

CHAPTER 5 DDL/DML COMMANDS

Data Definition Language(DDL) Queries:

Category table:

```
CREATE TABLE Category (  
    category_id INT(11) NOT NULL AUTO_INCREMENT,  
    category_title VARCHAR(255) NOT NULL,  
    PRIMARY KEY (category_id)  
);
```

Product table:

```
CREATE TABLE Product (  
    product_id INT(11) NOT NULL AUTO_INCREMENT,  
    category_id INT(11) NOT NULL,  
    product_title VARCHAR(255) NOT NULL,  
    product_desc TEXT NOT NULL,  
    product_key VARCHAR(255) NOT NULL,  
    product_img VARCHAR(255) NOT NULL,  
    product_price DECIMAL(10,2) NOT NULL,  
    date DATE NOT NULL,  
    PRIMARY KEY (product_id),  
    FOREIGN KEY (category_id) REFERENCES Category(category_id)  
);
```

Cart_Details table:

```
CREATE TABLE Cart_Details (  
    product_id INT(11) NOT NULL,  
    quantity INT(11) NOT NULL,  
    PRIMARY KEY (product_id),  
    FOREIGN KEY (product_id) REFERENCES Product(product_id)  
);
```

User table:

```
CREATE TABLE User (  
    user_id INT(11) NOT NULL AUTO_INCREMENT,  
    username VARCHAR(255) NOT NULL,  
    user_email VARCHAR(255) NOT NULL,  
    user_password VARCHAR(255) NOT NULL,  
    user_address TEXT NOT NULL,  
    user_mobile VARCHAR(20) NOT NULL,  
    PRIMARY KEY (user_id)  
);
```

Order_Details table:

```
CREATE TABLE Order_Details (  
    order_id INT(11) NOT NULL AUTO_INCREMENT,  
    user_id INT(11) NOT NULL,  
    amount DECIMAL(10,2) NOT NULL,  
    invoice VARCHAR(255) NOT NULL,  
    total_products INT(11) NOT NULL,  
    order_date DATE NOT NULL,  
    PRIMARY KEY (order_id),  
    FOREIGN KEY (user_id) REFERENCES User(user_id)  
);
```

Data Manipulation Language (DML) Queries:

1.Home Page

Query used to show all category in the side bar:

- `$select_query = "SELECT * FROM `product` ";`

Query used to show all category in the side bar:

- `"Select * from `category` ";`

Query used to filter through catogories:

- `"SELECT * FROM `product` where category_id=$category_id";`

Query used to see price of items in nav bar:

- `$cart_query = "SELECT * FROM cart_details";`
- `$select_products = "SELECT * FROM product WHERE product_id='$product_id'"`

Query used to insert items into cart:

- `$insert_query="insert into `cart_details` (product_id,quantity) values ($get_product_id,0);"`

Query used to check wether item exists in cart items into cart:

- `$select_query = "SELECT * FROM `cart_details` WHERE product_id=$get_product_id";`

2.Cart

Query used to display items into cart:

- `$select_products = "SELECT * FROM product WHERE product_id='$product_id'";`

Query used to update product quantity from the cart:

- `$update_cart_qty = "UPDATE `cart_details` SET quantity='$quantities' ";`

Query used to delete products from the cart:

- `$delete_query = "DELETE FROM `cart_details` WHERE product_id=$remove_id";`

3.Payment

Query used to see which user is making the payment:

- `$get_user="Select * from `user_table` ";`

Block of Querys used to get total amount of products in the cart:

`$total_price = 0;`

`$cart_query_price = "SELECT * FROM `cart_details`";`

`$result_cart_price = mysqli_query($conn, $cart_query_price);`

`$invoice_number = mt_rand();`

`$count_products = mysqli_num_rows($result_cart_price);`

`while ($row_price = mysqli_fetch_array($result_cart_price)) {`

`$product_id = $row_price['product_id'];`

`$select_product = "SELECT * FROM `product` WHERE product_id=$product_id";`

`$run_price = mysqli_query($conn, $select_product);`

`while ($row_product_price = mysqli_fetch_array($run_price)) {`

`$product_price = array($row_product_price['product_price']);`

`$product_values = array_sum($product_price);`

`$total_price += $product_values;`

4.Orders:

