



A Mall Management Website

that allows in proficiently handling all the mall activities in a particular mall, covering the overall basics need to have proper online interaction between a customer and the services provided in the mall, as well as pertaining to the needs of the employees working in the mall.

Problem Statement

Defining a single mall completely on an online scale is a pretty tough task at hand. Several services are provided in a mall. To list it, it is one long note. People going to a mall necessarily require to take benefits of these services without the regular need to go to the mall.

People might require information regarding availability of desired products, and may want to book them in advance. Also, keeping track of all the employees working in the mall, these tasks can relatively be made simple constructing a website.



We've created this **PNH Mall website** .

This website works to provide necessary services to the people visiting as well as the employees working in the mall.

- The website can help keep track of all the products in the mall.
- Employees are given the power to do so. The site provides login features for employees, and that helps them manage their products, the quantity, amount sold etc.
- Customers are also provided a login feature. This benefits customers to check availability of products, right from their home. They may even book in advance.
- Help keep track of vehicles in the parking lot.

These certain features highlight the website's effectiveness in managing the activities within the mall.

"Relational Table"

"Constraints Used"

Following constraints are used :

- Primary Key
- Not Null
- Unique
- Foreign Key

"Languages Used"

- ❖ PHP: Hypertext Preprocessor (earlier called Personal Home Page)
- ❖ CSS: Cascading Style Sheets
- ❖ SQL: Structured Query Language
- ❖ HTML: Hyper Text Markup Language

Examples :

```
CREATE TABLE Customer_Account (  
    Name varchar(100),  
    Username varchar(100) Primary Key,  
    Password varchar(30),  
    Mobile_No varchar(20)  
);
```

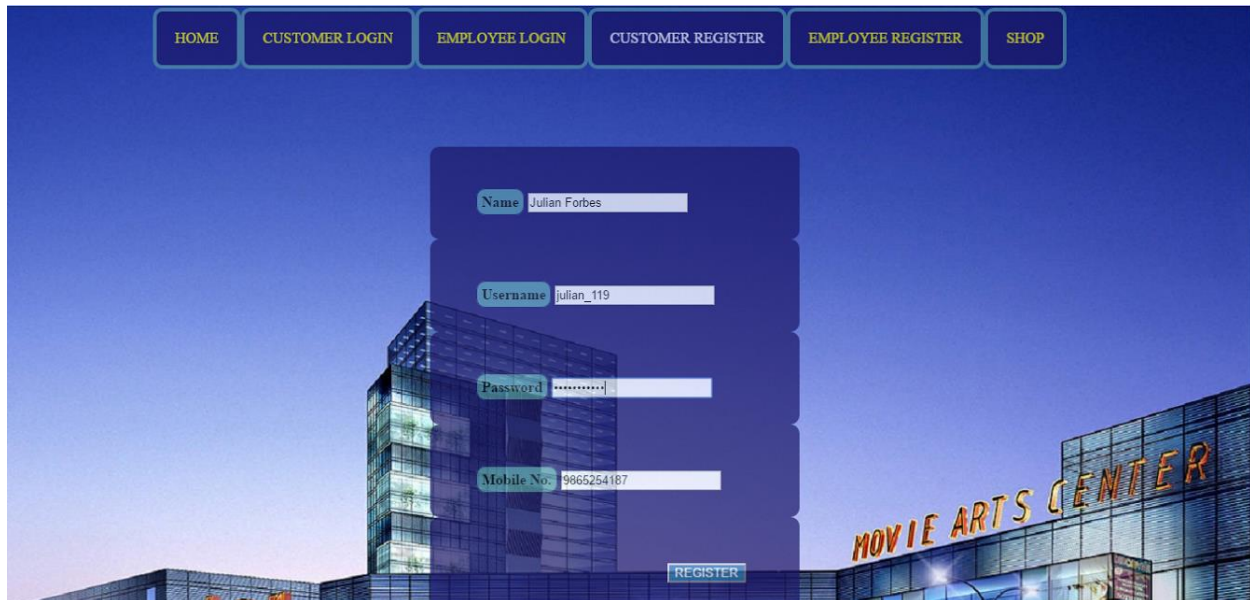
```
CREATE TABLE Product(  
    Product_ID varchar(20) Primary Key,  
    Product_Name varchar(100),  
    Type varchar(50),  
    Quantity varchar(10),  
    Shop_No varchar(10),  
    Manufacturer varchar(100),  
    Manufacturing_Date DATE,  
    Expiry_Date varchar(20),  
    Price double  
);
```

"Data Manipulation Statements"

