MINI PROJECT
(2019-20)

ONLINE SHOPPING WEBSITE

Mid-Term Progress Report

Institute of Engineering & Technology

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Abstract

E-commerce is the most visible business use of the World Wide Web. The primary goal of an e-commerce site is to sell goods and services online.

This project deals with developing an e-commerce website for Online store where user can view and if they are registered user, can purchase the products. It facilitates the user to get detailed information of a products. The system is implemented using a 3-tier approach, with a backend database, a middle tier of apache and PHP, and a web browser as the front end client. In order to develop an e-commerce website, a number of technologies must be studied and understood. These include multi-tired architecture, server and client side scripting technologies, implementation technologies like PHP , relation databases(such as MySql).

Introduction

Objective

This project is aimed at developing a Web application that depicts online Shopping. Using this software, companies can improve the efficiency of their services. Online Shopping is one of the applications to improve the marketing of the company's products. This web application involves all the features of the online shopping.
This online shopping site project is a general project which helps many people who want to sell their product online. Each business people can customize this program according to their requirements. This software also helps customer to find different products, their features, and new updates easily. It is designed such a way that one can view all the updates of the product from any place through online. The software will help in easy maintaining and updating products in the website for the administrator.

What is E-commerce?

E-commerce (**electronic commerce**) is the activity of electronically buying or selling of products on online services or over the Internet. Electronic commerce draws on technologies such as mobile commerce, electronic funds transfer, supply chain management, Internet marketing, online transaction processing, electronic data interchange (EDI), inventory management systems, and automated data collection systems. E-commerce is in turn driven by the technological advances of the semiconductor industry, and is the largest sector of the electronics industry.

Technology Used

Full Stack is used to develop both frontend and backend.

Hardware Requirements

➤ Personal computer with internet connection
➤ i3 Processor Based Computer Or Higher
➤ Memory: 2 GB RAM(Minimum)
➤ Hard Drive: 30 GB(Minimum)

Software Requirements

➤ Windows 7 Or Higher
➤ Google Chrome Version 40.0.2214 Or Higher
➤ Any Web Editor Like Sublime Text Or Brackets
➤ SQL Server 2008 Or Above

Frontend Tools

➤ HTML
➤ CSS
➤ JavaScript
➤ Bootstrap

Backend Tools

➤ PHP
➤ MySQL

Methodology

Project Research

The research and planning stage is arguably the most important because we decide here and set the road ahead for entire project.

First off, we understand the business for which we are creating e-commerce and generate ideas for how the site should look and function.

Website Design

Next comes the fun part. Deciding how our website should look like. Also giving customer enhanced experience of e-shopping

Web Development & Testing

Now comes the main part , We divide this part into four modules namely Login System , Database Management , Front End , Back end.

Implementation

Description

- Any member can register and view available products
- Only registered members can purchase multiple products regardless of quantity.
- ContactUs page is available to contact admin for queries
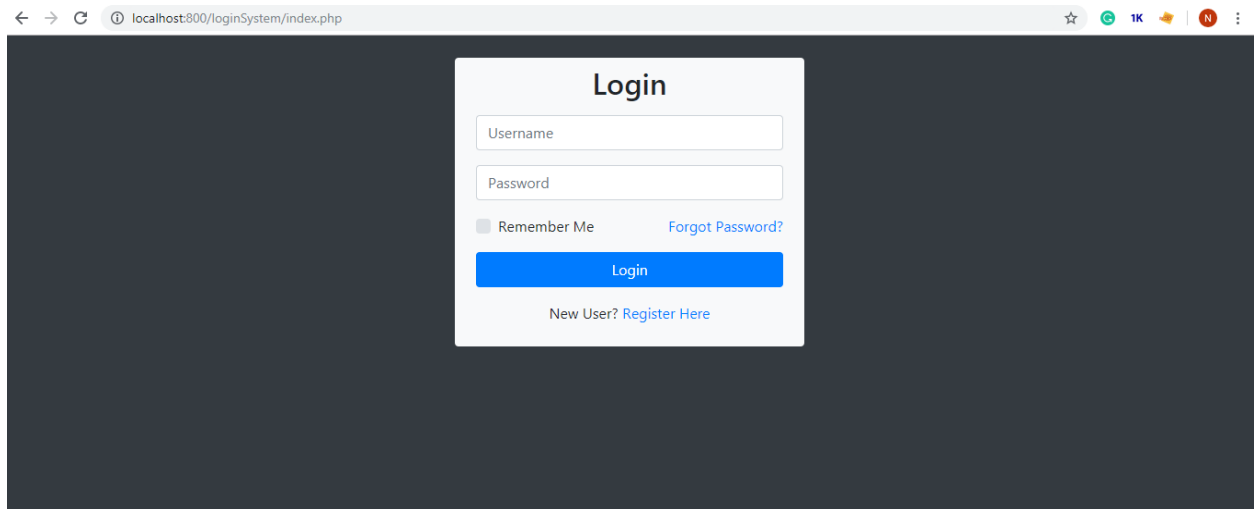
Web Page Details

