Proposal for
E- Commerce Management System
Project name: Online Shopping

Submitted by:

Sadia Sultana-1921218642
Suria Yesmin Enath-1921413042

North South University ,Dhaka, Bangladesh
Email: sadia.sultana07@northsouth.edu,
suria.enath@northsouth.edu
Phone: +88 01316263709, +88 01305209589

ABSTRACT

In today's fast-changing business environment, it's extremely important to be able to respond to client needs in the most effective and timely manner. If your customers wish to see your business online and have instant access to your products or services.

Online Shopping is a lifestyle e-commerce web application, which retails various fashion and lifestyle products (Currently Men's Wear). This project allows viewing various products available enables registered users to purchase desired products instantly using **Online Payment Option** and also can place order by using **Cash On Delivery Option**. This project provides an easy access to **Administrators** to view orders details and others option.

In order to develop an online shopping website, a number of Technologies must be studied and understood. These include multi-tiered architecture, server and client side scripting techniques, implementation technologies such as PHP, JAVASCRIPT,HTML+CSS, Bootstrap and relational databases(such as MySQL Workbench). This is a project with the objective to develop a basic website where a consumer is provided with a shopping cart application and also to know about the technologies used to develop such an application.

This document will discuss each of the underlying technologies to create and implement an online shopping website.

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1.0 INTRODUCTION:

Online shopping is fast gaining ground as an accepted and used business paradigm. More and more business houses are implementing web sites providing functionality for performing commercial transactions over the web. It is reasonable to say that the process of shopping on the online is becoming common and popular for this pandemic recent situation.

The objective of this project is to develop a general purpose of shopping through internet ,from this webpage where product like clothes can be bought from the comfort of home through the . However, for implementation purposes, this paper will deal with an online shopping for clothes.

An online store is a virtual store on the Internet where customers can browse the catalog and select products of interest. The selected items may be collected in a shopping cart. At checkout time, the items in the shopping cart will be presented as an order. At that time, more information will be needed to complete the transaction. Usually, the customer will be asked to fill or select a billing address, a shipping address, a shipping option, and payment information such as credit card number. An e-mail notification is sent to the customer as soon as the order is placed.

Repository link : https://github.com/SuriaEnath

2.0 OVERALL DESCRIPTION:

2.1Description:

- ✓ Any member can sign up and view available products.
- ✓ Only user member can purchase multiple products regardless of quantity.
- ✓ Contact Us page is available to contact Admin for queries.
- ✓ There are three roles available: User and Admin
    - User can view available products and purchase products.
    - An Admin has some extra privilege including all privilege of user.
        - ❖ Admin can add products, edit product information and add/remove product.
        - ❖ Admin can add user, edit user information and can remove user.
        - ❖ Admin can ship order to user based on order placed by sending confirmation mail.

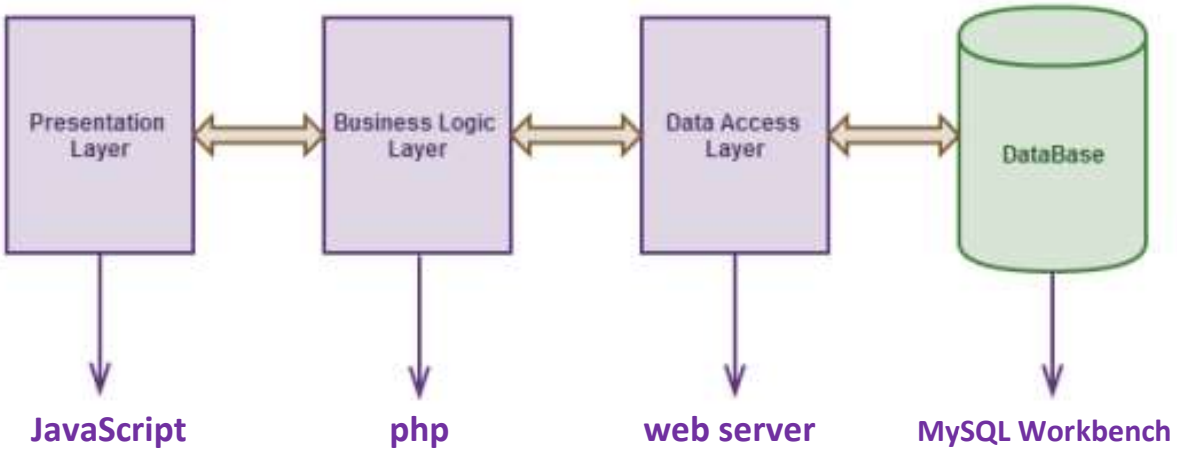
2.2Using the code:

