



KULLIYAH OF INFORMATION AND COMMUNICATION TECHNOLOGY

INFO 3305 WEB APPLICATION DEVELOPMENT

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SECTION 2

MOBILE PHONE ONLINE SHOPPING SYSTEM

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1. Introduction

A mobile phone online shopping system is a system where users can check and buy smartphones online in a reliable and trustworthy platform. Normal online shopping apps such as Lazada and Amazon.com also sometimes can serve this purpose. However, there are times where such needs cannot be fulfilled due to scamming sellers or lack of information on the apps which leads to a wrong decision made by the buyer. Using our own personalized mitigate these drawbacks and help our clients to make better and more personalized choices.

2. Problem Statement

Purchasing a mobile phone at the shop requires a lot of time and energy. And if the desired phone is not available at the current shop, the customer needs to go to another shop to find it. Sometimes, when a new mobile phone comes out in the market, it will not really be available at the shop on the same day it comes out.

3. Objective Project

- a. To create a shopping hub specialized in purchasing mobile phone
- b. Update new information for brand new release phone
- c. Provide a reliable platform to buy smartphones with optimized specifications for each user.

4. Targeted Users

Buyer- people who like to buy a new phone

Seller - people who like to sell phone

5. Scope of Project

_____Buyer scope

- Can view the phone
- Have the privilege to add phone to cart

Seller

- Add, delete or update phone information
- Update database of phone

6. Specific Platform

Front-end- HTML, CSS, JavaScript, JQuery, Java Server Pages (JSPs)

Back-end - Java Servlets, Java Models

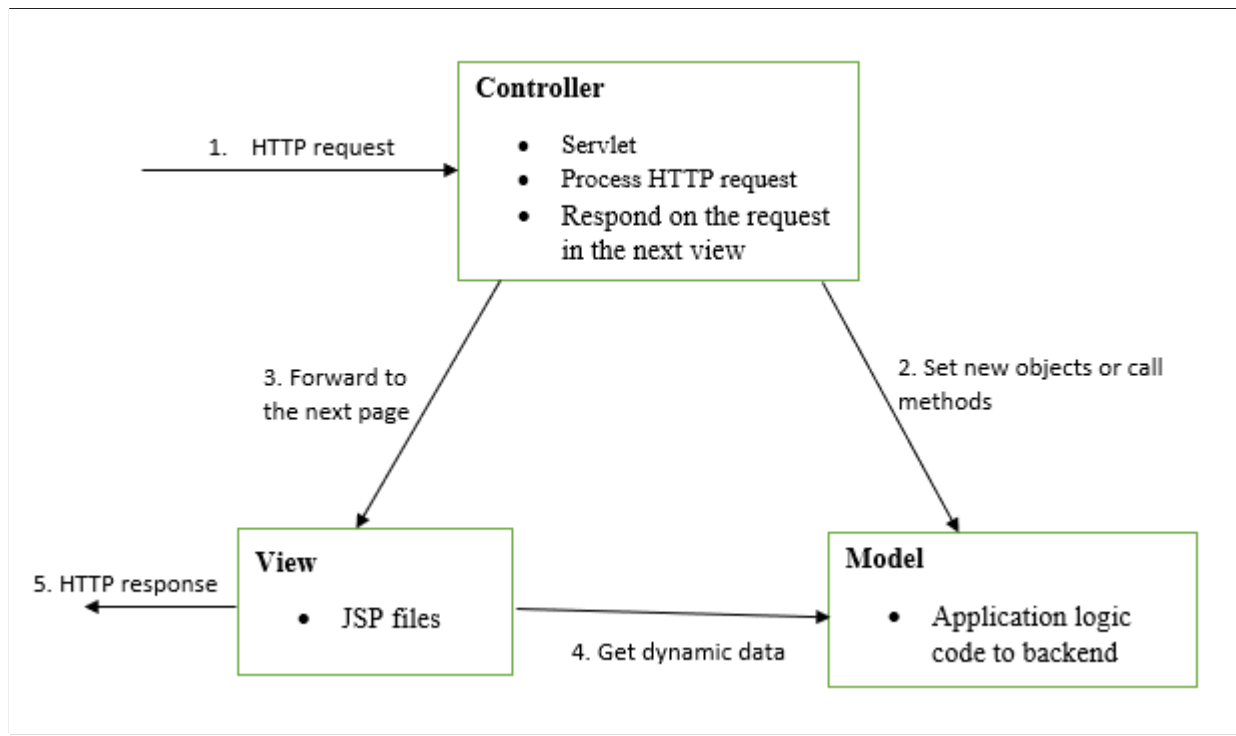
Database- MySQL database: for information storage and retrieval.

Connector - MySQL JConnector

7. Features and Functionalities

- Save the customer's information into the database.
- View the specification (include the price) of the desired mobile phone.
- Add and drop items in the shopping cart.
- Display items in the shopping cart.
- Purchase items in the shopping cart.
- Notify customers regarding their orders.