Query used to insert cart order in the order table:

- `$insert_orders = "INSERT INTO `orders` (user_id, amount, invoice, total_products, order_date) VALUES ($user_id, $subtotal, '$invoice_number', $count_products, NOW());"`

Query used to show a user's orders in the order table:

- `$get_order_details="SELECT * FROM `orders` WHERE user_id=$user_id"`

5.User Login and Registration:

Query Used to Register a new user:

```
$insert_query = "INSERT INTO user_table (username, user_email, user_password, user_address, user_mobile)VALUES ('$username', '$user_email', '$user_password', '$user_address', '$user_mobile')";
```

Query Used to check if a user already exists while registering a new user:

```
$select_query = "SELECT * FROM `user_table` WHERE username='$username'";
```

Query Used to read username while logging in a user:

```
$select_query="Select * from `user_table` where username= '$user_username '";
```

6.Admin Operations

Query Used to insert a new category:

```
$insert_query="insert into `category` (category_title) values ('$category_title')";
```

Query Used to check if a user already exists while registering a new user:

- \$select_query="Select * from `category` where category_title= '\$category_title'";

Query used to show which categories are available while inserting a new product:

- \$select_query="SELECT * FROM `category`";

Query Used to insert a new product:

- \$insert_products="INSERT INTO `product` (product_title, product_desc, product_key, category_id, product_img, product_price, date, status) VALUES('\$product_title', '\$product_desc', '\$product_keyword', '\$product_categories', '\$product_img', '\$product_price', NOW(), '\$status')";
\$result_query=mysqli_query(\$conn,\$insert_products);

Query Used to all users:

- `$get_users = "SELECT * FROM `user_table`";`

Query Used to show all orders:

- `$get_orders="Select * from `orders`";`

Query Used to show all products:

- `$get_products = "SELECT * FROM `product`";`

CHAPTER 6: RESULTS & SNAPSHOTS

HomePage:


DBShop

Home


🛒 Price:200/-

Welcome Guest


DBShop



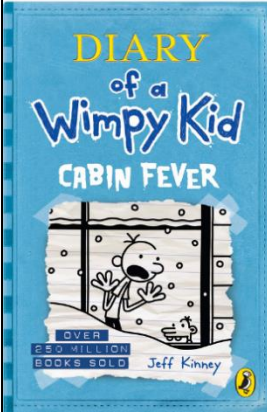
Soda
Coke
Price: 100/-
[Add to Cart](#)



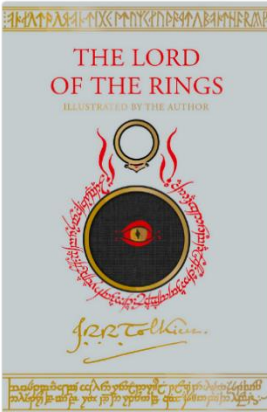
Chips
Lays
Price: 80/-
[Add to Cart](#)



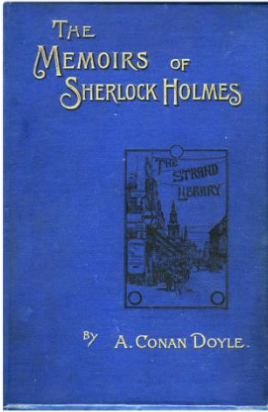
Chocolate
Dark Chocolate
Price: 120/-
[Add to Cart](#)




Wimpy Kid
Jeff Kinney
Price: 500/-
[Add to Cart](#)




Lord of The Rings
Tolkein
Price: 900/-
[Add to Cart](#)




Sherlock Holmes
Doyle
Price: 1000/-
[Add to Cart](#)



S23
Samsung
Price: 75000/-
[Add to Cart](#)



iPhone 14
Apple
Price: 80000/-
[Add to Cart](#)



OnePlus 11
Oneplus1
Price: 60000/-
[Add to Cart](#)