1. Attach the database in your "MySQL Workbench".
2. Run the application on Xampp.
3. Locate the database.

2.3Web Pages details:

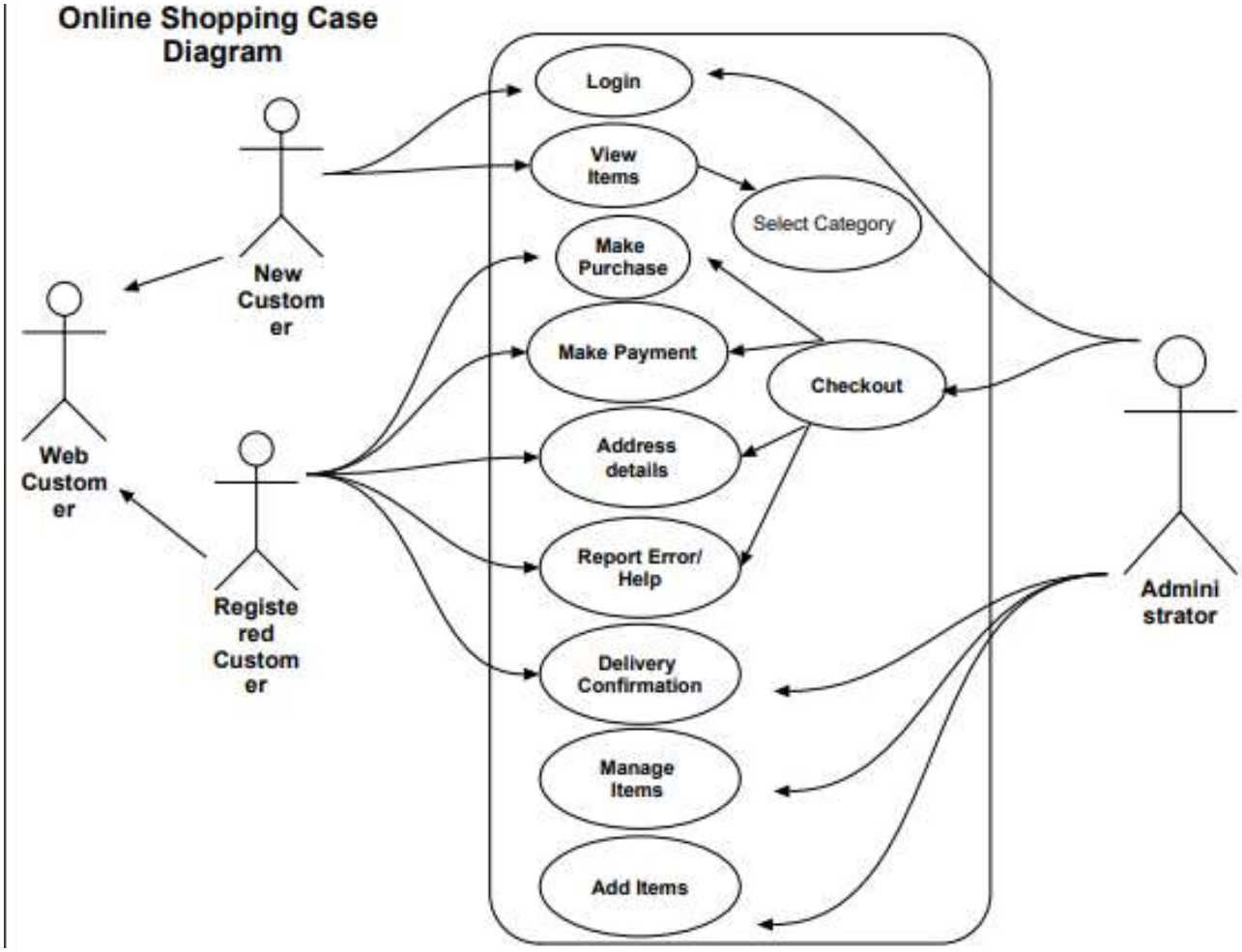
- HOME
- CATEGORIES
- CONTACT
- LOGOUT
- PRODUCT

