DESIGNING A WEB SITE FOR PHONES SALE SHOP

A PROPOSAL PRESENTED BY

P.M.K.MADHUSHANKA
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CHAPTER 1

INTRODUCTION

Regardless of size, most companies these days use websites to market and expand their product ranges and brands. In order to complete this work, I created a website for an phone store that would enable it to accomplish its objectives and allow users to more easily and precisely access new updates, orders, order data, and many more features.

The phone store is called "Phone Shop," and it does not have a physical location. It is a newly formed small business targeting a specific customer. Therefore, the owner wants to use the website to conduct online business.

1.1   PROBLEM STATEMENT

Managing phone sales manually can lead to errors, inventory mismanagement, and inefficiency. A digital platform can streamline phone sales, enhance customer experience, and improve operational efficiency.

1.2   FUNCTIONAL REQUIREMENT AND OBJECTIVE

- Online and offline sales management
- Inventory tracking system to monitor stock levels
- Billing & invoicing system for generating receipts
- User management for customers and admin staff
- Reports & analytics to track sales trends

CHAPTER 2

LITERATURE REVIEW AND STUDY OF SIMILAR APPLICATIONS

2.1   LITERATURE REVIEW

- Existing point-of-sale (POS) systems
- Cloud-based retail management solutions
- Mobile commerce platforms for phone sales

2.2   STUDY OF SIMILAR APPLICATIONS

- POS Systems
- E-commerce Solutions
- Mobile Retail Management Software for tracking sales

2.3   MOTIVATION

Existing systems have high costs, limited customization, and integration issues. The proposed system will be:

- To Improve Sales Efficiency
- Reduce Errors
- Improving the Customer Shopping Experience

CHAPTER 3

MATERIALS AND METHODS

3.1   MATERIALS

3.1.1   Hardware Requirements

- Computers
- Barcode Scanner
- Receipt Printers
- Mobile Devices

3.1.2   Software Requirements

- Web-Based System
- Cloud Database (MySQL)
- Payment Gateway Integration

3.2   METHODS

- Frontend: Developing a user-friendly interface for easy browsing
- Backend: Secure database for product storage and transactions
- API Integration: Payment processing & order tracking

CHAPTER 4

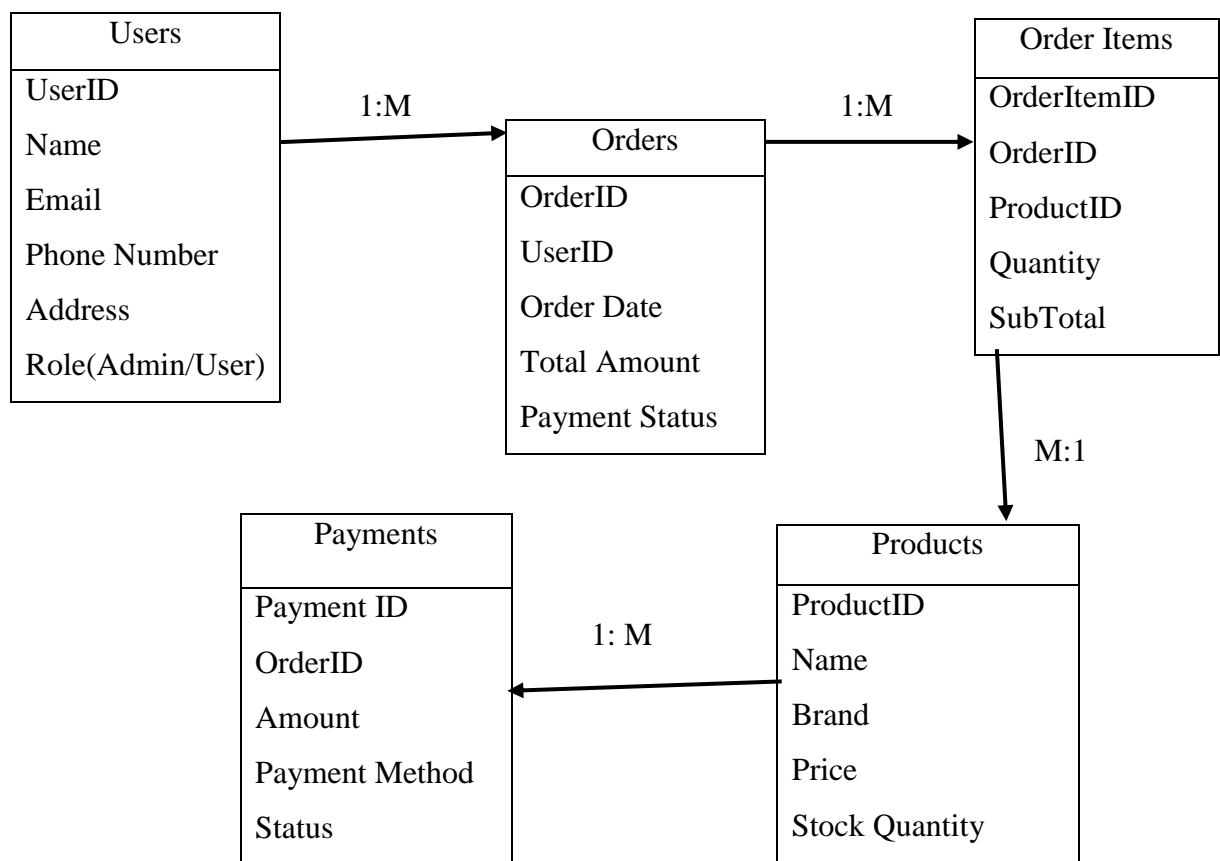# TECHNOLGOIES

4.1   FRONTEND AND BACKEND PROGRAMMING

- Frontend:
    - HTML
    - CSS
    - JavaScript
- Backend:
    - PHP

4.2 DATA MODELING AND MANAGEMENT

- Product and customer database design
- Inventory and order tracking model
- Structure Overview

4.2.1 STRUCTURE DIAGRAM

Users
UserID
Name
Email
Phone Number
Address
Role(Admin/User)

1:M →

Orders
OrderID
UserID
Order Date
Total Amount
Payment Status

1:M →

Order Items
OrderItemID
OrderID
ProductID
Quantity
SubTotal

M:1

Payments
Payment ID
OrderID
Amount
Payment Method
Status

← 1: M

Products
ProductID
Name
Brand
Price
Stock Quantity

4.3 IDE'S

- VS Code
- MySQL Workbench
- XAMPP

CHAPTER 5

TIME PLAN

5.1   GANT CHART

Time Management	Weeks								
	01	02	03	04	05	06	07	08	09
Searching project title and gathering information	▓								
Feasibility Study	▓								
Preparing project proposal	▓								
Planning and designing		▓							
Development		▓	▓	▓	▓	▓			
Testing and bug fixing							▓		
Final preparation								▓	
Report writing								▓	
Prepare presentation									▓

Table 1 Gant Chart

5.2   SCHEDULE AND BUDGET SUMMARY

5.2.1   Schedule

Estimate project duration: **5 months** with iterative improvements.

5.2.2   Budget Summary

Task	Amount
Domain	Rs.1000/= (per month)
Development tools recourses cost (Data bill cost include)	Rs.1500/= (per month)
Hosting	Rs.1000/= (per month)
Electricity bill	Rs.500/= (per month)

Table 2 Budget Summary

CHAPTER 6

REFERENCES

- https://www.w3schools.com
- https://www.youtube.com
- https://www.google.com
- https://www.wikipedia.org