8. Model, View, and Controller



Model

_____The base component of the diagram. It is the application's dynamic data structure, out of the user interface. It manages the data, logic, and rule of the application. HTML is the body of the content. Text that communicates information to the readers.

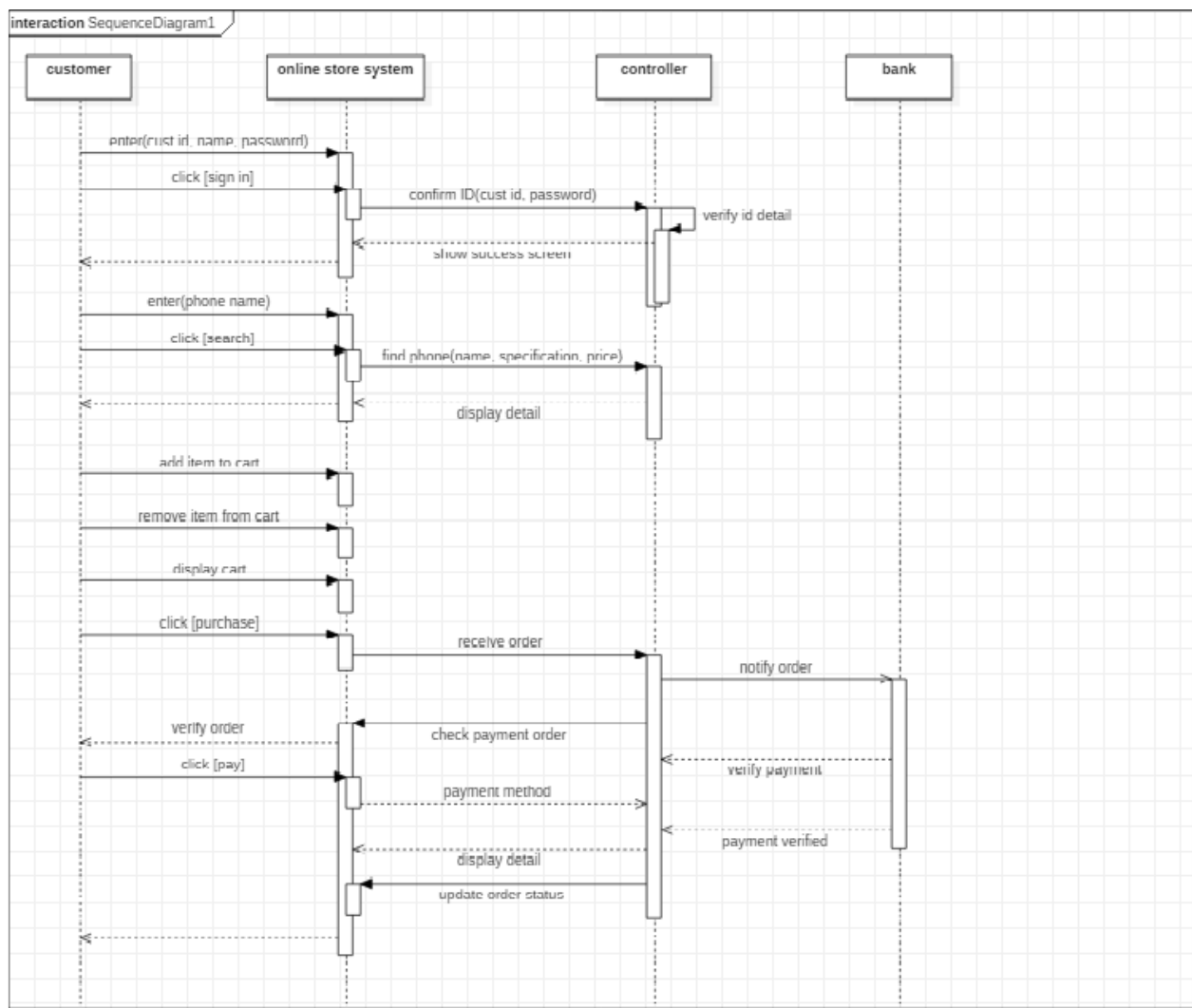
View

Any depiction of information such as chart, diagram, or table. Multiple views of the same information are possible. The CSS adds visual style to the content to be more presentable. Can change the style of representation through CSS without affecting the original content.

Controller

Obtain input and convert it into commands for the model and view. Gather input from the customers and arrange it to any JavaScript code required for the page to function.

9. Sequence Diagram



This is the sequence diagram for Mobile Phone Online Shopping where the customers will be able to sign in their account using their customer ID and password. After sign in, the customer can manage all the operations on the platform such as search for desired mobile phone, add and drop items(mobile phone) in the shopping cart and purchase the items. The diagram above helps demonstrate how the sign-in page works in the Online Shopping system. The customers will not be able to access this page without verifying their identity.