2.4Project Detail Architecture:



3.0 SYSTEM REQUREMENTS:

3.1 USE-CASE DIAGRAM:



4.0 ONLINE SHOPPING APPLICATION:

Anyone can view Online Shopping portal and available products, but every user must login by his/her Username and password in order to purchase or order products. Unregistered members can register by navigating to registration page. Only Admin will have access to modify roles, by default developer can only be an **'Admin'**. Once user register site, his default role will be **'User'**.

4.1 HOME PAGE: The Home Screen will consist of screen were one can browse through the products which we have on our website.

Figure-1: Home Page

4.2. PRODUCTS: This page consists of product details. This page appears same for both visitors and users.

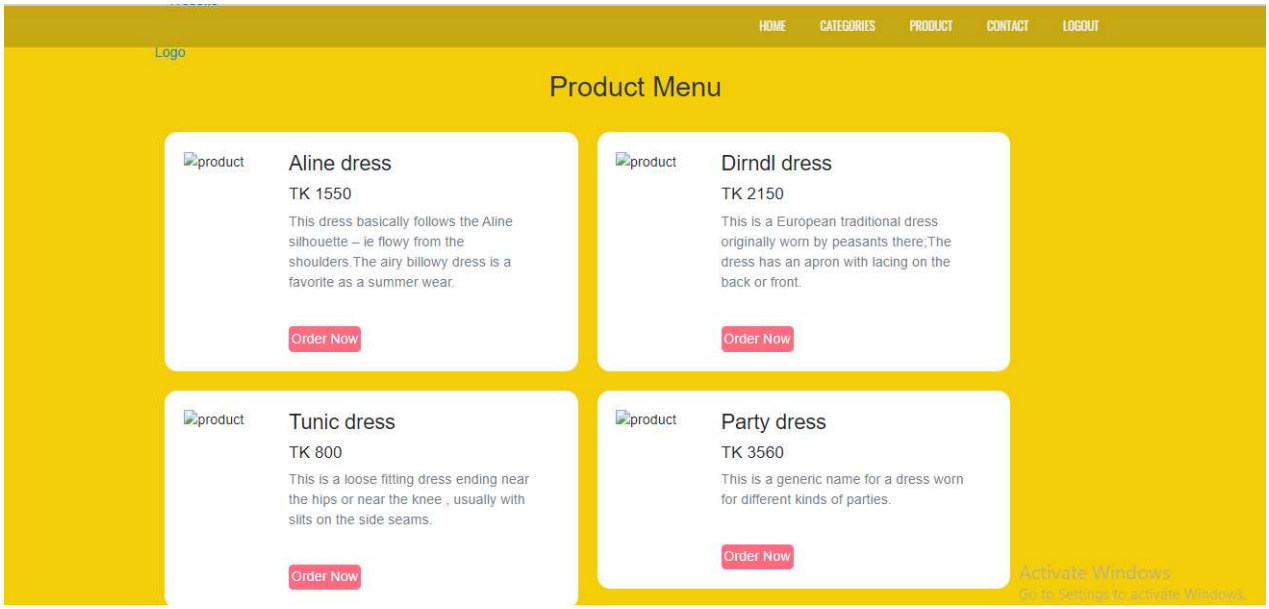


Figure-2: Products page

4.3.Contact Page: Visitors and Registered users can contact website owners or administrators from here