Category

Snacks

Books



Phones

Cart Page:

CartHomeLogin🛒²

Welcome GuestLogin

Cart

Product Title	Product Image	Quantity	Total Price	Remove	Operations
Chips		<input type="text"/>	80	<input type="checkbox"/>	<div>UpdateRemove</div>
iPhone 14		<input type="text"/>	80000	<input type="checkbox"/>	<div>UpdateRemove</div>

Total:80080

Checkout

Login Page:

Checkout

Login

Username

Enter your username

Password

Enter your password

Login

Dont have a account?? Register

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Register Page:

New User Registration

Username

Enter your username

Email

Enter your email

Password

Enter your password

Address

Enter your address

Contact

Enter your mobile number

Register

Already have an account?

[Login](#)

Payment Page:

Checkout

[Click to Pay and Place order](#)

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Order History on User Panel:

DBShop

Home

-

Welcome mvLogout

User Panel

Sr.no	Amount	Total products	Invoice number	Date
1	60100	2	994551058	2023-05-10 21:36:07
2	80	1	1809710592	2023-05-10 23:14:10
3	60000	1	406376663	2023-05-11 00:26:02
4	1080	2	590877514	2023-05-11 11:17:06
5	1080	2	1676920361	2023-05-11 11:17:19
6	1080	2	1989081948	2023-05-11 11:18:39
7	1080	2	1821006583	2023-05-11 11:21:33
8	1080	2	1041954018	2023-05-11 11:21:56
9	1100	2	88047107	2023-05-11 11:29:54

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Admin Panel Default View:

DBShop

Welcome admin,

Admin Panel

Insert Product

Insert Category

All Order

View Products

List Users

LogOut

Admin Panel Default View:

DBShop

Welcome admin,

Admin Panel

Insert Product

Insert Category

All Order

View Products

List Users

LogOut

Insert Category

Games

Insert categories

Admin Panel Insert Products View:

Insert Products

Product Title

Enter Product Title

Product Description

Enter Product Description

Product Keyword

Enter Product Keyword

Select a Category

Product Image

Browse...

No file selected.

Product Price

Enter Product Price

Insert Product

Admin Panel View Products:

DBShop

Welcome admin,

Admin Panel

Insert Product

Insert Category

All Order

View Products

List Users

LogOut

All Products

Product ID	Product Title	Product Description	Product Key	Category ID	Product Price
1	Soda	Coke	soda,coke	1	100
2	Chips	Lays	Chips,Lays	1	80
3	Choclote	Dark Choclote	Choclote	1	120
4	Wimpy Kid	Jeff Kinney	Wimpy Kid,Jeff Kinney	2	500
5	Lord of The Rings	Tolkein	Lord of The Rings,Iotr	2	900
6	Sherlock Holmes	Doyle	Sherlock Holmes,Doyle	2	1000
7	S23	Samsung	Samsung,S23	3	75000
8	iPhone 14	Apple	Apple,iPhone	3	80000
11	OnePlus 11	Oneplus1	oneplus	3	60000

Admin Panel View Products:

DBShop

Welcome admin,

Admin Panel

Insert Product

Insert Category

All Order

View Products

List Users

LogOut

All orders

Sr.no	Invoice number	Total products	Order Date
1	994551058	2	2023-05-10 21:36:07
2	1809710592	1	2023-05-10 23:14:10
3	406376663	1	2023-05-11 00:26:02
4	996844108	1	2023-05-11 11:16:34
5	590877514	2	2023-05-11 11:17:06
6	1676920361	2	2023-05-11 11:17:19
7	1989081948	2	2023-05-11 11:18:39
8	1821006583	2	2023-05-11 11:21:33
9	1041954018	2	2023-05-11 11:21:56
10	88047107	2	2023-05-11 11:29:54

Admin Panel View Users View:

DBShop

Welcome admin,

Admin Panel

Insert Product

Insert Category

All Order

View Products

List Users

LogOut

All Users

Sr.no	Username	Email	Address	Mobile
1	mv	mv	dgdf	231
2	balaji	mv@mail.com	home	123456