➢ Home Page
➢ AboutUs Page
➢ Products Pages
➢ Orders Page
➢ ContactUs Page
➢ Login Page
➢ Register Page
➢ Cart Page
➢ Checkout Page
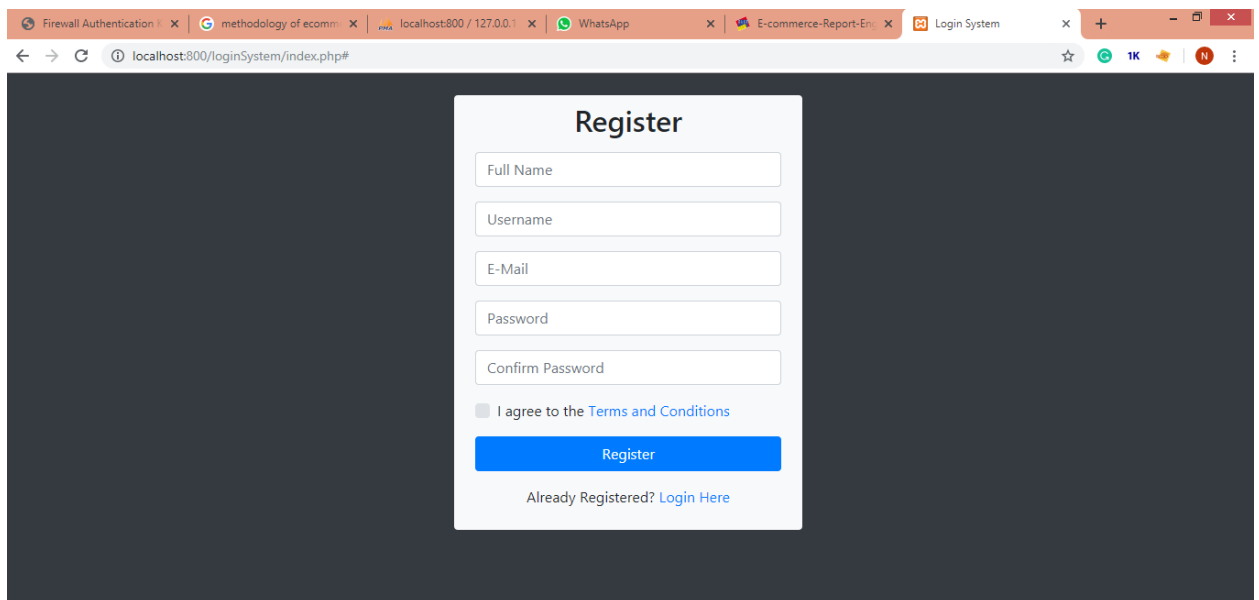
Detailed Description of pages

1. **Login Page** – Registered users can login and non-registered can register.

They can reset the password in case they forgot their password.

