

# Shopping website

Final Report

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For

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## Introduction

I want to develop a shopping website. Some people want to sell used product, such as textbook, electronics, clothes, furniture, and so on. This is a platform for user who want to sell the product. Buyer can use this platform to find the cheaper products.

This is a platform for selling and buying product. Because new product is more expensive, buying used product can save money. For students, when they come to a new campus, they want to buy some furniture and textbooks. But, they do not want to buy new products, they could use this platform to find some furniture. When students graduate from college, they want to sell some furniture and textbook, they could use this platform. Another example, some people move in or move out a new place. They want to buy or sell some furniture. They could use this platform to sell. This is a good platform for transacting used product.

Therefore, I think transaction used product is popular. If you want to invest a platform for buying or selling used product. You can consider to invest this platform. This platform could be an e-commerce website. If your company want to want to find a platform to sell your own products, this is a good platform for selling product.

## Algorithms/Project Solution

In this website, I provide log in page, register page, manage account page, main page, product detail page, order page, add product page, modify product page, manage product page, order detail page, and history order page. User need to have an account. This account can be buyer and seller. User can use this account to buy or sell products.

### Function

- Register
- Add new product
- Update product
- Update user information
- Create an order
- Search history order

### Project page

Log in page for buyer and seller

- User uses account number and password to log in
- Connect to Register page

Register page for buyer and seller

- User inputs person's information to register an account

Manage account for buyer and seller

- User can modify the information such as password, name, address and so on.

Main Page for buyer

- Show the products
- A filter bar: It is used to filter the product
- In this page, show product name, one photo, product price

Product Detail page for buyer

- Show the product detail including product name, product description, price, all photos
- If the seller provides more than one pieces of product, buyer can input the number of products.
- User buys the product in this page.

Create order page for buyer

- Enter ship address

- Show expected delivery date

Add product page for seller

- User use this page to add new product

Mange selling product for seller

- Seller managers all selling products.
- Seller can modify the selling products.

Modify product page for seller

- User use this page to modify product

Show the order detail for buyer

- After buyer buys a product, it shows the order detail including product name, price, amount, shipping address, and so on.

History order for buyer

- Show the user's history orders.

## Database

### Customer table

- Account\_number
- Password
- First name
- Last name
- Email
- Phone
- Address
- City
- State
- Zipcode

Account\_number is a primary key.

### Product table

- Product\_id
- Product\_name
- Product\_description
- Product\_price
- Product\_amount
- Product\_type
- Account\_number

Product\_id is a primary key.

Acccount\_number is a foreign key. It is used to join customer table.

### Photo table

- Photo\_id
- Product\_id
- Path

Photo\_id is a primary key

Product\_id is a foreign key. It is used to join product table.

OrderDetail table

- Order\_id
- Account\_number
- Product\_id
- Amount
- Shipping\_address
- OrderDate
- DeliveryDate

Order\_id is a primary key.

Account\_number and Product\_id are foreign key. Account\_number is used to join customer table. Product\_id is used to join producttable.

## Implementation

- Bootstrap
- CSS
- JQuery
- PHP
- JavaScript
- MySQL

I use MacBook pro to develop this website. For user interface, I use Bootstrap, CSS and JQuery. For main function, I use PHP and JavaScript. MySQL is my database server.

## Schedule

### Week 2

- Project document
- Design database

### Week 3:

- Register page
- Login page

### Week 4:

- Manage account page
- Main page

### Week 5:

- Main page

### Week 6

- Product detail page
- Create order page

### Week 7

- Create order page
- Process Order

### Week 8

- Add product page
- Modify product page

### Week 9

- Buyer History order page

### Week 10

- Test

### Week 11

- Demo

## Results

### Problem 1

After logging into the website, other pages do not know which user is logging in.

Solution:

Use cookie to store the login user. When user connect to another page, it can use cookie to know which user is logging into the system.

### Problem 2

On the manage user page, it needs to put user information in the form.

