University of Macau

Faculty of Science and Technology

Department of Computer and Information Science

CISC3003 (2023-2 001)

Web Programming

Individual Project-Shopping Cart System

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Abstract:

The Shopping Cart System is a web-based application with the responsive web design that enables users to browse, select, and purchase products online. Built using PHP PDO and MySQL database, it ensures secure and efficient data handling. Leveraging PHP PDO, the system establishes a secure connection to the MySQL database, protecting against SQL injection attacks. It offers essential features including a product catalog display, shopping cart management, secure checkout process, order history viewing, and user authentication. With its user-friendly interface and robust backend architecture, the system provides a seamless shopping experience for users while ensuring data integrity and security. Moreover, it provides the add product function for merchants.

Project List of Services:

1.Add products into database.
2.Access products in database and show it on the website.
3.Generate an order and upload into database and show on the website.
4.Empty or delete orders.
5.Delete the ticket from shopping cart.
6.Check the user detail to the order.

Project List of Tasks:

1.Create the Shopping Cart Interface: This task creates an interface for managing shopping carts, such as adding/removing tickets, empty tickets.

2.Create the All-Product Interface: This task creates an interface for users to see products efficiently, including products, add to cart and buy.

3.Create the Order Interface: This task create interface for user to check order and its details.

4.Create the Bill Interface: This task create interface for user to input their address, payment, and email etc.

5.Create the Add Product Interface: This task create interface for merchants to add new products to the database, such as product name, price, and picture.

Project Accomplishments:

GitHub link: https://github.com/F0ste/CISC3003-IndividualWork-ProjectAssignment
1.alert.php: Tips to user when error appends.
2.connect.php: Connect to database.
3.header.php: The global header.
4.style.css: The global style.

5.script.js: Check input.
6.add_product.php: Add product to database.
7.checkout.php: Bill for user.
8.orders.php: Order for user to view.
9.shopping_cart.php: Shopping cart.
10.view_order.php: View order.
11.view_products.php: View products.
12.shop_db.sql: Database document and setup.

Project Incomplete:

Lack of the design of the account system.

Personal Assessment based on the Rubric:

DC125135 CHEN PENGYU	Raw Score Assigned	Raw Score Earned
Project Walkthrough Example Brief (at least 3 A4 pages but no more than 6 pages; -2 points for Brief below three A4 pages or exceeding six A4 pages)	5	5
Project Walkthrough PPT (based on the videos of presentation not more than 20 slides; -2 points for PPT below 10 slides, or exceeding 20 slides; ZERO for no PPT submitted)	5	5
Project Deliverables (5 points for working HTML/CSS/JS/jQuery/PHP/ coding + 5 points for screen images captured from successful test-run + 5 points for media queries to enable responsive design; ZERO for not working coding, ZERO for no screens captured for successful test-run, and ZERO for not supporting mobile first, responsive web design)	15	15
Project Archive (5 points for zip file of the Eclipse workspace, including all related Web project files, 5 points for readme file, and 5 points for screen shots) plus a project (public access) GitHub link for easy reference (10 points)	25	25
Project Report - Abstract (200 words; -3 points for below 100 words, or for exceeding 200 words)	5	5
Project Report - Project List of Services (ZERO for no list of project services given)	5	5
Project Report - Project List of Tasks (ZERO for no individual tasks provided)	10	10
Project Report - Project Accomplishments (-5 for no list of project accomplishments provided, including HTML/CSS/JS/jQuery/PHP/SQL files/media queries)	5	5
Project Report - Project Incomplete - What have not been done! (-5 for no concise conclusion of what has not been accomplished)	5	5

Project Presentation Video (no more than 15 minutes: -5 points if no presentation video is provided)	5	5
Project Self-Assessment Rubric (5 points) + Personal Assessment based on the Rubric (5 points); -5 points if no such rubric provided in the report; -5 points if no self-assessment is done in the project archive (Word document)	10	10

Total Score
  • -95 points for no individual submission from submission link
  • -10 points if project is not completed as a full-stack Web application (covering both front-end Web design and backend Web application development)
  • -10 points if project does not include screen shots to properly prove the working of the system services.
	95	95

Semester Score (10-point scale) Part 2 of 2 in Project Assignment	10	10
100 Scale	100	100
Classification on Quality of Work	Good	