

Document Notes:

This assignment should be the continuous work based on your assignment1&2.

Work Package 3: create the dynamic content with PHP and JavaScript

Objectives:

1. Practice PHP + JavaScript;
2. Use PHP to process the submitted data from a form
3. Use PHP to create sessions and pass data between pages
4. Ajax (option)
5. Complete the whole online store site.

Work Items:

1. Back end functions. The webpages are required for the following functions. This is to practice form data processing. This is the admin role function.
 - i) Add/edit/delete a product
 - ii) Add/edit/delete a user
 - iii) Add/edit/delete an order
2. Front end function:
 - 1) Login page. This is for the users to log in and go to back end if the role is an admin.
 - 2) Sign up page. Generate a new user and store the user info in an file (the same as used in work item 1).
3. Shopping cart: the user is able to add products into the shopping cart. The use is able to display the content of the shopping cart and edit the quantity of the products or delete a product.

Deliverables:

1. Submit the complete website (The student who take care of the hosting should submit the your group project on Moodle)
2. Host website (submit a readme text file to indicate the details of the hosting).
3. An excel sheet to record the responsible students for each task (please complete the attached excel file and submit it with your project.)

Deadline: See Moodle for the specific date.

Description of Work Item 1: Back store functions

1) Add/edit/delete a product

We use “add product page” as an example. The other pages should be designed in a similar way. The “add product page” is a form. You enter the product information. Let’s say you are defining a new product XYZ. The “add” button submits the form data to the sever php program addProduct.php. Your program addProduct.php writes the product info to a file.

Save all your products info into the same created file. Basically, you use this file as your database to store the product info. Write a php program to display a product page when it is queried. It can be based on the product unique id, e.g. id = 001.

“Edit product page” is similar like the Add page, that you read the product info from the file and generate the page with all the info displayed. The user can change the product information and submit the data to be stored/updated in the file.

“Delete product” is done in a product listing page. You can delete the product info from the file.

2) The other backend functions like “Add/edit/delete a user” and “Add/edit/delete an order” are similar as described in 1).

Description of Work Item 2: Front store function for the user login:

1) Login page. The UI is simple, the user name and the password. It is a form. After a user login in and he/she has an admin role, display a page to show product list. And design this product list page to link to all the back end functions.

2) Sign up page. Generate a new user and save the user info in a file (the same as used in work item 1).

Description of Work Item 3: Program a shopping cart

When an “add to cart” button is clicked throughout the site, the item is added to the cart. It is handled by a PHP program at the server side. At the front end, you may need to use JavaScript to allow the user edit the cart item. And the changes will be sent back to server side and saved. You can use session variables to pass the values.

Task Allocations:

You should stay in the same group to complete this assignment. If there are any changes of your group members, you must inform your marker before the submission.

Please note:

1. A mark will be given to each individual student, not to the group based on the performance.
2. All the team members should present and demonstrate their own work during the demo. If one (or more members) are missing during the demo, which affects the other members' work, you may lose points for the missing member(s).
3. Please change a team member to host your website for the demo.
4. Please make sure all the required functions/features in the items P1-12 that you are responsible for works well in the demo.
5. Your team should present a complete website with all the required functions/features regardless of the number of teammates in this demo.

Grading Scheme

Items	Marks
P1	
Complete the "Contact Us" to let the user submit a form (userName, itemName, order number (format #12345AB), questions) . Validate with proper responds whether it is an existing user. If yes, show the current order details (items ordered); if not, it should link to the sign-up page.	7pts
P2	
Complete the "weekly deal" part that includes all the listed items with a discount price shown in P3. The item should be removed if the price change back to normal price.	7pts
P3	
Complete the "Add to cart" button to add the items and save the info for current customer. Make sure all the link to "More description" page work well and the updated info is connected with P8/P9.	7pts
P4	
Display the summary of number/ QST / GST / total of all the items in the shopping cart. The price should change automatically when any changes are made in the shopping cart.	7pts
P5	
Proper sign-in response pages/msg for non-existence, existing user and administrator (name: admin, password: admin)	7pts
P6	

Complete the "submit" button for sign-up including validation and saving the info into the file in a proper format.	7pts
P7	
Complete the button "add" (link to P8)/ "delete"/"edit" for only admin role, who have access to the back store, add/delete a product.	7pts
P8	
Complete the button "update"/"edit" of a product, which should be updated in P7. The product list should be updated in P2/P3.	7pts
P9	
Complete the button "add" (link to P10)/ "delete"/"edit" for only admin role, who have access to the back store, add/delete a user. Make sure if a user if deleted, he/she cannot login any more.	7pts
P10	
Complete the button "update"/"edit" of a user, which should be updated in P9. After the user's info has been updated, he/she can login properly.	7pts
P11	
Complete the button "add" (link to P12)/ "delete"/"edit" for only admin role, who have access to the back store, add/delete an order.	7pts
P12	
Complete the button "update"/"edit" of an order, which should be updated in P11. After the user's order has been updated, an email should be sent to the user for confirmation.	7pts
Web Hosting	
Use a local server (e.g. one of your team member' computer) to present the work. The server should be set up properly.	Required for each group
The following points will be given to each group member based on the criteria.	
User Interface Design	2 pts
reasonable design/organization, user-friendly interface (webpages) Consistent style of homepage with other webpages (both head and foot parts)	
Code Quality	2 pts
running code, no bugs/errors, documented code, code organization/structure, clarity/completeness/accuracy	
Folder Organization	2 pts
subfolders, file naming	
The following points will be given to the group based on the criteria	
Presentation*	5 pts
* The presentation is during our last class session (April 20). All team members are required to be present. Each group has 3mins to present your website. Choose one team member to do the presentation. Make sure your website can be hosted well and your presentation should focus on features/design/functionality.	
Total: 25 pts (= 7+7+6+5) /per student	