# Mini Project Report of Database Systems Lab (CSE 2262)

# TITLE -ONLINE SHOPPING PORTAL

### SUBMITTED BY-

MAYANK KUMAR 210962114, 33, SECTION A

Department of Computer Science and Engineering Manipal Institute of Technology, Manipal.

#### DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Manipal 12/05/2023

# **CERTIFICATE**

This is to certify that the project titled **Online Shopping Portal** is a record of the bonafide work done by **Mayank Kumar (Reg. No. 210962114)** submitted in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology (B.Tech.) in COMPUTER SCIENCE & ENGINEERING of Manipal Institute of Technology, Manipal, Karnataka, (A Constituent Institute of Manipal Academy of Higher Education), during the academic year 2022-2023.

## Name and Signature of Examiners:

1. MR. Dinesh Acharaya, AssociateProfessor, CSE Dept.

# Database Systems Lab (CSE 2262)

#### **INTRODUCTION:**

The Shopping cart is mainly useful for who haven't time to go to shopping, those are just entered into this website and bought what ever they want.

Even it is night or morning they entered into this site, and chosen different items like fruits, books, toys etc.

'Customer is our god' mainly this website is based on this formula. After chosen items he bought into Pay pal process like VISA or MASTER credit cards or any Debit cards are accepted in this website. Customer is happily shopping at his rest place.

Once customer entered with his own username and password, at that time automatically one shopping cart will be created, once user select an item it will add to cart. In case user thinks the selected item is not useful for me, then deleted that item from shopping cart.

Customer selected some items, but in his credit or debit cart haven't that much balance, then he was logout from the website, the selected items are stored at cart with specific users with his allotted carts, after some days he bought those items then automatically deleted from the cart.

#### **OBJECTIVE:**

The Shopping cart is mainly useful for who haven't time to go to shopping, those are just entered into this website and bought what ever they want.

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#### **PROJECT STATEMENT:**

Once customer entered with his own username and password, at that time automatically one shopping cart will be created, once user select an item it will add to cart. In case user thinks the selected item is not useful for me, then deleted that item from shopping cart.

Customer selected some items, but in his credit or debit cart haven't that much balance, then he was logout from the website, the selected items are stored at cart with specific users with his allotted carts, after some days he bought those items then automatically deleted from the cart.

#### **METHODOLOGY:**

#### 1. Existing System

. Existing system is a manual one in which users are maintaining books to store the information like product details, purchases, sales details and accounts for every month. It is very difficult to maintain historical data.

#### **DISADVANTAGES:**

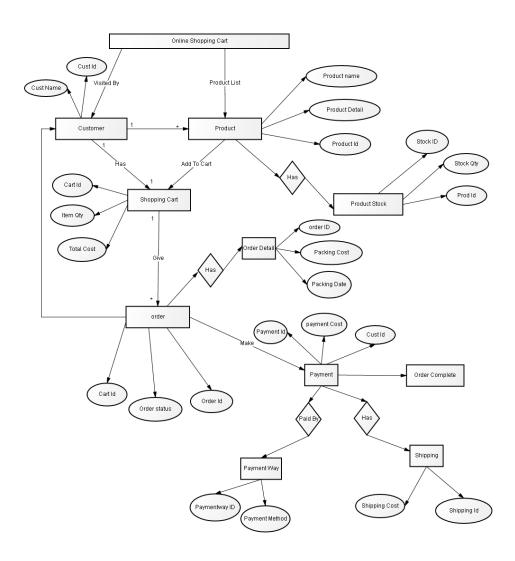
The following are the disadvantages of the existing system

- It is difficult to maintain important information in books.
- More manual hours need to generate required reports.
- It is tedious to manage historical data which needs much space to keep all the previous years' ledgers, books etc.
- Daily sales and purchases details must be entered into books are very difficult to maintain.

## 3. Objective of the System

The objective of the Shopping Cart is to provide better information for the users of this system for better results for their maintainence in the product details that is sales, purchases and stock.

