

PHP Trading website

By Mingfei Chen

I. Objective

The purpose of the project is to build an online trading application. This website allows customers to browse, select products, and then check out. It also allows users to register as sellers, to upload the information of their products, like price, image and descriptions.

It's an independent project.

II. Technology used:

PHP, JavaScript, Mongo DB, HTML 5, HTML Canvas, CSS 3, MySQL

III. Functions

URL link: <http://ec2-54-175-101-121.compute-1.amazonaws.com/module8/preLogin.php>

Part 1. User managements

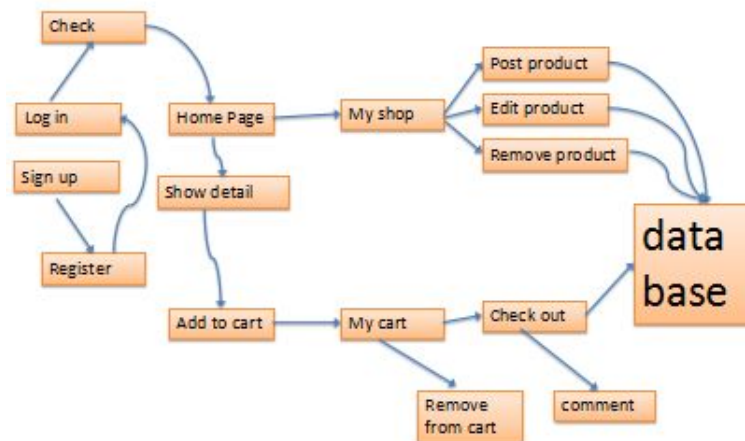
- Users can log into the site with a salted password and create account, user can choose to be seller or buyer.
- Sellers can only edit or remove his own product information, but not others.
- Sellers can only edit or remove his own comments, but not others.
- Users can log out, when log out, the session is denied.

Part 2. User functions

- Sellers can post, edit, delete product information for sell, including the name, price, description, category.
- Customers can filter products by category and rating
- Customers can buy products, money will be paid, and products will be stored in his/her own place.
- Customers can comment on the products, comments can be edited and removed.
- Both seller and customer have an account, seller's account will be added when a product is sold, buyer's account will be reduced when checkout.

IV. Implementation

- In database, set up tables to store the user information, product information, account information.
- Write PHP and JavaScript functions to track user actions, update the database,
- In the homepage, list the products in table, and add the filter functions. users can sort the products by categories, by price and by sales volumes.



Home Page

Select from the MySQL database and List in table:

- Product Name
- Product Image
- Product Price

3 hyper links:

- My shop (seller)
- My account (buyer)
- Product detail (buyer)



Product detail

Select all information of this product from MySQL database :

- Name
- Image
- Description
- Price
- Comments
- Category

2 hyper links:

- Add to cart
- Back to home page



Add to cart

Insert into table "cart" in MySQL database :

- Id of customer
- Id of product



My cart

Step 1. Find all the product id in the table "cart", filtered by the id of customer.

Step 2. Select products from the table "product" by ids above, from table "product" MySQL database, and list on webpage

- Product Name
- Product Image
- Product Price
- Seller name

2 hyper links:

- Check out
- Remove from cart



Check out

Update table "users" in MySQL database :

- Add the money into seller's account
- Reduce the money from customer's account

Insert into table "sellHistory" in MySQL database :

- Address of customer
- Telephone of customer
- Id of product

When above tasks completed, automatically direct to my cart page

My shop

Select products from the table "product" by seller id, from table "product" MySQL database, and list on webpage

- Product Name
- Product Image
- Product Price
- Seller name

3 hyper links:

- Post product
- Edit product
- Delete product



Post, edit , delete product

Step 1. Get the passing parameter: product id

Step 2. Insert, update, or delete column from table "product", filtered by product id.

Step 3. When above tasks completed, automatically direct to my shop page



Log out

Unset all the session variables

- Customer id
- Seller id

Direct to Log in page