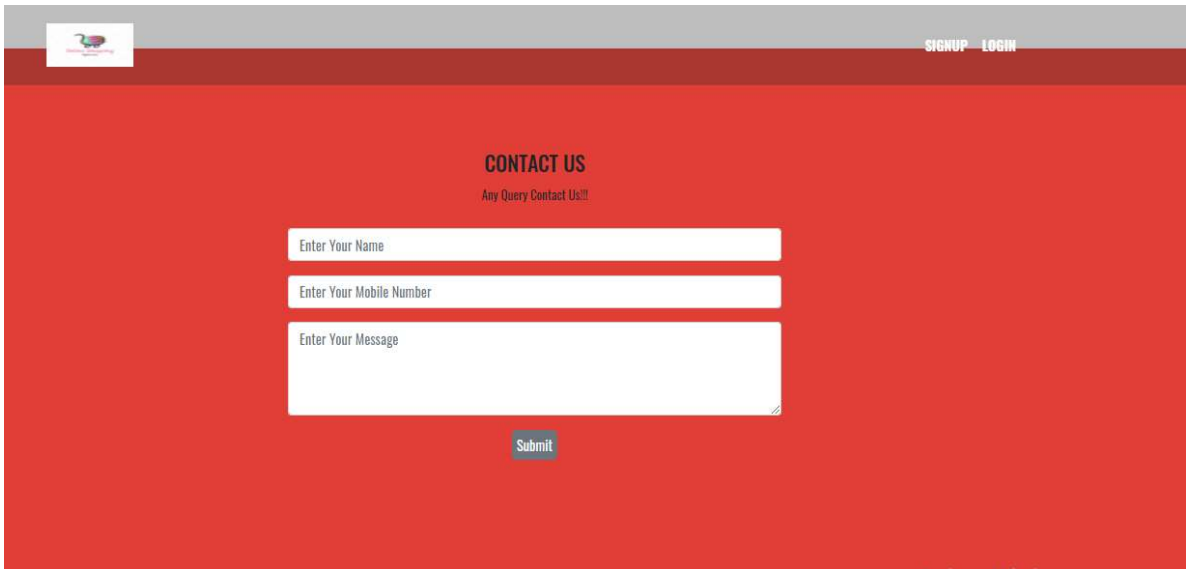


Figure-3:Contact Page

4.4 ABOUT US PAGE: This page describes about website and owners

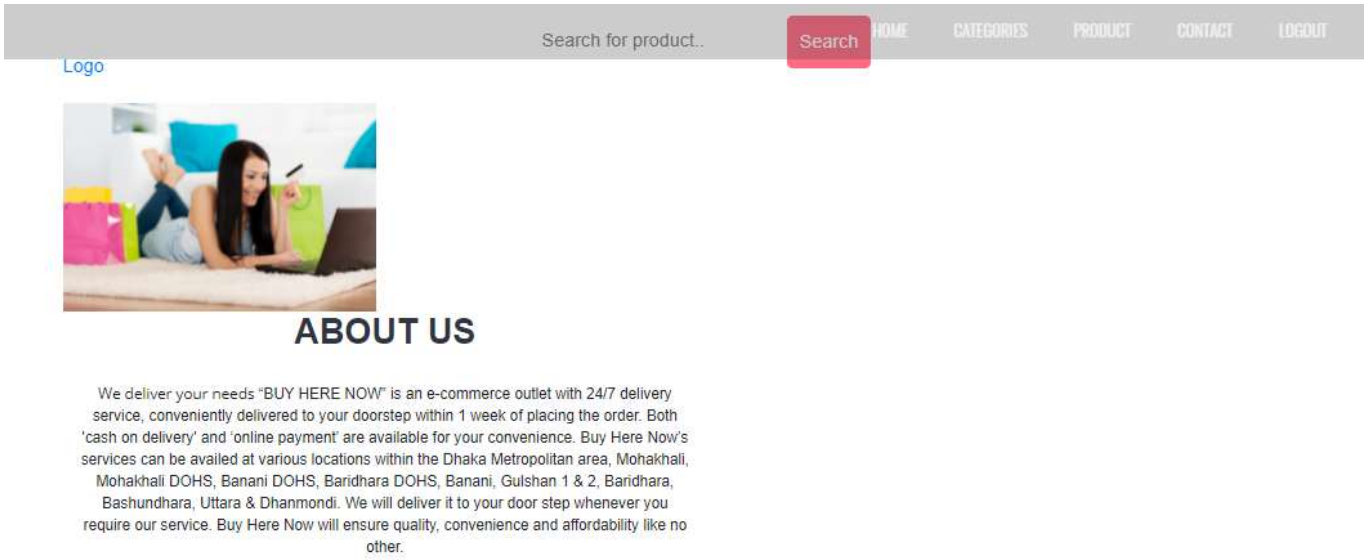


Figure-4 :About Us Page

4.5 SignUp PAGE: SignUp page for both users and administrators.

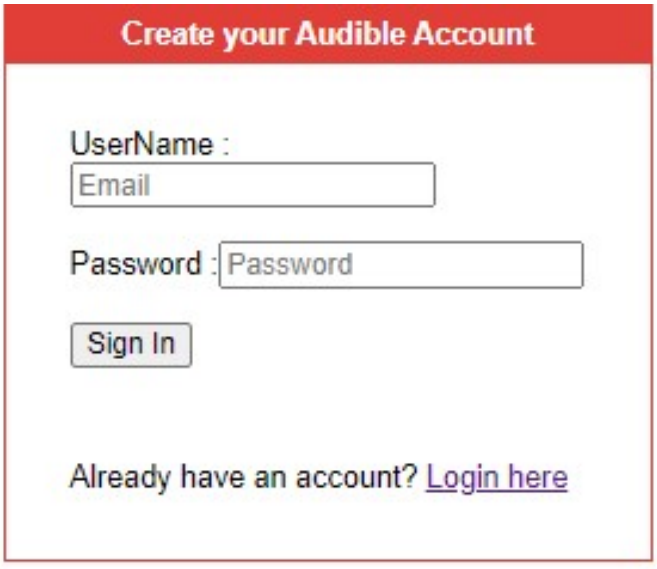


Figure-5: SignUp page

4.6 LogIn PAGE: LogIn page for both users and administrators.