### **ER DIAGRAM:**



#### **TABLE CREATION:**

```
For admin-:

CREATE TABLE 'admin' (
  'id` int(11) NOT NULL,
  'username` varchar(255) NOT NULL,
  'password` varchar(255) NOT NULL,
  'creationDate` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP,
  'updationDate` varchar(255) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

#### For Category:

```
CREATE TABLE `category` (

`id` int(11) NOT NULL,

`categoryName` varchar(255) DEFAULT NULL,

`categoryDescription` longtext,

`creationDate` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP,

`updationDate` varchar(255) DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```
For Orders:
CREATE TABLE `orders` (
 'id' int(11) NOT NULL,
 `userId` int(11) DEFAULT NULL,
 `productId` varchar(255) DEFAULT NULL,
 `quantity` int(11) DEFAULT NULL,
 'orderDate' timestamp NOT NULL DEFAULT CURRENT TIMESTAMP,
 `paymentMethod` varchar(50) DEFAULT NULL,
 `orderStatus` varchar(55) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
For ordertrackhistory:
CREATE TABLE `ordertrackhistory` (
 'id' int(11) NOT NULL,
 `orderId` int(11) DEFAULT NULL,
 `status` varchar(255) DEFAULT NULL,
 `remark` mediumtext,
 `postingDate` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```
For productreviews:
CREATE TABLE `productreviews` (
 'id' int(11) NOT NULL,
 `productId` int(11) DEFAULT NULL,
 `quality` int(11) DEFAULT NULL,
 'price' int(11) DEFAULT NULL,
 'value' int(11) DEFAULT NULL,
 'name' varchar(255) DEFAULT NULL,
 `summary` varchar(255) DEFAULT NULL,
 'review' longtext,
 `reviewDate` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
For products:
CREATE TABLE `products` (
 'id' int(11) NOT NULL,
 `category` int(11) NOT NULL,
 `subCategory` int(11) DEFAULT NULL,
```

```
`productName` varchar(255) DEFAULT NULL,
 `productCompany` varchar(255) DEFAULT NULL,
 `productPrice` int(11) DEFAULT NULL,
 `productPriceBeforeDiscount` int(11) DEFAULT NULL,
 `productDescription` longtext,
 `productImage1` varchar(255) DEFAULT NULL,
 `productImage2` varchar(255) DEFAULT NULL,
 `productImage3` varchar(255) DEFAULT NULL,
 `shippingCharge` int(11) DEFAULT NULL,
 `productAvailability` varchar(255) DEFAULT NULL,
 'postingDate' timestamp NULL DEFAULT CURRENT_TIMESTAMP,
 'updationDate' varchar(255) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
For subcategory:
CREATE TABLE 'subcategory' (
 'id' int(11) NOT NULL,
 `categoryid` int(11) DEFAULT NULL,
 `subcategory` varchar(255) DEFAULT NULL,
 `creationDate` timestamp NULL DEFAULT CURRENT TIMESTAMP,
```

```
'updationDate' varchar(255) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
For userlog:
CREATE TABLE `userlog` (
 'id' int(11) NOT NULL,
 `userEmail` varchar(255) DEFAULT NULL,
 'userip' binary(16) DEFAULT NULL,
 'loginTime' timestamp NULL DEFAULT CURRENT_TIMESTAMP,
 'logout' varchar(255) DEFAULT NULL,
 `status` int(11) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
For users:
CREATE TABLE `users` (
 'id' int(11) NOT NULL,
 'name' varchar(255) DEFAULT NULL,
 'email' varchar(255) DEFAULT NULL,
 `contactno` bigint(11) DEFAULT NULL,
```

```
`password` varchar(255) DEFAULT NULL,
 `shippingAddress` longtext,
 `shippingState` varchar(255) DEFAULT NULL,
 `shippingCity` varchar(255) DEFAULT NULL,
 `shippingPincode` int(11) DEFAULT NULL,
 `billingAddress` longtext,
 `billingState` varchar(255) DEFAULT NULL,
 'billingCity' varchar(255) DEFAULT NULL,
 `billingPincode` int(11) DEFAULT NULL,
 'regDate' timestamp NOT NULL DEFAULT CURRENT TIMESTAMP,
 'updationDate' varchar(255) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
For table wishlist:
CREATE TABLE `wishlist` (
 'id' int(11) NOT NULL,
 `userId` int(11) DEFAULT NULL,
 `productId` int(11) DEFAULT NULL,
 'postingDate' timestamp NOT NULL DEFAULT CURRENT TIMESTAMP
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

## **Insert Statements:**

```
`updationDate`) VALUES
(1, 'admin', 'f925916e2754e5e03f75dd58a5733251', '2017-01-24 16:21:18', '21-
06-2018 08:27:55 PM');
INSERT INTO 'category' ('id', 'categoryName', 'categoryDescription',
`creationDate`, `updationDate`) VALUES
(3, 'Books', 'Test anuj', '2017-01-24 19:17:37', '30-01-2017 12:22:24 AM'),
(4, 'Electronics', 'Electronic Products', '2017-01-24 19:19:32', "),
(5, 'Furniture', 'test', '2017-01-24 19:19:54', "),
(6, 'Fashion', 'Fashion', '2017-02-20 19:18:52', ");
INSERT INTO 'orders' ('id', 'userld', 'productld', 'quantity', 'orderDate',
`paymentMethod`, `orderStatus`) VALUES
(1, 1, '3', 1, '2017-03-07 19:32:57', 'COD', NULL),
(3, 1, '4', 1, '2017-03-10 19:43:04', 'Debit / Credit card', 'Delivered'),
(4, 1, '17', 1, '2017-03-08 16:14:17', 'COD', 'in Process'),
(5, 1, '3', 1, '2017-03-08 19:21:38', 'COD', NULL),
(6, 1, '4', 1, '2017-03-08 19:21:38', 'COD', NULL);
```