Solution:

Create the form and use PHP to get user information from database. Use PHP to put data in the form.

```
<div class="form-group">
    <label>First Name</label>
    <input type="text" class="form-control" name='f_name' value=<?php echo $firstName;?>>
</div>

<div class="form-group">
    <label>Last Name</label>
    <input type="text" class="form-control" name='l_name' value=<?php echo $lastName;?>>
</div>
```

### Problem 3

In the search product table, it prints five products on one page. If there are not enough five products on the last page, it will print the null rows in the table.

Solution:

If there are not enough five products on the last page, the null rows will be hidden. For example, if there are eight products, it will show three products and hide the last two rows on the second page.

### Problem 4

Because user can post many photos for each product, it needs to set up a photo to show in the search product table. But, the system does not know which photo needs to show in the search product table.

Solution:

When user adds the products, it needs to upload photos in two places. In the first place, it just uploads one photo that is showed in the search product table. In the second place, it can upload many photos.

### Problem 5

In the Product\_Detail page, after user submits “buy button”, it will connect to the “create order page”. But, on this page, it does not know which product the user wants to buy.

#### Solution:

It uses URL to submit the parameter.

### Problem 6

On the Product\_Detail page, it does not know which product needs to be shown on this page.

#### Solution:

It uses URL to set up a parameter. For example, if the URL is “localhost/Shoppping/Product\_detail.php?id=10”, it will show the product 10 on this page.

### Problem 7

If user buys the product, user inputs the amount that is more than seller sells.

#### Solution:

If user inputs amount is too many, it will lock the submit order button.

A screenshot of a web application interface. At the top, there is a table with two rows. The first row has two columns: 'product Price' with the value '\$55.20' and 'Remaining Amount' with the value '2'. Below the table is a horizontal input field labeled 'Buying amount' containing the number '4'. To the right of this field is a red error message: 'Exceed the max amount!'. At the bottom of the form is a blue 'Buy' button.

### Problem 8

If user uploads the files that are not image type, these files are not allowed. For example, if user uploads a file that is pptx it cannot show on this website.

#### Solution:

At first lock the submit button. User needs to check the upload file type. If the uploads are image types, it will un-lock the submit button. Otherwise, user needs to upload correct files.

A screenshot of a file upload interface. At the top, there is a 'Main Photo' section with a 'Choose File' button and a file name 's-1640.jpg'. Below it is an 'Addition Photos' section with a 'Choose Files' button and a file name 'Final Exam Rev...9-13\_ (1).pptx'. To the right of these buttons is a link 'Check Upload File Type'. A modal dialog box is displayed in the center, titled 'localhost says'. It contains the message 'Your upload files are not suitable. Please use (.png,.jpg,.jpeg.)'. There is an 'OK' button at the bottom right of the dialog.

# Appendices

## A: Status Reports

### Week2(0525-0531)

- Current Activities: I am working on document and database.

### Week3(0601-0607)

- Accomplishments: Document and database
- Current Activities: I am working on log in page and register page.
- Challenges: How to make other pages know which user is logging into system.

### Week4(0608-0614)

- Accomplishments: Document, database, log in page and register page.
- Current Activities: I am working on manager account page and part of main page.
- Challenges: How to put user information into manager account page.

### Week5(0615-0621)

- Accomplishments: Document, database, log in page, register page, manage account page and part of main page.
- Current Activities: I am working on main page.
- Challenges: I show five products in one page. If there are more than five products, the remaining products are put in next page. If the last page is not enough five products, it will show null rows. For example, if there are eight products, in the second page, there are only three products. It will show two null rows. Make user can set up a default photo that is used to show on the main page.

### Week6(0622-0628)

- Accomplishments: Document, database, log in page, register page, manage account page and main page.
- Current Activities: I am working on product detail page and create order page.
- Challenges: How to use URL to send parameter.

### Week7(0629-0705)

- Accomplishments: Document, database, log in page, register page, manage account page main page, product detail page and part of create order page.
- Current Activities: I am working on create order page and function of processing order. I modify the function of calculating the tax rate.
- Challenges: How to prevent user input the amount that is more than sellers provides.

### Week8(0706-0712)

- Accomplishments: Document, database, log in page, register page, manage account page main page, product detail page and create order page.
- Current Activities: I am working on add product page and modify product page.

- Challenges: How to verify the image. If user upload the file that is not image, it needs to forbid user submit the form.