Customer Login:

INSERT INTO Customer_Account(Name, Username,
Password,Mobile_No)

VALUES(' ".\$name." ',' ".\$username." ',' ".\$password." ',' ".\$mobile." ');

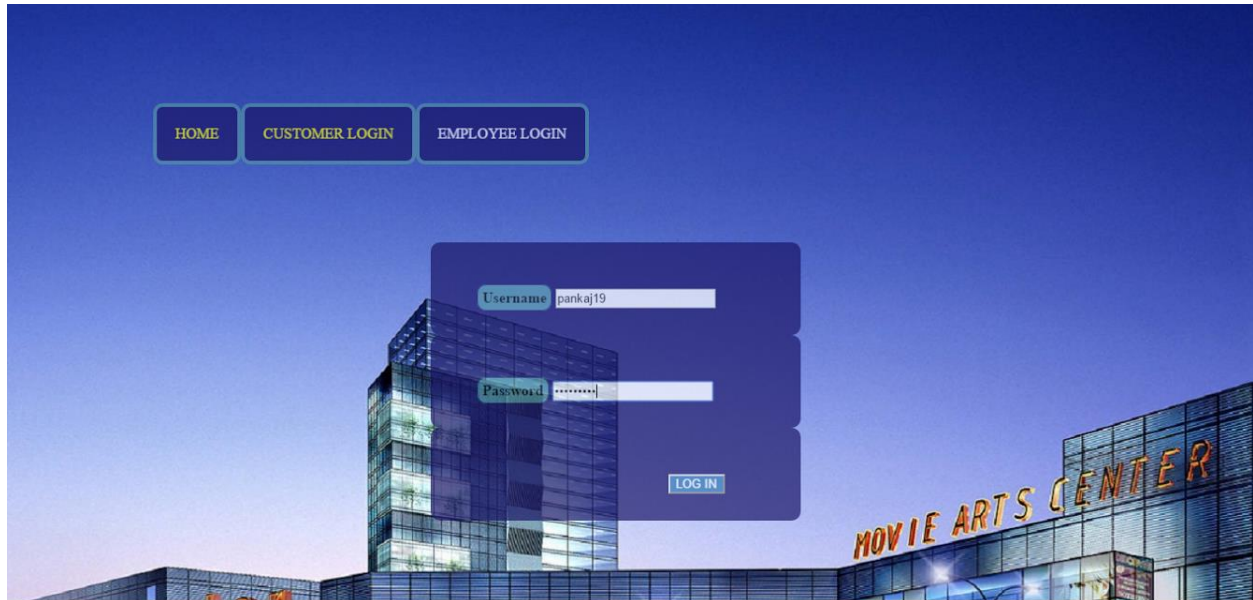


On successful registration, the user is directed to the Customer Login page.

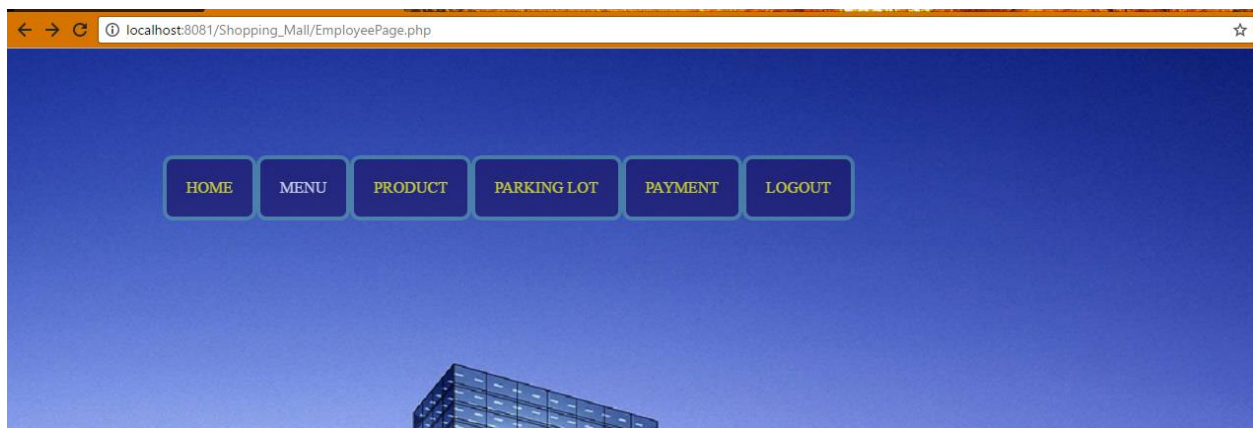
▼	Name	Username	Password	Mobile_No
» Delete	Elaric Salsman	elaric851	@elaric851	9517625410
» Delete	Himanshu Kumar	himanshu797	@himanshu18	7531059798
» Delete	Julian Forbes	julian_119	julian@119	9865254187
» Delete	Koshal Kumar	koshal95	@koshal95	9465238715
» Delete	Nihar Ranjan	nihar111	@nihar111	9012365987
» Delete	Roy Mustang	roy_mustang_001	mustang@001	8974521789