INSERT INTO 'admin' ('id', 'username', 'password', 'creationDate',

```
INSERT INTO `ordertrackhistory` (`id`, `orderld`, `status`, `remark`, `postingDate`) VALUES
```

- (1, 3, 'in Process', 'Order has been Shipped.', '2017-03-10 19:36:45'),
- (2, 1, 'Delivered', 'Order Has been delivered', '2017-03-10 19:37:31'),
- (3, 3, 'Delivered', 'Product delivered successfully', '2017-03-10 19:43:04'),
- (4, 4, 'in Process', 'Product ready for Shipping', '2017-03-10 19:50:36');

# INSERT INTO `productreviews` ('id', `productId', `quality', `price', `value', `name', `summary', `review', `reviewDate') VALUES

- (2, 3, 4, 5, 5, 'Anuj Kumar', 'BEST PRODUCT FOR ME :)', 'BEST PRODUCT FOR ME :)', '2017-02-26 20:43:57'),
- (3, 3, 4, 3, 'Sarita pandey', 'Nice Product', 'Value for money', '2017-02-26 20:52:46'),
- (4, 3, 3, 4, 3, 'Sarita pandey', 'Nice Product', 'Value for money', '2017-02-26 20:59:19');

# INSERT INTO `subcategory` (`id`, `categoryid`, `subcategory`, `creationDate`, `updationDate`) VALUES

- (2, 4, 'Led Television', '2017-01-26 16:24:52', '26-01-2017 11:03:40 PM'),
- (3, 4, 'Television', '2017-01-26 16:29:09', "),
- (4, 4, 'Mobiles', '2017-01-30 16:55:48', "),
- (5, 4, 'Mobile Accessories', '2017-02-04 04:12:40', "),

```
(6, 4, 'Laptops', '2017-02-04 04:13:00', ''),
(7, 4, 'Computers', '2017-02-04 04:13:27', ''),
(8, 3, 'Comics', '2017-02-04 04:13:54', ''),
(9, 5, 'Beds', '2017-02-04 04:36:45', ''),
(10, 5, 'Sofas', '2017-02-04 04:37:02', ''),
(11, 5, 'Dining Tables', '2017-02-04 04:37:51', ''),
(12, 6, 'Men Footwears', '2017-03-10 20:12:59', '');
```

INSERT INTO `userlog` (`id`, `userEmail`, `userip`, `loginTime`, `logout`, `status`) VALUES

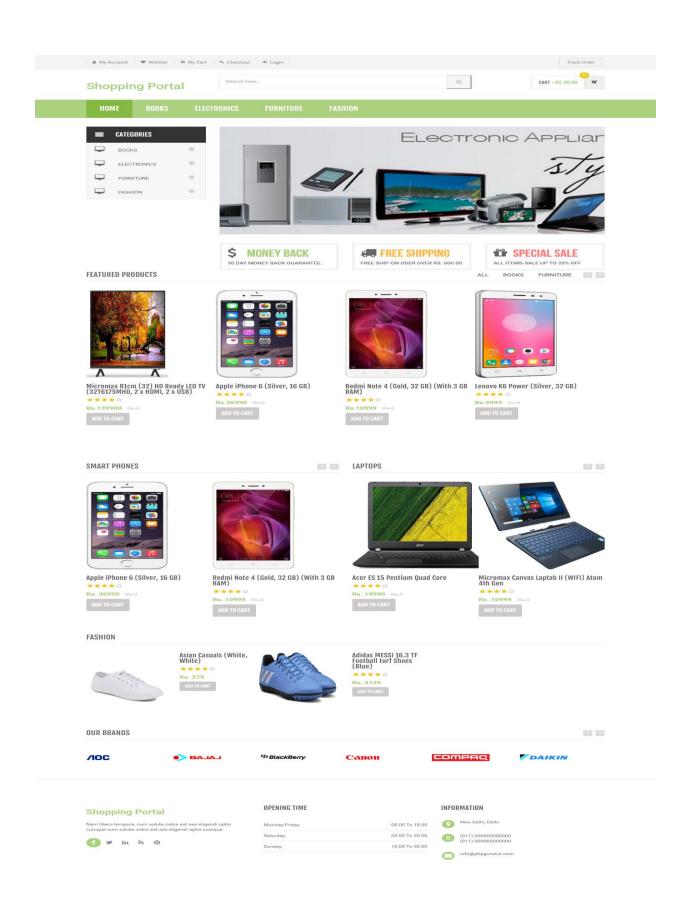
- (1, 'anuj.lpu1@gmail.com', 0x3a3a31000000000000000000000000, '2017-02-26 11:18:50', '', 1),
- (2, 'anuj.lpu1@gmail.com', 0x3a3a31000000000000000000000000, '2017-02-26 11:29:33', '', 1),
- (4, 'anuj.lpu1@gmail.com', 0x3a3a310000000000000000000000000, '2017-02-26 15:00:23', '26-02-2017 11:12:06 PM', 1),
- (5, 'anuj.lpu1@gmail.com', 0x3a3a31000000000000000000000000, '2017-02-26 18:08:58', '', 0),
- (6, 'anuj.lpu1@gmail.com', 0x3a3a310000000000000000000000000, '2017-02-26 18:09:41', '', 0),
- (7, 'anuj.lpu1@gmail.com', 0x3a3a310000000000000000000000000, '2017-02-26 18:10:04', '', 0),

