



**LINK:**







<http://cs-server.usc.edu:1221/CI/index.php/shopping/homepage>

**Database:**





Category:

Column	Datatype
 CategoryID	INT(11)
 CategoryName	VARCHAR(45)










Product:

 ProductID	INT(11)	↕
 CategoryID	INT(11)	↕
 ProductName	VARCHAR(1000)	↕
 Description	TEXT	↕
 Price	INT(11)	↕
 Pic	BLOB	↕





SpecialSales:

 SpecialSalesID	INT(11)
 ProductID	INT(11)
 SpecialSales...	INT(11)
 EndDate	DATE





Customer:

Column	Datatype
 CustomerID	INT(11)
 FirstName	VARCHAR(45)
 LastName	VARCHAR(45)
 Password	VARCHAR(45)
 Email	VARCHAR(45)
 Phone	VARCHAR(10)
 DefaultShipp...	VARCHAR(45)
 DefaultBillin...	VARCHAR(45)
 AccountName	VARCHAR(45)










### ShoppingCart:

Column	Datatype
 ProductID	INT(11)
 CustomerID	INT(11)
 ProductQty	INT(11)
 Index	INT(11)

### OrderDetail:

Column	Datatype
 ProductID	INT(11)
 ProductQty	INT(11)
 OrderID	INT(11)
 index	INT(11)

### OrderInfor:

 OrderID	INT(11)
 CustomerID	INT(11)
 OrderDate	DATE
 ShippingAdd...	VARCHAR(45)
 BillingAddress	VARCHAR(45)
 CardNumber	VARCHAR(16)
 Phone	VARCHAR(10)
 FirstName	VARCHAR(45)
 LastName	VARCHAR(45)

### To login as customer:

Account name	Aria	Bill	Cathy	John	Will	kate
Password	111	222	333	444	555	555

Views are responsible for displaying all output. All SQL code are in models. Controller get data from models and deal with them, and then pass them to views for displaying.

I use screen size to determine whether it is small size. For big one, css.css is used while for small one, small.css is used. Although we can just make the window small to see the small effect, it look better using smart phone( SAMSUNG).

Functions in Controllers are shown below:

**pagehead**: This function will be called in every other function because it will be shown on the top of each page.

(views: view\_pagehead)

**homepage**: This is the first page. Customer can see Special Sales on this page. They can click on the image or name of each product to see details. They can choose whatever product category to see items belong to that category. They can add items into shopping cart. After logging in, items added in shopping cart before logging in will still in shopping cart and will not be duplicated if they add the same item with same quantity. (views: view\_hompepage)

**category**: This page is to display the items that customer choose from a certain category. (views: view\_category)

**productdetail**: This page is to display a certain product that customer would like to see. (views: view\_productdetail)

**shopping\_cart**: This page is to display the shopping cart before or after logging in. In this page, customer can also see product detail by clicking the image or product name. Customer can change product quantity, delete selected items or empty their shopping cart in this page. Customer must log in to pay for the products. After logging in, customer can see the top one item that sold together.

Relative functions: function addcart(), function deletcart1(), function deletcart2(), function emptycart1(), function emptycart2(), function cartqtychange1(),function cartqtychange2().

(views: view\_shopping\_cart)

**login**: This page is for customer to login. After customer logging in, customer account name will be shown on the top left on each page. By clicking that, they can manage their account. Customer login will be time out within 300s. (views: view\_login)

**profile**: This page is for a new customer to create a new account or for current logged in customer to edit their profile. New customer can not create a new account that has been exsited: they should have different account name or password.

Relative functions: function edit\_add\_profile()

(views: view\_profile)

**pay**: This page is for making payment. All items in shopping cart will be shown. So if customers do not want to buy any product in shopping cart, they should edit their shopping cart in shopping\_cart.php. In this page, customer can also see product detail by clicking the image or product name. To pay successfully, customer should give enough information. (views: view\_pay)

**place\_order**: If ordered successfully, customer will be redirect to this page. Their shopping cart will be empty after paying successfully.

(views: view\_place\_order)

**order\_history**: By clicking Order in customers' own account, they can see their order history. They can also see order detail by clicking on the order#.(views: view\_orderhis)

**OrderDetail**:This page is to show order detail for a certain order. (views: view\_OrderDetail)v

