

# **Report of the semester project**

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## Part 1. Abstract

This report introduces the design and development of an online shopping cart system specifically tailored for a mobile phone market. The objective of the project was to create a user-friendly platform that allows customers to browse and purchase mobile phones through a seamless web interface. The system incorporates key features such as comprehensive product catalog, a shopping cart functionality, payment processing and order management. I followed a well-organized approach, including requirements gathering, design, development, testing, deployment, and documentation. The system was successfully implemented, providing a responsive design optimized for mobile devices. The report highlights the project goals, key features, deliverables, timeline, team structure, budget, and stakeholders involved. The findings also discuss the objectives that we have failed to achieve. Overall, the developed online shopping cart system offers me a precious experience in full-stack web development.

## Part 2. List of Services

1. Online browsing available phone models.
2. Shopping cart function including adding and removing.

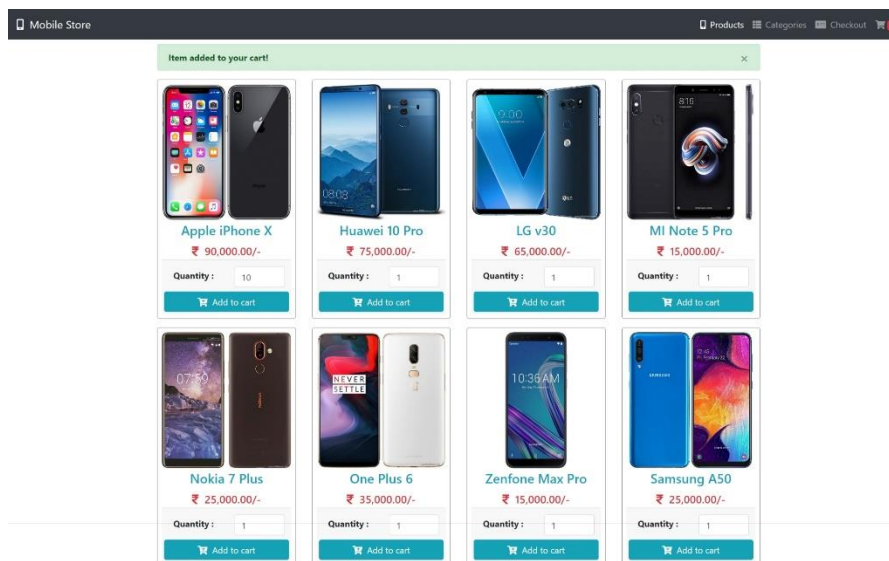
3. Check-out and complete order.
4. Purchase confirmation function.
5. Back-end order viewing and processing through database.
6. Responsive design for mobile user.

## Part 3. List of Tasks

1. Implementation of PHP based front-end with Bootstrap4.
2. Implementation based back-end with jQuery Ajax and MySQLi plugins.
3. Database design and implementation with MySQL.
4. Responsive CSS design.

## Part 4. List of Accomplishments

1. Successful implementation of front-end and back-end PHP code.



Mobile Store
Products
Categories
Checkout
1

Complete your order!

Product(s) : Apple iPhone X(10)  
Delivery Charge : Free  
**Total Amount Payable : 900,000.00/-**

Liu Yuchen  
2260708834@qq.com  
8523870981  
university of macau  
nlp2ct

Select Payment Mode  
Cash On Delivery

Place Order

Mobile Store
Products
Categories
Checkout
1

Thank You!

Your Order Placed Successfully!

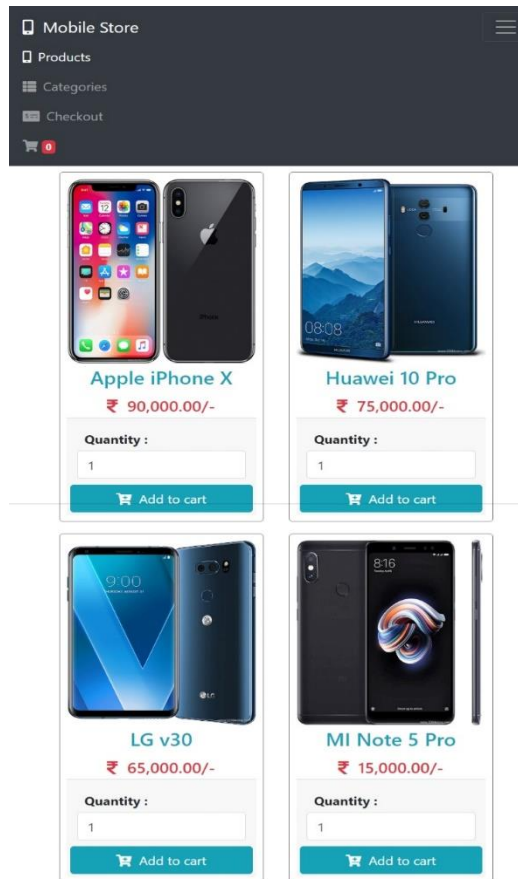
Items Purchased : Apple iPhone X(10)

Your Name : Liu Yuchen  
Your E-mail : 2260708834@qq.com  
Your Phone : 8523870981  
Total Amount Paid : 900,000.00  
Payment Mode : cod

- Successful implementation of MySQL database and saved script to set up the database.

id	name	email	phone	address	pmode	products	amount_paid
12	Liu Yuchen	2260708834@qq.com	8523870981	university of maca...	cod	Apple iPhone X(1)	90000
13	Liu Yuchen	2260708834@qq.com	18523870981	university of maca...	cards	Apple iPhone X(9)	810000
14	Liu Yuchen	2260708834@qq.com	8523870981	university of maca...	cod	Apple iPhone X(10)	900000

- Successful implementation of Responsive design.



## Part 4. List of Accomplishments

1. No log-in and sign-up system implemented.
2. Administrator cannot access the customers' order from front-end.