Employee Login:

```
SELECT * FROM Employee_Account WHERE Username=' ".$username." ' AND  
Password = ' ".$password." ' ;
```

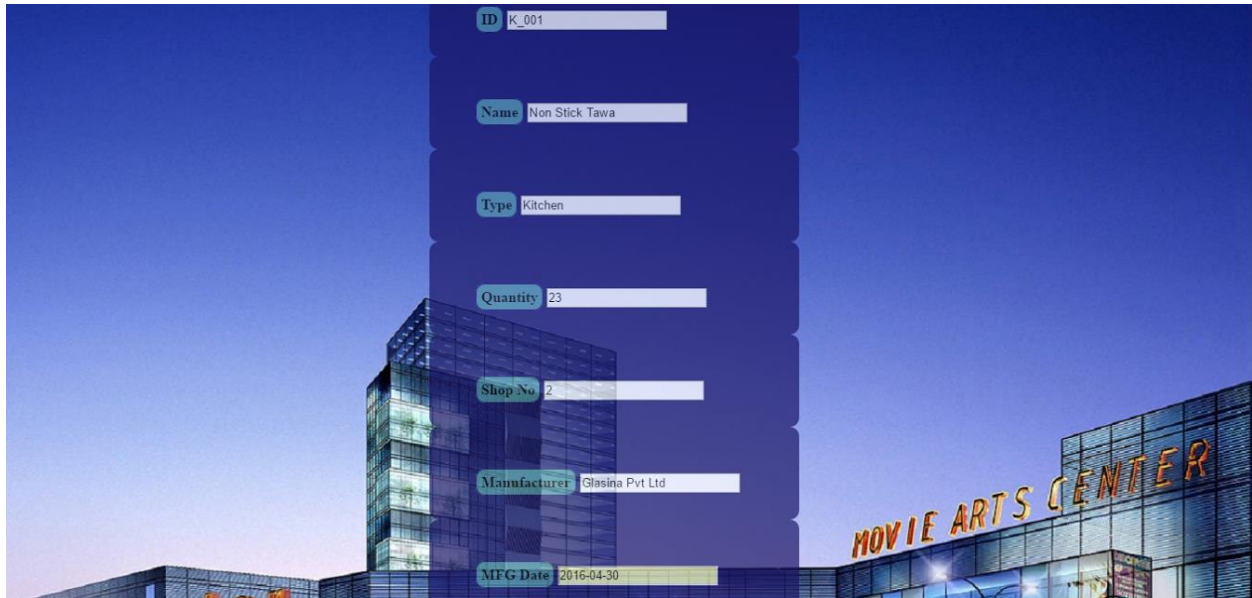


Directs to the Employee page, if an employee logs in, else to the customer page.



Add Product:

```
INSERT INTO Product(Product_ID, Product_Name, Type, Quantity, Shop_No,
Manufacturer, Manufacturing_Date, Expiry_Date, Price) VALUES(' ".$id." ','
".$name." ',' ".$type." ',' ".$quantity." ',' ".$shop_no." ',' ".$manufacturer." ','
".$mfg_date." ',' ".$expiry_date." ',' ".$price." ');
```



