

Database description:

There are 4 Tables: Products, ProductsCategory, SpecialSales, Users

1.Products:

ProductsID	type:int	size:11	unique
ProductsCategoryID	type:int	size:11	unique
ProductsName	type:char	size:1000	
ProductsDescription	type: char	size:1000	
ProductsPrice	type:int	size:11	

Foreign key:ProductsCategoryID in ProductsCategory

2.ProductsCategory:

ProductsCategoryID	type:int	size:11	unique
ProductsCategoryName	type:char	size:1000	
ProductsCategoryDescription	type:char	size:1000	

3.SpecialSales:

SpecialSalesID	type:int	size:11	unique
ProductsID	type:int	size:11	unique
StartDate	type:date		
EndDate	type:date		
discount	type:decimal(2,1)		

Foreign Key:ProductsID in Products

4.Users:

UserID	type:int	size:11	unique
UserName	type:char	size:45	
Password	type:char	size:45	
UserType	type:char	size:45	
Age	type:int	size:11	
Pay	type:int	size:11	

UserID 111 112 113 222 333
(111,112,113 are employees; 222 is manager; 333 is administrator)

Password xsw dgg dlh 456 123

Website Description: link:cs-server.usc.edu:1221 (usc google chrome)

login.php: It is an login page for users to type in UserID and password. These two text fields must be filled up before click on the submit button, otherwise users will stay in this page.

logintype.php: It is an check page to check the type of the user. Users will be sent to different page according to user type. Typing in incorrect UserID or password will make user stay on the login page. Login in time has also been recorded. Users will be sent back to the login page within 300s after login in. Users can also go back to the login page by clicking the “logout” button on their homepage. In addition, users will be sent back to login page if the user type is wrong. For example, manager can not see administrator’s homepage.

Admin.php: If the user type is Administrator, users will be sent to this page. Administrator can see all users information including administrator, employee(sales manager) and manager. Administrator and also edit, add or delete any users information by clicking buttons below the table.

add-edit-em.php: This is the page for Administrator to add or edit users information. Users type must be chosen from administrator, employee(sales manager) and manager. Once click the submit button, information will be updated and the new table will be shown, and user will be sent back to Admin.php. Rules: 1. UserID can’t be modified. If administrator would like to edit someone’s UserID, he/she must create a new user for this ID and then delete the old one. 2. UserID, Age and Pay must be numbers. Otherwise information will not be updated. 3. If UserID has already existed, new users with this ID will not be updated.

delete-em.php: This is the php page to process delete request in Admin.php. Here I use Ajax to realize this function. It means once the administrator click on the “delete” button on Admin.php, the relative information will be deleted and the table will be updated immediately, which made it dynamically.

Sale.php: This page is for sales managers(employees). They can add/edit/delete and information in three tables: Products, ProductsCategory and SpecialSales.

add-edit-cat.php, add-edit-pro.php, add-edit-spe.php: These three pages are for employees to add or edit information in Products, ProductsCategory and SpecialSales. Rules here are similar with those in add-edit-em.php. Since foreign keys have been set, actions that violate constraints of foreign keys will not be allowed. Product price must be numbers and discounts must within 0-1 and must be type:decimal(2,1) as shown in the database.

delete-em.cat, delete-em.pro, delete-em.spe: process delete request from Sale.php. Same as delete-em.php.

Manager.php: This page is for manager to see all information in database. They can also search information in this page.
For users: Managers can search by pay and user type. They can search for one or two criteria. ***search-em.php*** is responsible for this search function.

For Products: Managers can search by price and category(***search-pro.php***), or just search for a certain product(***pro.php***).

For SpecialSales: Managers can search by price(including discount) and category(***search-spe.php***), search for a certain product(***spen.php***), or search by special sales date(***sten.php***).