Figure-6: LogIn Page

5.0 Data Management

5.1 Data Description

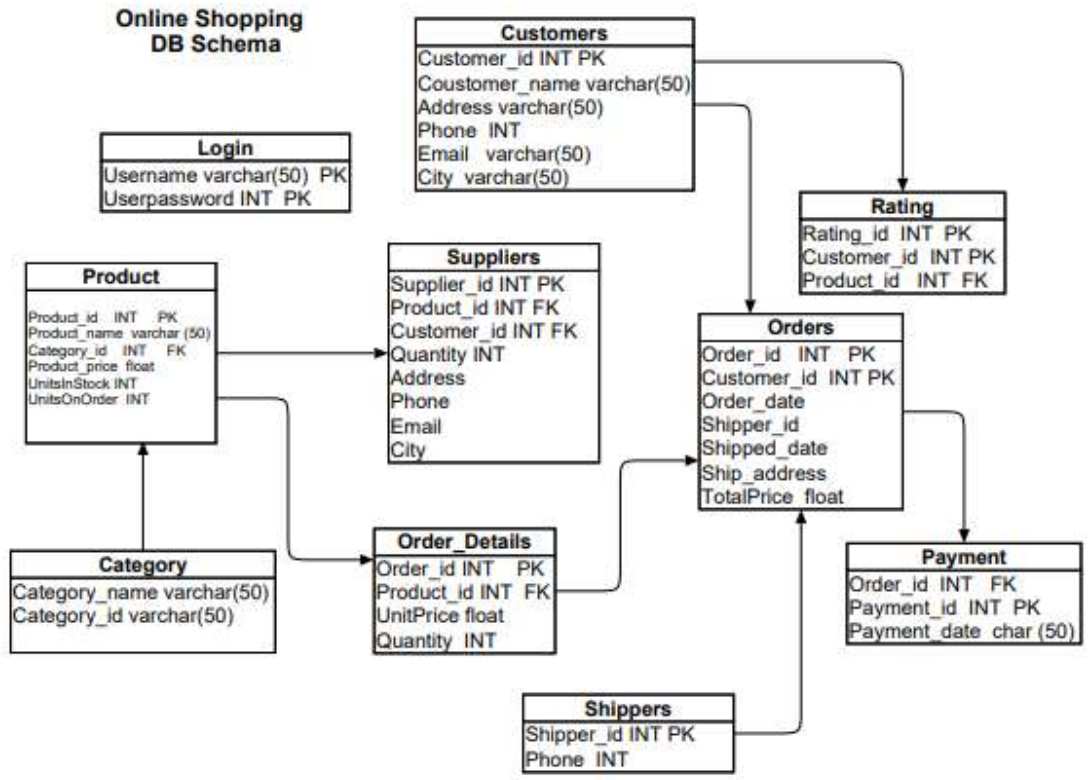
This database consists of

- Users: User and Admin information is added to database with Unique ID based on their roles.
- Product: Complete products information is stored in this table.
- Orders: Customer ordered products, status and delivery information is stored in this table.