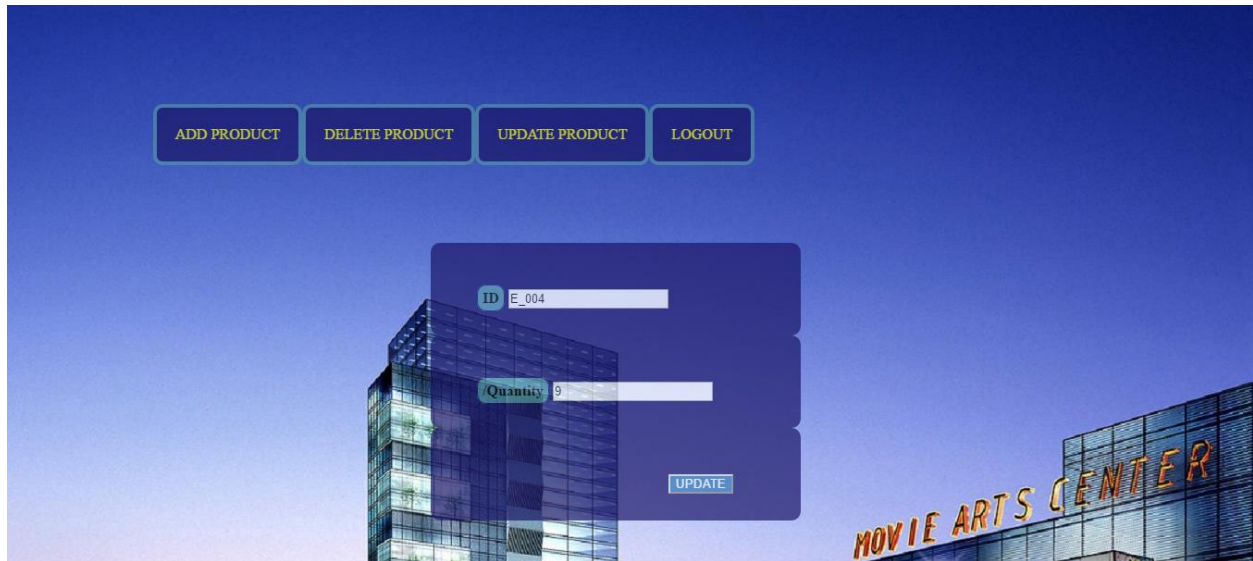
Product added as follows, in the database:

Product_ID	Product_Name	Type	Quantity	Shop_No	Manufacturer	Manufacturing_Date	Expiry_Date	Price
E_0001	Redmi Note 3	Mobile	2	8	Xaomi	2016-10-21		10999
E_0002	Redmi CS	Mobile	7	9	Xaomi	2016-10-19		8999
E_0004	Yu Yureka Plus	Mobile	6	8	Micromax	2016-08-14		9999
E_004	Dell Inspiron Core i3	Electronics	3	10	Dell	2016-09-10		42999
E_005	Lenovo Z51-70 Core i7	Electronics	2	10	Lenovo	2016-08-12		74499
E_006	Micromax 18.5 inch LED	Electronics	5	4	Micromax	2016-10-21		26999
G_001	Show Piece	Gifts	15	6	Annie Shop	2016-04-30		800
G_002	Aluminium Peacock	Gifts	4	6	Mangal Aluminiums	2016-06-19		1200
K_001	Non Stick Tawa	Kitchen	23	2	Glasina Pvt Ltd	2016-04-30		350
M_001	VT54 Key Band Stand	Musical	10	16	V.T. Musicals	2016-06-19		1500
M_002	Swan Harmonica	Musical	8	16	Swan Pvt Ltd	2016-10-21		500
M_003	Dholak Big	Musical	12	16	Dholak Company	2016-06-19		800
P_001	Dog Collar	Pet Products	1	19	Tommy Chew Pvt. Ltd.	2016-07-13		200
P_002	Round Shape Bowl [Pet]	Pet Product	6	19	Tommy Chew Pvt. Ltd.	2016-05-25		450

Update Operation:

UPDATE Product

SET Quantity= ' ".\$quantity." ' WHERE Product_ID= ' ".\$id." ' ;