- (8, 'anuj.lpu1@gmail.com', 0x3a3a31000000000000000000000000, '2017-02-26 18:10:31', '', 0),
- (9, 'anuj.lpu1@gmail.com', 0x3a3a31000000000000000000000000, '2017-02-26 18:13:43', '', 1),
- (10, 'anuj.lpu1@gmail.com', 0x3a3a310000000000000000000000000, '2017-02-27 18:52:58', '', 0),
- (11, 'anuj.lpu1@gmail.com', 0x3a3a31000000000000000000000000000, '2017-02-27 18:53:07', '', 1),
- (12, 'anuj.lpu1@gmail.com', 0x3a3a310000000000000000000000000, '2017-03-03 18:00:09', '', 0),
- (13, 'anuj.lpu1@gmail.com', 0x3a3a31000000000000000000000000, '2017-03-03 18:00:15', '', 1),
- (14, 'anuj.lpu1@gmail.com', 0x3a3a31000000000000000000000000, '2017-03-06 18:10:26', '', 1),
- (15, 'anuj.lpu1@gmail.com', 0x3a3a310000000000000000000000000, '2017-03-07 12:28:16', '', 1),
- (16, 'anuj.lpu1@gmail.com', 0x3a3a31000000000000000000000000000, '2017-03-07 18:43:27', '', 1),
- (17, 'anuj.lpu1@gmail.com', 0x3a3a310000000000000000000000000, '2017-03-07 18:55:33', '', 1),
- (18, 'anuj.lpu1@gmail.com', 0x3a3a310000000000000000000000000, '2017-03-07 19:44:29', '', 1),
- (19, 'anuj.lpu1@gmail.com', 0x3a3a310000000000000000000000000, '2017-03-08 19:21:15', '', 1),
- (20, 'anuj.lpu1@gmail.com', 0x3a3a310000000000000000000000000, '2017-03-15 17:19:38', '', 1),
- (21, 'anuj.lpu1@gmail.com', 0x3a3a310000000000000000000000000, '2017-03-15 17:20:36', '15-03-2017 10:50:39 PM', 1),

```
(22, 'anuj.lpu1@gmail.com', 0x3a3a31000000000000000000000000000, '2017-03-
16 01:13:57', ", 1),
(23, 'hgfhgf@gmass.com', 0x3a3a31000000000000000000000000, '2018-04-29
09:30:40', ", 1);
INSERT INTO 'users' ('id', 'name', 'email', 'contactno', 'password',
`shippingAddress`, `shippingState`, `shippingCity`, `shippingPincode`,
'billingAddress', 'billingState', 'billingCity', 'billingPincode', 'regDate',
`updationDate`) VALUES
(1, 'Anuj Kumar', 'anuj.lpu1@gmail.com', 9009857868,
'f925916e2754e5e03f75dd58a5733251', 'CS New Delhi', 'New Delhi', 'Delhi',
110001, 'New Delhi', 'New Delhi', 'Delhi', 110092, '2017-02-04 19:30:50', "),
(2, 'Amit', 'amit@gmail.com', 8285703355,
'5c428d8875d2948607f3e3fe134d71b4', ", ", ", 0, ", ", ", 0, '2017-03-15 17:21:22',
"),
(3, 'hg', 'hgfhgf@gmass.com', 1121312312,
'827ccb0eea8a706c4c34a16891f84e7b', ", ", ", 0, ", ", ", 0, '2018-04-29 09:30:32',
");
INSERT INTO 'wishlist' ('id', 'userId', 'productId', 'postingDate') VALUES
(1, 1, 0, '2017-02-27 18:53:17');
```