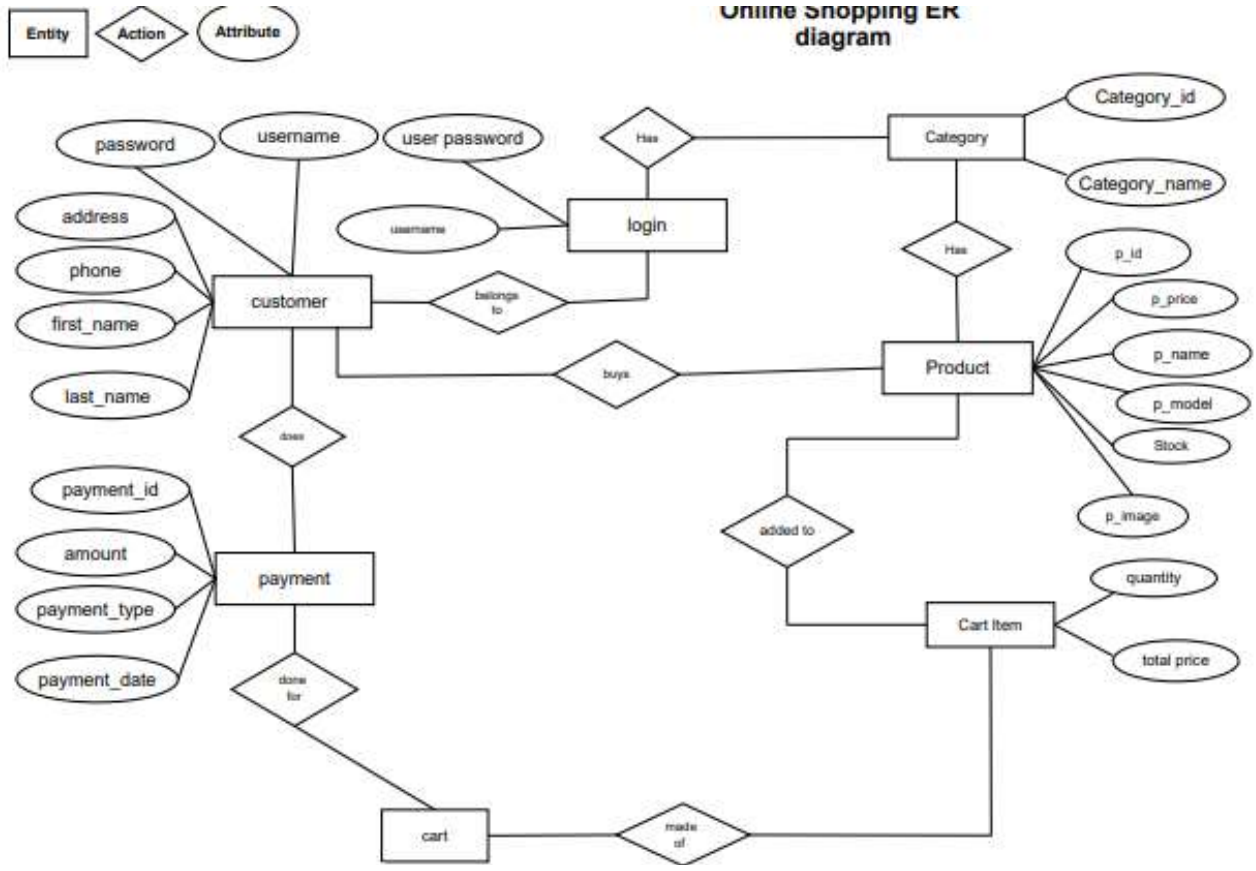
5.2 Data Objects

- User: ID, UserName, Password, Email
- Product: ID, Product, Product ID, Price, Category, Image, Description
- Orders: ID,Quantity, Price, Date, address

5.3 Database Diagram



5.4 Entity Relationship:



6.0 Non-Functional / Operational Requirements

6.1 Security

- ✓ Pages of the website must be access in the way they were intended to be accessed. Included files shall not be accessed outside of their parent file.
- ✓ Administrator can only perform administrative task on pages they are privileged to access. Customers will not be allowed to access the administrator pages.

6.2 Efficiency and Maintainability

- ✓ Page loads should be returned and formatted in a timely fashion depending on the request being made.

- ✓ Administrators will have the ability to edit the aspects of the order forms, product descriptions, prices and website directly.

7.0 Conclusion:

The Internet has become a major resource in modern business, thus electronic shopping has gained significance not only from the entrepreneur's but also from the customer's point of view. For the entrepreneur, electronic shopping generates new business opportunities and for the customer, it makes comparative shopping possible.

As per a survey, most consumers of online stores are impulsive and usually make a decision to stay on a site within the first few seconds. "Website design is like a shop interior. If the shop looks poor or like hundreds of other shops the customer is most likely to skip to the other site. Hence we have designed the project to provide the user with easy navigation, retrieval of data and necessary feedback as much as possible. In this project, the user is provided with an online shopping web site that can be used to buy products online. To implement this as a web application we used **phpMyAdmin** as the Technology, **phpMyAdmin** has several advantages such as enhanced performance, scalability, built-in security and simplicity.