#### Week9(0713-0719)

- Accomplishments: Document, database, log in page, register page, manage account page main page, product detail page, create order page, add product page and modify product page.
- Current Activities: I am working on history order page.

#### Week10(0720-0726)

- Accomplishments: Document, database, log in page, register page, manage account page main page, product detail page, create order page, add product page, modify product page, and history order page.
- Current Activities: I am working on testing the whole system.

#### Week 11(0727-0731)

- Accomplishments: Document, database, log in page, register page, manage account page main page, product detail page, create order page, add product page, modify product page, and history order page.
- Current Activities: I am working on writing the final document.

### B: Software Configuration

It needs to connect to database. It can use the file called “connect.php” to set up the database information. After setting up the database, it can use this website.

### C: User’s Manual

The first page is index.html. User can log in or connect to the register page. After user logs in to this website, user can see all products. It can use a drop-down menu to filter the different types of products. If user looks up an interesting product, it can click the product name to see more information. After that, it connects to the “Product\_detail” page. On the “Product\_detail” page, user can see all information that seller posts. If user wants to buy this product, it can input the amount, then clicks “buy button”. After user clicks buy button, it connects to “createsorder” page. On the “createsorder” page, user can input shipping information and payment information. After inputting this information, it can submit the order. There is a navigation bar on the top of each page. User can use some additional functions such as modify account information, add products, modify products, and view history orders.

#### Log in

## Yang' Shopping Website

Account Number

ccheng2019

Password

\*\*\*\*\*

[Submit](#)

[Registration](#)

## Buy a product

First step: Look up product. It can use drop-down menu to filter other type products.

Home Add New product Manage my product My order Manage account Log out

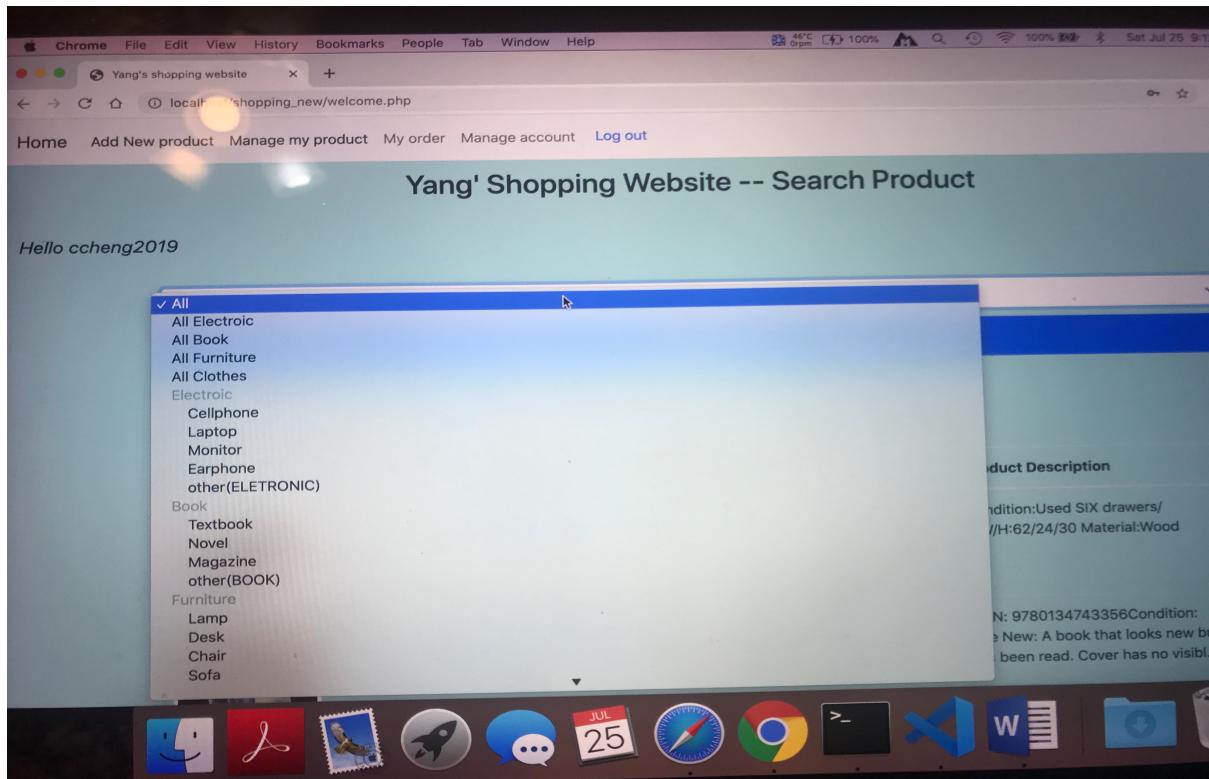
### Yang' Shopping Website -- Search Product