# FOLLOWING ARE SOME SNAPSHOTS OF THE PROJECT IN THE FOLLOWING ORDER:

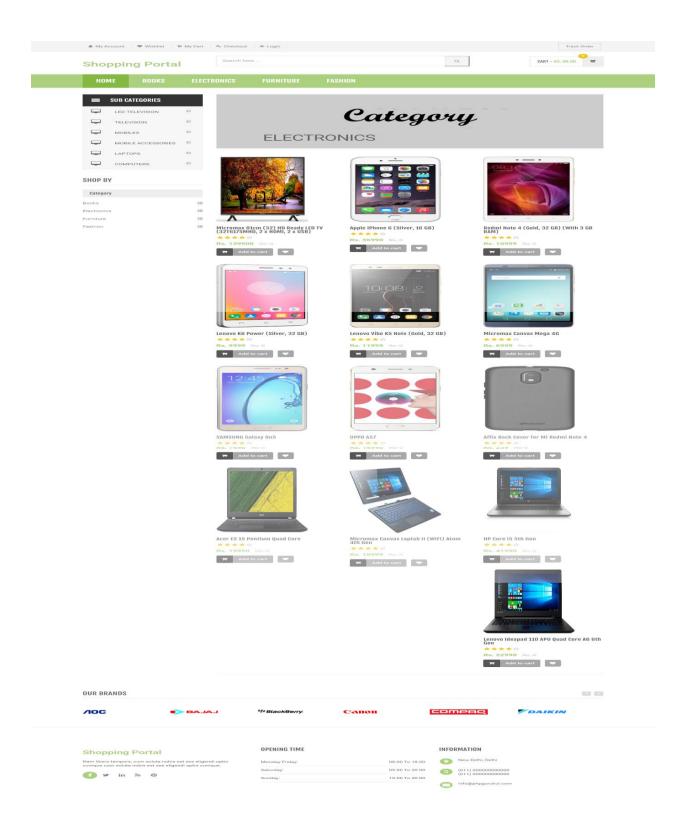
- 1) HOME PAGE
- 2) USER REGISTRATION AND LOGIN
- 3) CATEGORY
- 4) SUB CATEGORY
- 5) PROJECT DETAILS
- 6) FORGOT PASSWORD
- 7) TRACK ORDER WITHOUT LOGIN
- 8) USER PROFILE
- 9) SHIPPING-BILLING ADDRESS
- **100RDER HISTORY**
- 11)TRACKING DETAILS
- 12)WISHLIST