To build any web application using **phpMyAdmin** we need MySQL WorkBench, PHP, Html+Css and so on. SQL, PHP, Javascript and HTML used to build this application. For the client browser to connect to the **XAMPP** control panel. **phpMyAdmin** uses localhost to interact with the database as it provides in-memory caching that eliminates the need to contact the database server frequently and it can easily deploy and maintain an **phpMyAdmin** application. SQL was used as back-end database since it is one of the most popular databases, and it provides fast data access, easy installation and simplicity.

A good shopping cart design must be accompanied with user-friendly shopping cart application logic. It should be convenient for the customer to view the contents of their cart and to be able to remove or add items to their cart. The shopping cart application described in this project provides a number of features that are designed to make the customer more comfortable.

This project helps in understanding the creation of an interactive web page and the technologies used to implement it. The design of the project which includes

Data Model and Process Model illustrates how the database is built with different tables, how the data is accessed and processed from the tables. The building of the project has given me a precise knowledge about how **phpMyAdmin** is used to develop a website, how it connects to the database to access the data and how the data and web pages are modified to provide the user with a shopping cart application.

8.0 Appendix

Contact information

Contact Persons Name:
Sadia Sultana
Suria Yesmin Enath

Email:
sadia.sultana07@northsouth.edu
suria.enath@northsouth.edu

Mobile: +8801316263709, +8801305209589

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