Hello ccheng2019

All

Search

Image	Product Name	Product Price	Product Description
	<a href="#">Collection Black Opal File Desk</a>	500.00	Condition:Used SIX drawers/ L/W/H:62/24/30 Material:Wood
	<a href="#">Java How to Program, Early Objects by Harvey Deitel and Paul Deitel</a>	55.20	ISBN: 9780134743356 Condition: Like New: A book that looks new but has been read. Cover has no visibl...



Second step: Select an interesting product. It connects to the product detail page. It can input the amount. After that, it can click the buy button.

A screenshot of a product detail page titled "Buy the Product". The page shows a table with product information: Product Name (Collection Black Opal File Desk), product Description (Condition:Used SIX drawers/ L/W/H:62/24/30 Material:Wood), product Price (\$500.00), and Remaining Amount (1). Below the table, there is a "Buying amount" input field containing the value "1" and a blue "Buy" button. To the left of the input field is a small image of a black desk with a logo below it.

Third step: Input shipping information and payment information.

## Buy the Product

Product Name	Collection Black Opal File Desk
product Price	\$500.00
Amount	1
Total Price	Item : \$ 500 Tax : \$ 32.5 <b>Total : \$ 532.5</b>

Oredr Name

Chris Cheng

Oredr Email

ccheng2019@my.fit.edu

Oredr Phone

3214021293

### Shipping Address

Address

1931 CLEVELAND ST NE

City

PALM BAY

State

Florida

ZipCode

32905

### Payment

Credit Card Holder

Credit Card Number

Security Code

Expiration Date(MM/YY)

07/18

Validation Payment

Buy

### Fourth step: Show shipping information

LINCOND

State

Maryland

ZipCode

63424

### Payment

Your order is created. You will delivery your package on  
2020-08-05

Close

Credit Card Holder

Bob Lin

Credit Card Number

1234567899990012

Security Code

321

Expiration Date(MM/YY)

01/24

Validation Payment

Buy

## Manage account:

User can modify account information at this page.

[Home](#) [Add New product](#) [Manage my product](#) [My order](#) [Manage account](#) [Log out](#)

### Yang' Shopping Website -- Manage your profile

Hello! John123

New Password

New Verify Password

First Name

Last Name

Email address

Phone

Address

City

State

Zip

[Modify](#)

## Add product:

Sellers can enter this form to upload a product.

Seller needs to check the upload file before submitting this form.

If the upload files are not image, it cannot submit this form.

Home Add New product Manage my product My order Manage account Log out

### Yang' Shopping Website -- Upload your product!

Main Photo Choose File s-l1600-11.jpg

Addition Photos Choose Files 5 files Check Upload File Type

Product Name  
Samsung 28 U28E590D 4K (3840x2160) resolution UHD Computer Monitor - free ship

Product Description  
All product is used. Equipment is NOT refurbished. Each unit comes with 30 day warranty, Pictures are of actual equipment. Items will have scratches,

Product Price  
130.22

Product Amount  
1

Type  
Monitor

**Upload**

## Check the upload file type

Home Add New product Manage my product My order Manage account Log out

### Yang' Shopping Website -- Upload your product!

Main Photo Choose File s-l1600-11.jpg

Addition Photos Choose Files 5 files Check Upload File Type

Product Name  
Samsung 28 U28E590D 4K (3840x2160) resolution UHD Computer Monitor - free ship

Your upload file are suitable!