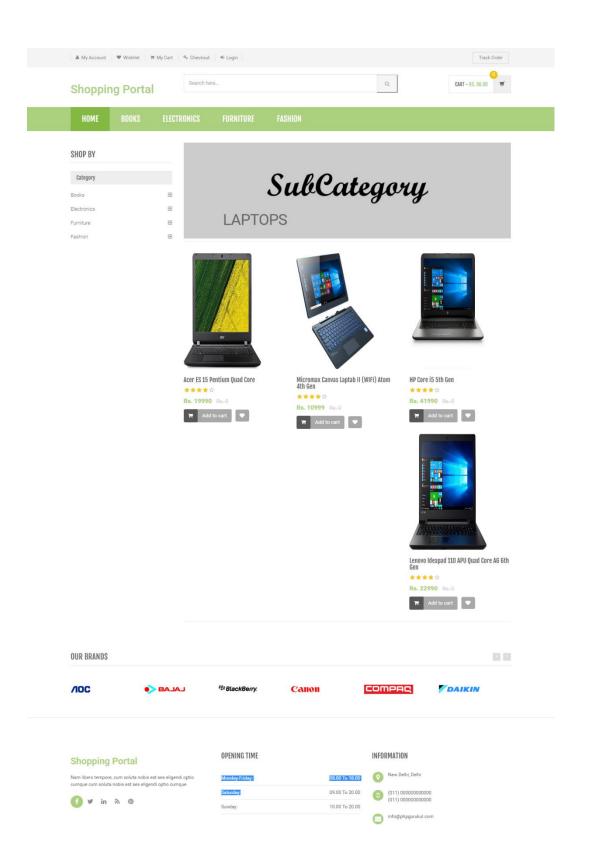


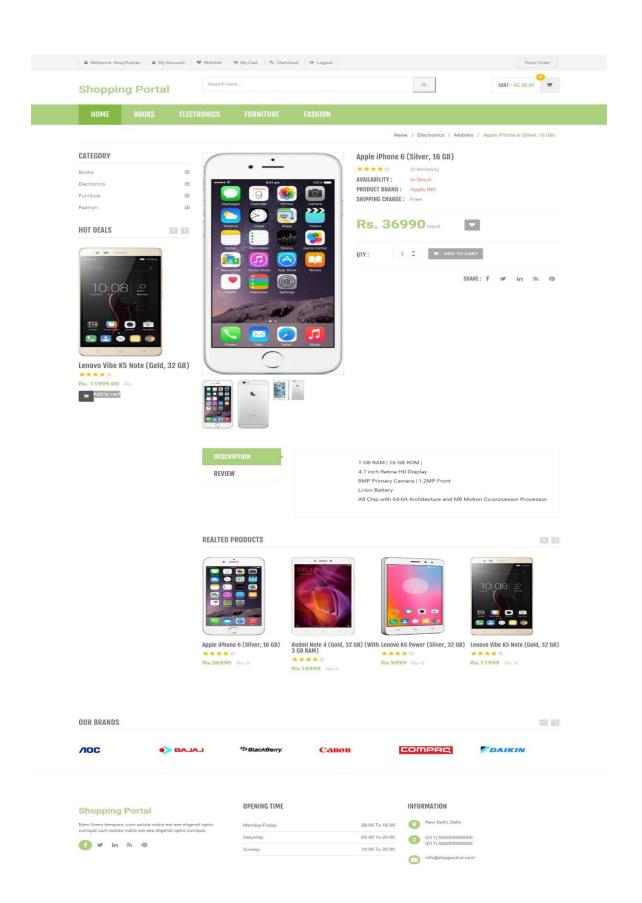
HOME BOOKS ELECTRONICS FURNITURE FASH

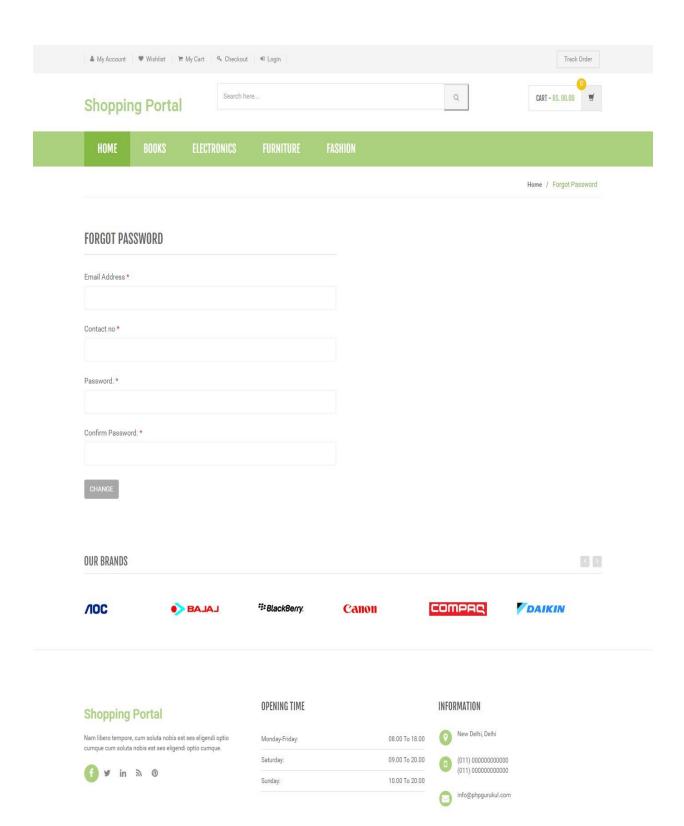
Home / Authentication

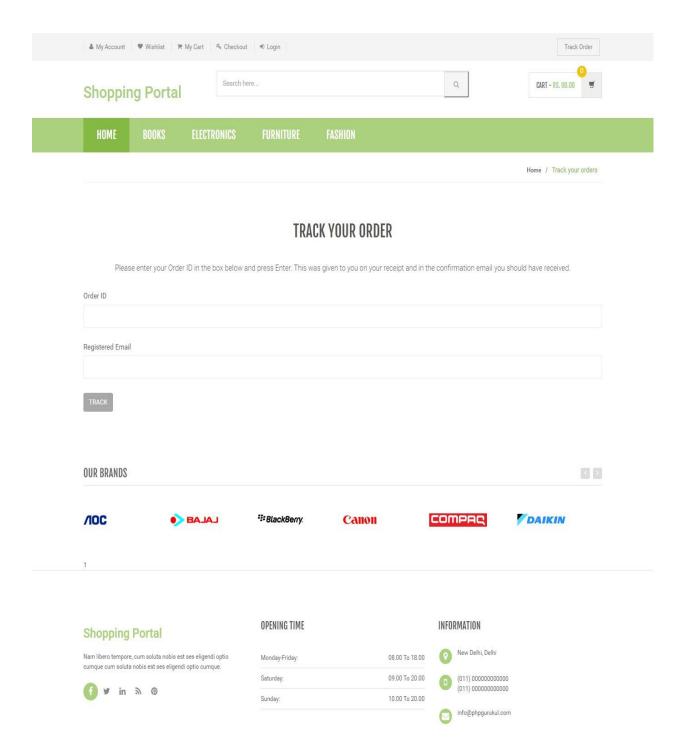
SIGN IN	CREATE A NEW ACCOUNT
Hello, Welcome to your account.	Create your own Shopping account.
Email Address *	Full Name *
Password *	Email Address *
Forgi	ot your Password?
LOGIN	Password. *
	Confirm Password. *
	SIGN UP

