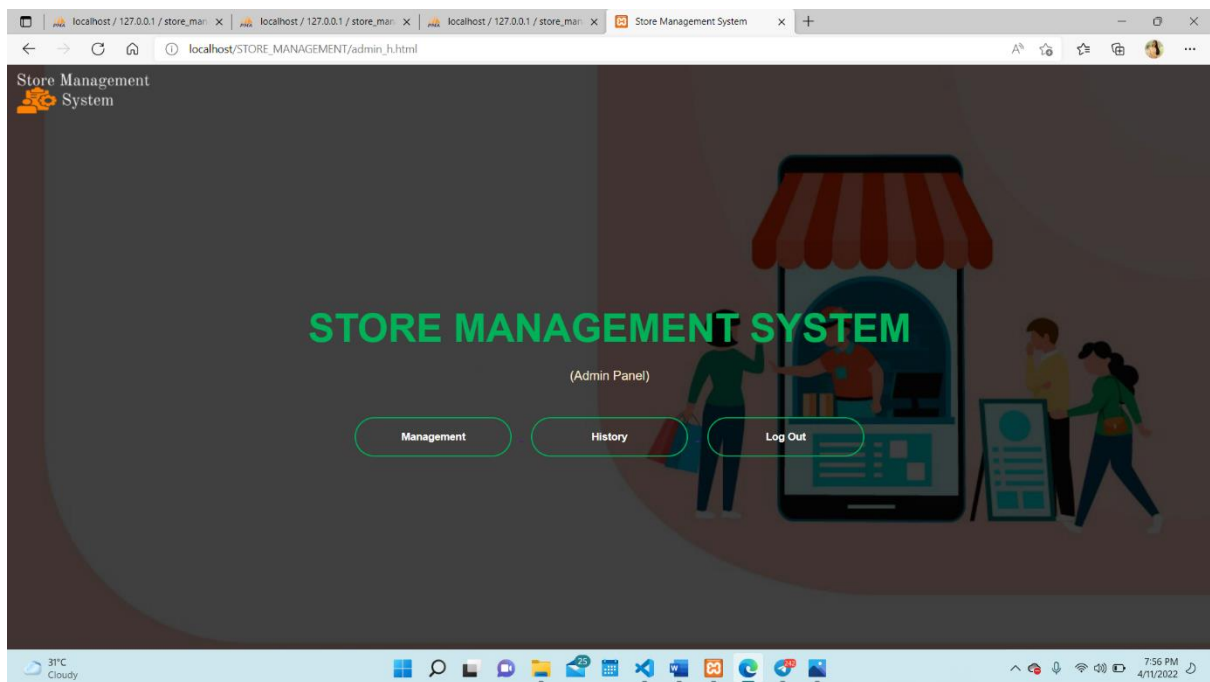
Display Information:



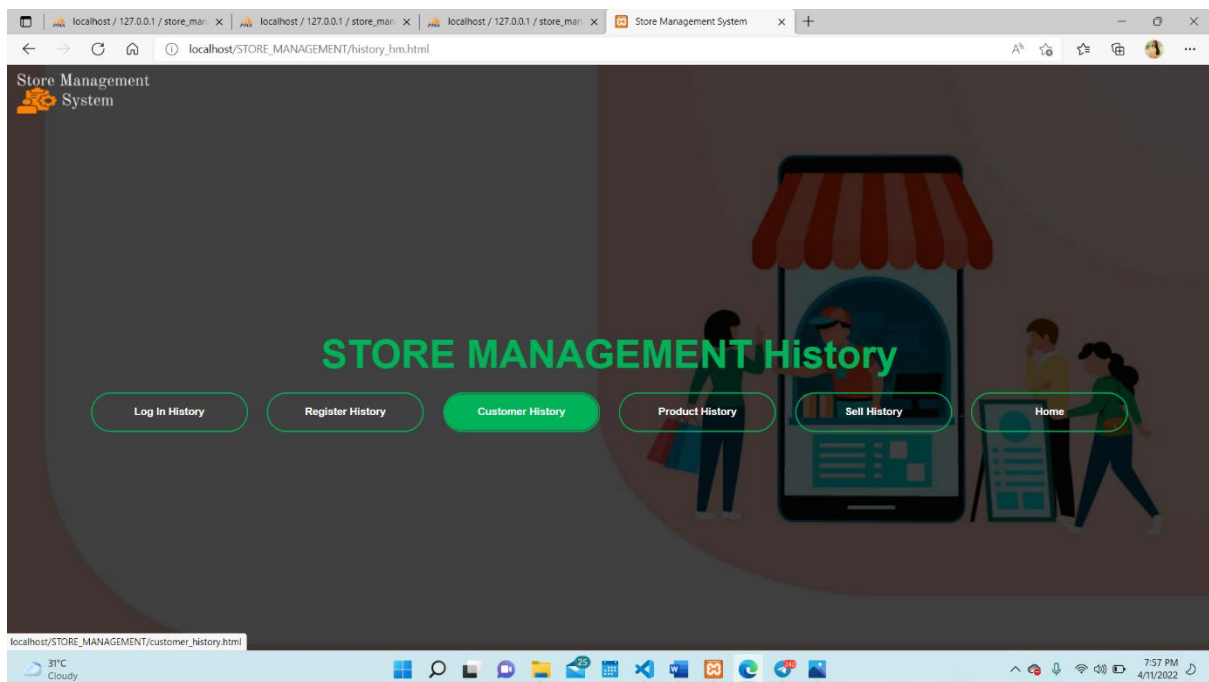
Sell Section:



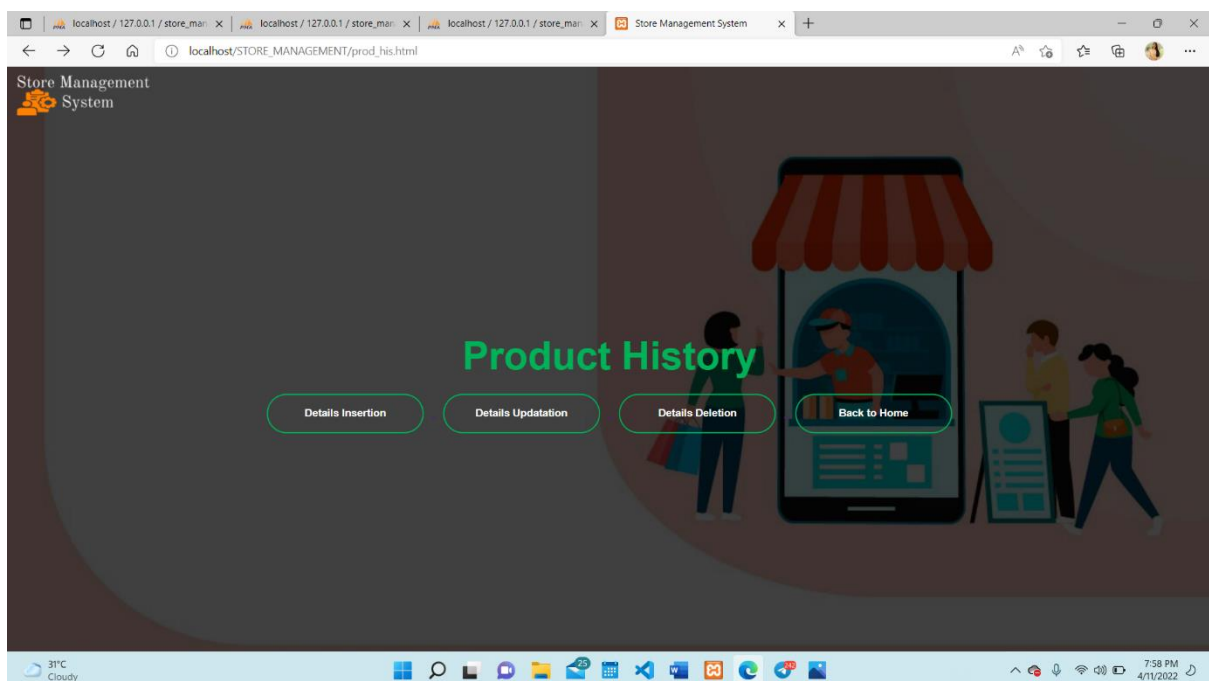
Admin panel:



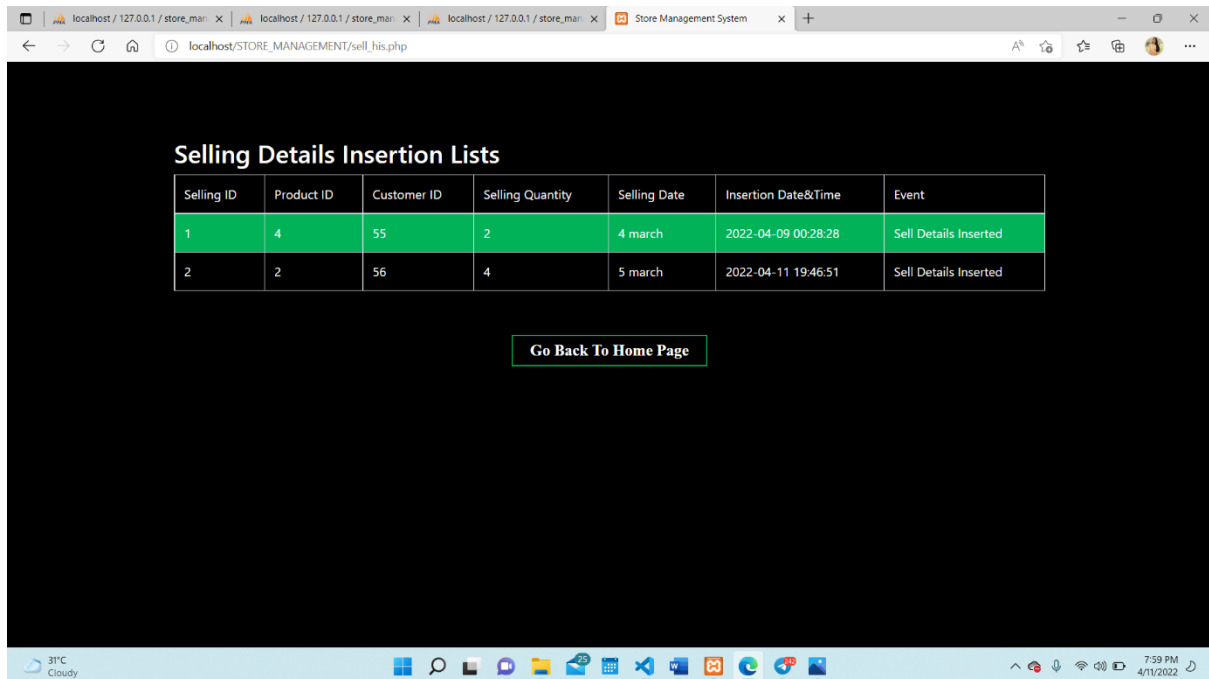
History:



Product History:



Sell History Insertion:



Selling Details Insertion Lists

Selling ID	Product ID	Customer ID	Selling Quantity	Selling Date	Insertion Date&Time	Event
1	4	55	2	4 march	2022-04-09 00:28:28	Sell Details Inserted
2	2	56	4	5 march	2022-04-11 19:46:51	Sell Details Inserted

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Conclusion:

The full overview for the project has been described and every feature works in a flow. This project in its normalized form. It helps to make the management system easier. Also, it has a good and understandable UI. So, it's is a user handy project.

Thank You...