Product Description  
All product is used. Equipment is NOT refurbished. Each unit comes with 30 day warranty, Pictures are of actual equipment. Items will have scratches,

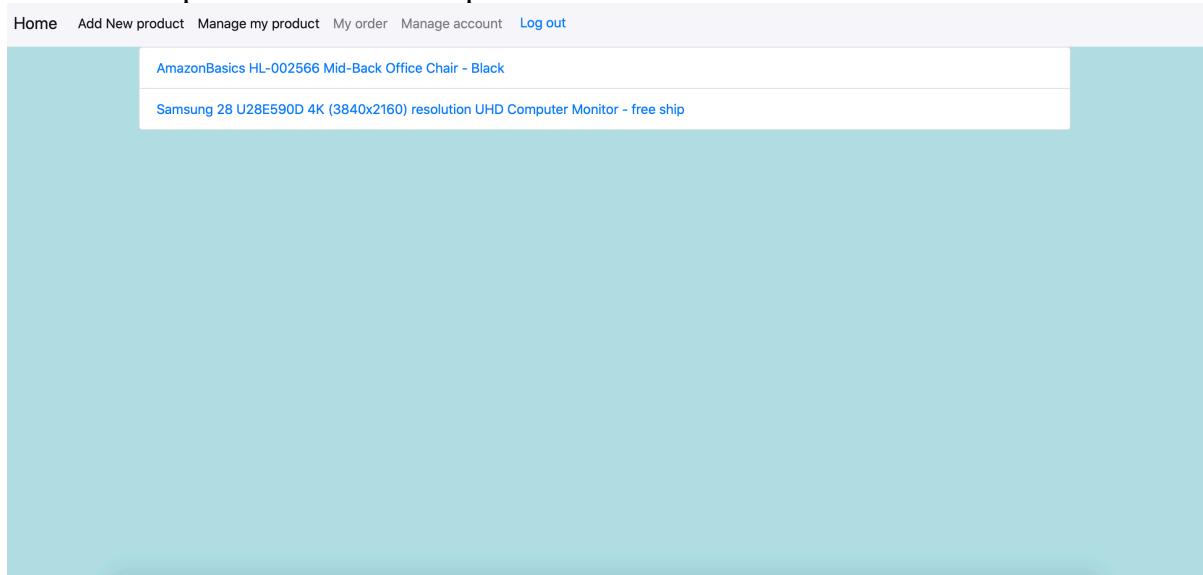
Product Price  
130.22

Product Amount  
1

Type  
Monitor

**Upload**

Modify the product:  
It shows all products that seller provides.



After clicking the product, it connects to “modify page”

A screenshot of a product modification form titled "Yang' Shopping Website -- Upload your product!". The form includes fields for Product Name (AmazonBasics HL-002566 Mid-Back Office Chair - Black), Product Description (Functions as intended. Does not appear to have been used. (2) arms (1) seat (1) back (1) hardware set (1) hydraulic stand (5) wheels (1) base (1) lever.), Product Price (80.45), Product Amount (1), Type (Chair), and Status (Open). A blue "Upload" button is located at the bottom left of the form.

Home Add New product Manage my product My order Manage account Log out

### Yang' Shopping Website -- Upload your product!

Product Name

AmazonBasics HL-002566 Mid-Back Office Chair - Black

Product Description

Functions as intended. Does not appear to have been used. (2) arms (1) seat (1) back (1) hardware set (1) hydraulic stand (5) wheels (1) base (1) lever.

Product Price

80.45

Product Amount

1

Type

Chair

Status

Open

Upload

## History order:

It shows all orders. User can click product name to connect “product\_detail” page.

Order History					
Product Name	Price	Shipping Addresss	Order Date	Delivery Date	Action
<a href="#">Honeywell HT-900 TurboForce Air Circulator Fan Black</a>	14.92	3213 MALABA ST LINCOND ,MD	2020-07-25	2020-08-04	
<a href="#">HeadPhone</a>	129.99	3213 MALABA ST LINCOND ,GA	2020-07-25	2020-08-04	
<a href="#">Java How to Program, Early Objects by Harvey Deitel and Paul Deitel</a>	55.20	3213 MALABA ST LINCOND ,MD	2020-07-26	2020-08-05	

## D: Source Code

I put in the attachment.