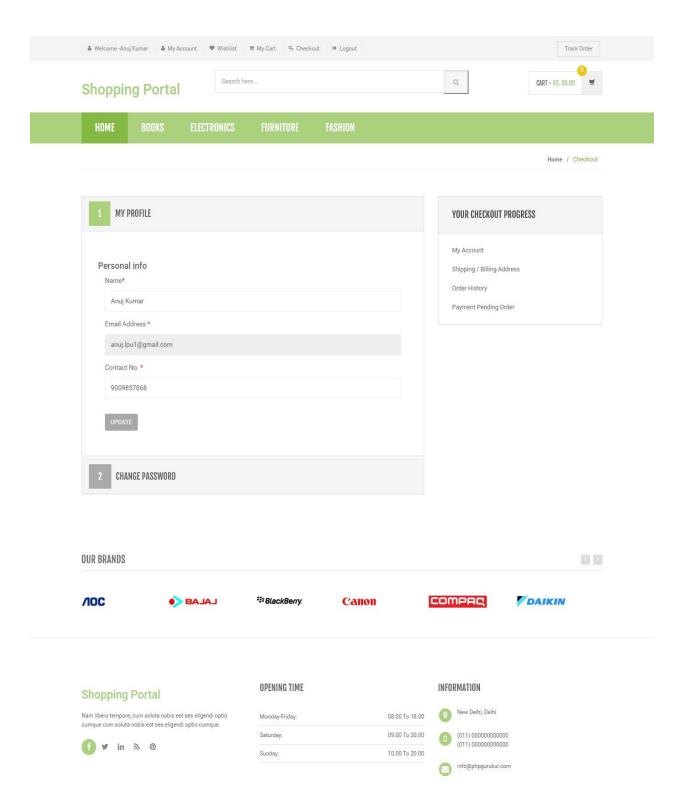


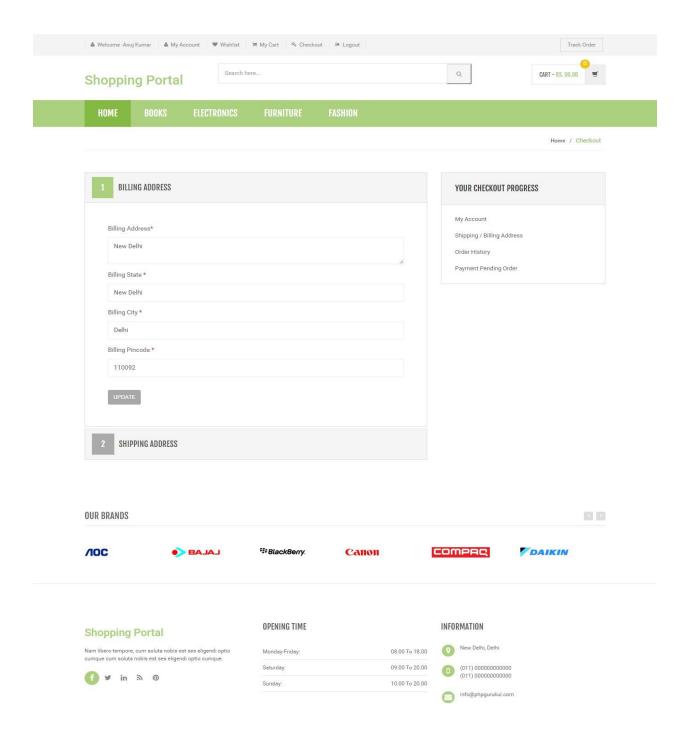








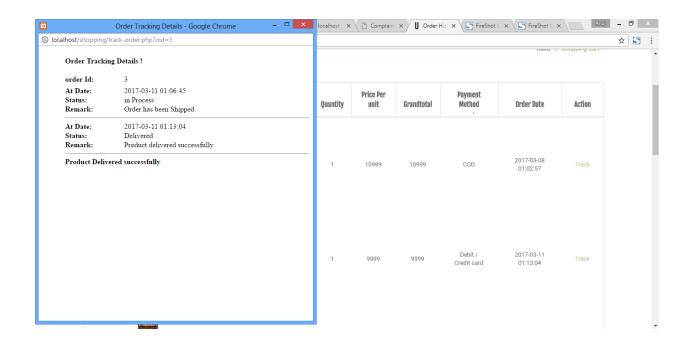


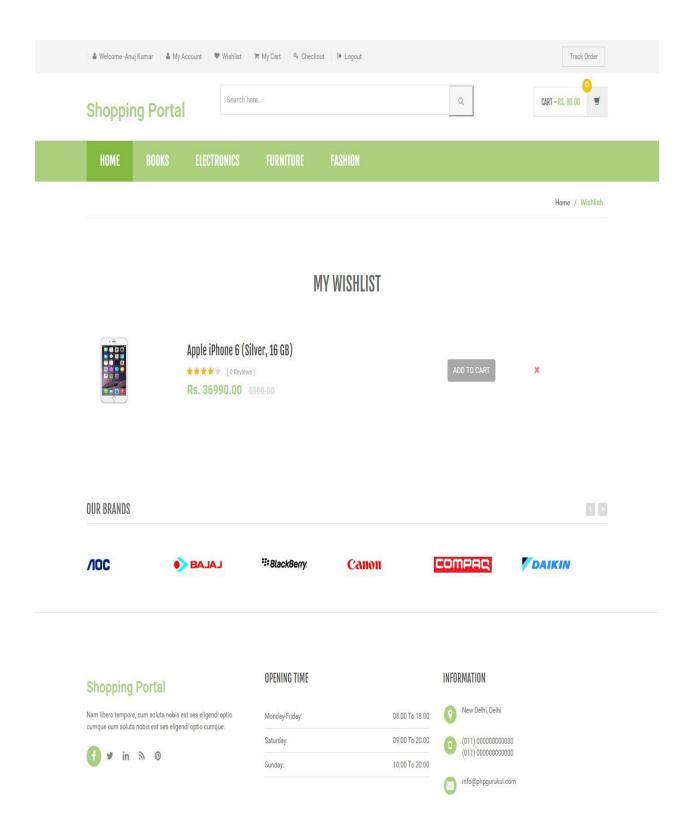




Home / Shopping Cart

#	Image	Product Name	Quantity	Price Per unit	Grandtotal	Payment Method	Order Date	Action
1		REDMI NOTE 4 (GOLD, 32 GB) (WITH 3 GB RAM)	1	10999	10999	COD	2017-03-08 01:02:57	Track
2		LENOVO KG POWER (SILVER, 32 GB)	1	9999	9999	Debit / Credit card	2017-03-11 01:13:04	Track
3		INDUSCRAFT SOLID WOOD KING BED WITH STORAGE	1	32566	32566	COD	2017-03-08 21:44:17	Track
4		REDMI NOTE 4 (GOLD, 32 GB) (WITH 3 GB RAM)	1	10999	10999	COD	2017-03-09 00:51:38	Track
5		LENOVO KG POWER (SILVER, 32 GB)	1	9999	9999	COD	2017-03-09 00:51:38	Track
6	TOTAL STATE OF THE	THEA STILTON AND THE TROPICAL Treasure	2	240	480	COD	2017-04-03 23:38:54	Track





#### **CONCLUSION**

The package was designed in such a way that future modifications can be
done easily. The following conclusions can be
deduced from the development of the project.

- ➤ Automation of the entire system improves the efficiency
- ➤ It provides a friendly graphical user interface which proves to be better when compared to the existing system.
- ➤ It gives appropriate access to the authorized users depending on their permissions.
- ➤ It effectively overcomes the delay in communications.
- > Updating of information becomes so easier.
- > System security, data security and reliability are the striking features.
- ➤ The System has adequate scope for modification in future if it is necessary.

### **FUTURE ENHANCEMENTS:**

This application avoids the manual work and the problems concern with it. It is an easy way to obtain the information regarding the various products information that are present in the Super markets.

Well I and my team members have worked hard in order to present an improved website better than the existing one's regarding the information about the various activities. Still ,we found out that the project can be done in a better way. Primarily, when we request information about a particular product it just shows the company, product id, product name and no. of quantities available. So, after getting the information we can get access to the product company website just by a click on the product name .