**University of Macau**

**Faculty of Science and Technology**



**CISC3003: Web Programming**

*Simple Shopping Cart System*

*by*

*Ao Chi Lam DC025027*

## Introduction

Welcome to our shopping cart system, where we aim to revolutionize your shopping experience. We have created a flawless and entertaining experience for our esteemed clients using our platform.

The primary goal of our shopping cart system is to provide a seamless and enjoyable shopping experience for our customers. Our platform provides a convenient and user-friendly way for you to explore, select, and purchase products from our extensive catalogue.

Our shopping cart system is very easy to use. You can quickly search for specific goods, browse through a variety of categories, and compare features and pricing thanks to our user-friendly design. You may add items to your basket and start the safe checkout procedure with only a few clicks.

Join us today and embark on a seamless and enjoyable shopping experience like never before.

## Project List of Services

1. Efficient Purchase Process: Our shopping cart system is very easy to use. You can quickly search for specific goods, browse through a variety of categories, and compare features and pricing thanks to our user-friendly design. You may add items to your basket and start the safe checkout procedure with only a few clicks.

2. Ease of Adding Products: After clients have finished choosing their items, our shopping cart system leads them through an easy checkout procedure. Our goal is to eliminate needless stages and guarantee a seamless, effective experience.

3. Transparent Cart Management: Customers are given complete control and transparency over the contents of their carts via our shopping cart system. Customers may quickly evaluate and manage the goods they have added on the cart page.

## Project List of Tasks

1. Database Design: Create a database schema using PHPMyAdmin to store information related to carts, orders, and products.

2. Cart Management: Implement functionality to allow users to add products to their carts, update quantities, and remove items. Store cart data in the database and provide appropriate CRUD (Create, Read, Update, Delete) operations.

3. Product Management: Develop features for adding, editing, and deleting products. Implement validation to ensure data integrity and handle image uploads for product thumbnails.

4. Checkout Process: Design and implement a smooth and user-friendly checkout process. Allow users to review their cart, provide shipping and billing information, and choose payment options. Handle the transaction securely and generate order records in the database.

5. Order Management: Develop functionality to manage orders, including displaying order history, tracking shipments, and generating invoices. Implement features to update order statuses and handle cancellations or returns.

6. Front-end Development: Use HTML, CSS, and JavaScript to create an appealing and responsive user interface. Design layouts for product listings, cart views, and checkout forms. Apply CSS styling and enhance user experience with interactive features using JavaScript.

## Project Accomplishments

| | |
|---|---|
| 1. Add Product | Complete |
| a) PHP & JS for backend connection <br> b) HTML and CSS for page design | |
| 2. View Products | Complete |
| a) PHP for backend connection, automatic update of products information <br> b) HTML and CSS for page design | |
| 3. My Orders | |

| | |
|---|---|
| a) HTML and CSS for page design for view orders<br>b) PHP for backend connection<br>c) "In progress" statues change to "canceled" status | Complete |
| 4. Cart<br><br>a) PhP for backend connection, automatic update of the item is cart from DB<br>b) HTML and CSS for page design | Complete |
| 8. Database service<br><br>a) Backend for add product<br>b) Backend for cart function<br>c) Backend for view orders | Complete |

## Personal Assessment based on the Rubric

**CISC3003 Assessment Rubric for Semester Project - Part 2**

| DC025027 and Ao Chi Lam | 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 | 15 | 15 |

| | | |
|---|---|---|
| for no screens captured for successful test-run, and ZERO for not supporting mobile first, responsive web design) | | |
| 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<br><br>• -95 points for no individual submission from submission link<br>• -10 points if project is not completed as a full-stack Web application (covering both front-end Web design and backend Web application development)<br>• -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 | 200 |
| Classification on Quality of Work | | |