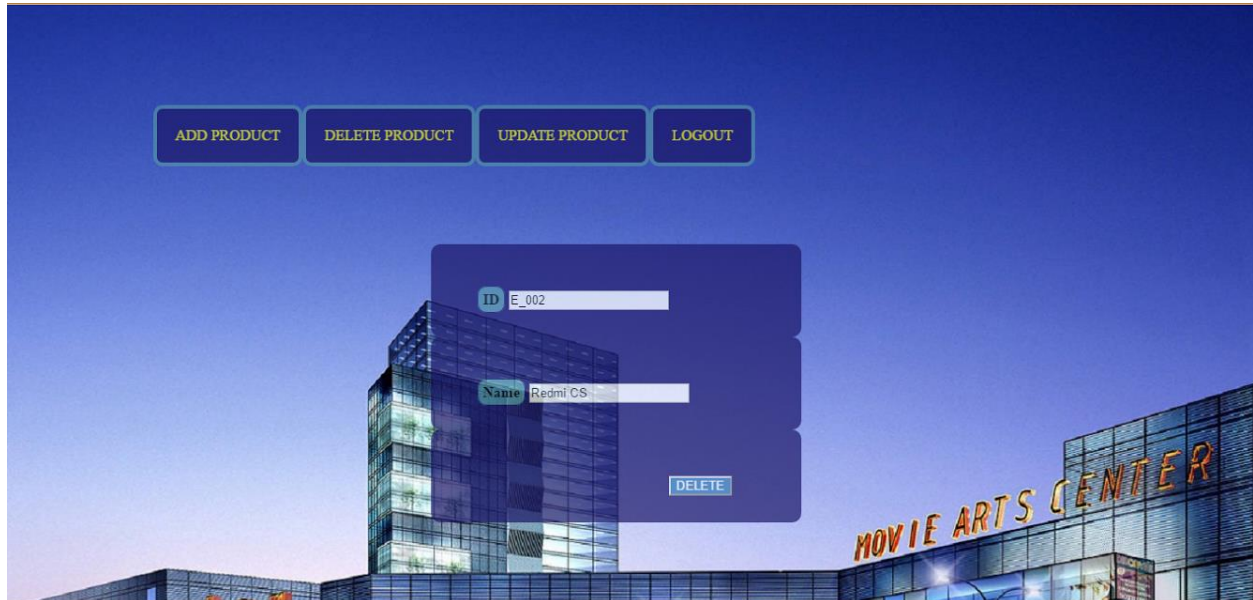
On successful update, the user is directed to the initial update page

Update reflected in database:

Product_ID	Product_Name	Type	Quantity	Shop_No	Manufacturer	Manufacturing_Date	Expiry_Date	Price
E_001	Redmi Note 3	Mobile	2	8	Xaomi	2016-10-21		10999
E_002	Redmi CS	Mobile	7	9	Xaomi	2016-10-19		8999
E_003	Yu Yureka Plus	Mobile	6	8	Micromax	2016-08-14		9999
E_004	Dell Inspiron Core i3	Electronics	9	10	Dell	2016-09-10		42999
E_005	Lenovo Z51-70 Core i7	Electronics	2	10	Lenovo	2016-08-12		74499
E_006	Micromax 18.5 inch LED	Electronics	5	4	Micromax	2016-10-21		26999
G_001	Show Piece	Gifts	15	6	Annie Shop	2016-04-30		800
G_002	Aluminium Peacock	Gifts	4	6	Mangal Aluminiums	2016-06-19		1200
K_001	Non Stick Tawa	Kitchen	23	2	Glasina Pvt Ltd	2016-04-30		350
M_001	VT54 Key Band Stand	Musical	10	16	V.T. Musicals	2016-06-19		1500
M_002	Swan Harmonica	Musical	8	16	Swan Pvt Ltd	2016-10-21		500
M_003	Dholak Big	Musical	12	16	Dholak Company	2016-06-19		800
P_001	Dog Collar	Pet Products	1	19	Tommy Chew Pvt. Ltd.	2016-07-13		200

Deletion Operation:

DELETE FROM Product WHERE Product_ID= ‘ “.\$id.” ‘ AND Product_Name = ‘ “.\$product_name.” ‘;



On successful deletion, the user is directed to the initial product page.

Deletion reflected in database:

	Product_ID	Product_Name	Type	Quantity	Shop_No	Manufacturer	Manufacturing_Date	Expiry_Date	Price
Delete	E_001	Redmi Note 3		8	7	Micromax	2016-10-21		10999
Delete	E_003	Yu Yureka Plus	Electronics	8	7	Micromax	2016-10-21		8999
Delete	E_004	Dell Inspiron Core i3	Electronics	8	7	Micromax	2016-10-21		45999
Delete	E_005	Lenovo Z51-70 Core i7	Electronics	8	7	Micromax	2016-10-21		8999
Delete	E_006	Yu Yureka Plus	Electronics	8	7	Micromax	2016-10-21		8999
Delete	G_001	Yu Yureka Plus	Electronics	8	7	Micromax	2016-10-21		8999
Delete	G_002	Show Piece	Electronics	8	7	Micromax	2016-10-21		8999
Delete	K_001	Non Stick Tawa	Electronics	8	7	Micromax	2016-10-21		8999
Delete	M_001	V.T. 54 Key Band Stand	Electronics	8	7	Micromax	2016-10-21		8999
Delete	M_002	Swan Harmonica	Electronics	8	7	Micromax	2016-10-21		8999

Conclusion

The project hence, has given us a good insight into the working of SQL, in compliance with PHP and CSS. Creating a website has been helpful in gaining better knowledge, and thus will be act as key points while working in similar projects in future.

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DBMS PROJECT



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CSE (III YEAR)