2. **Home Page –** The home screen consist of screen where one can browse through the products which we have on our website.
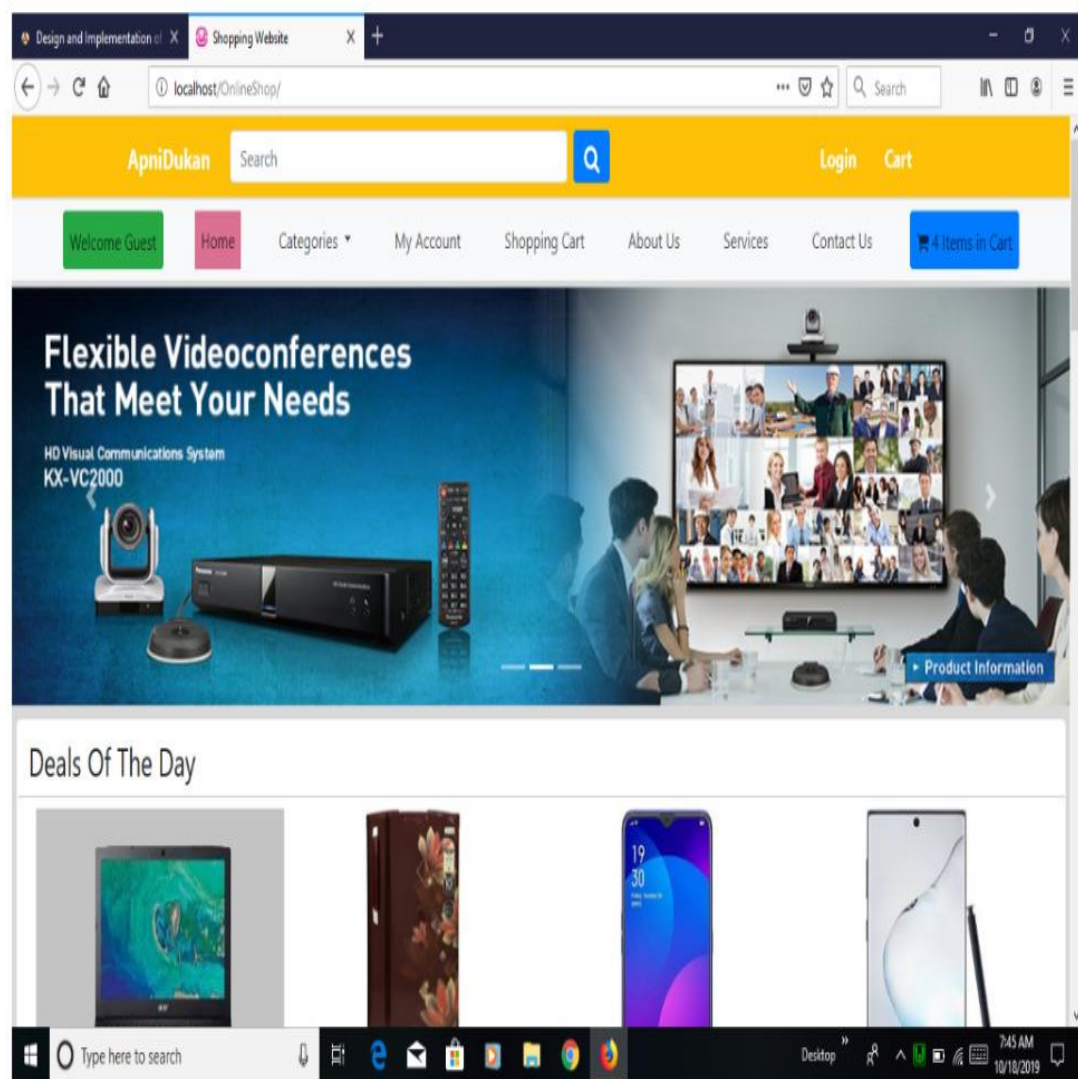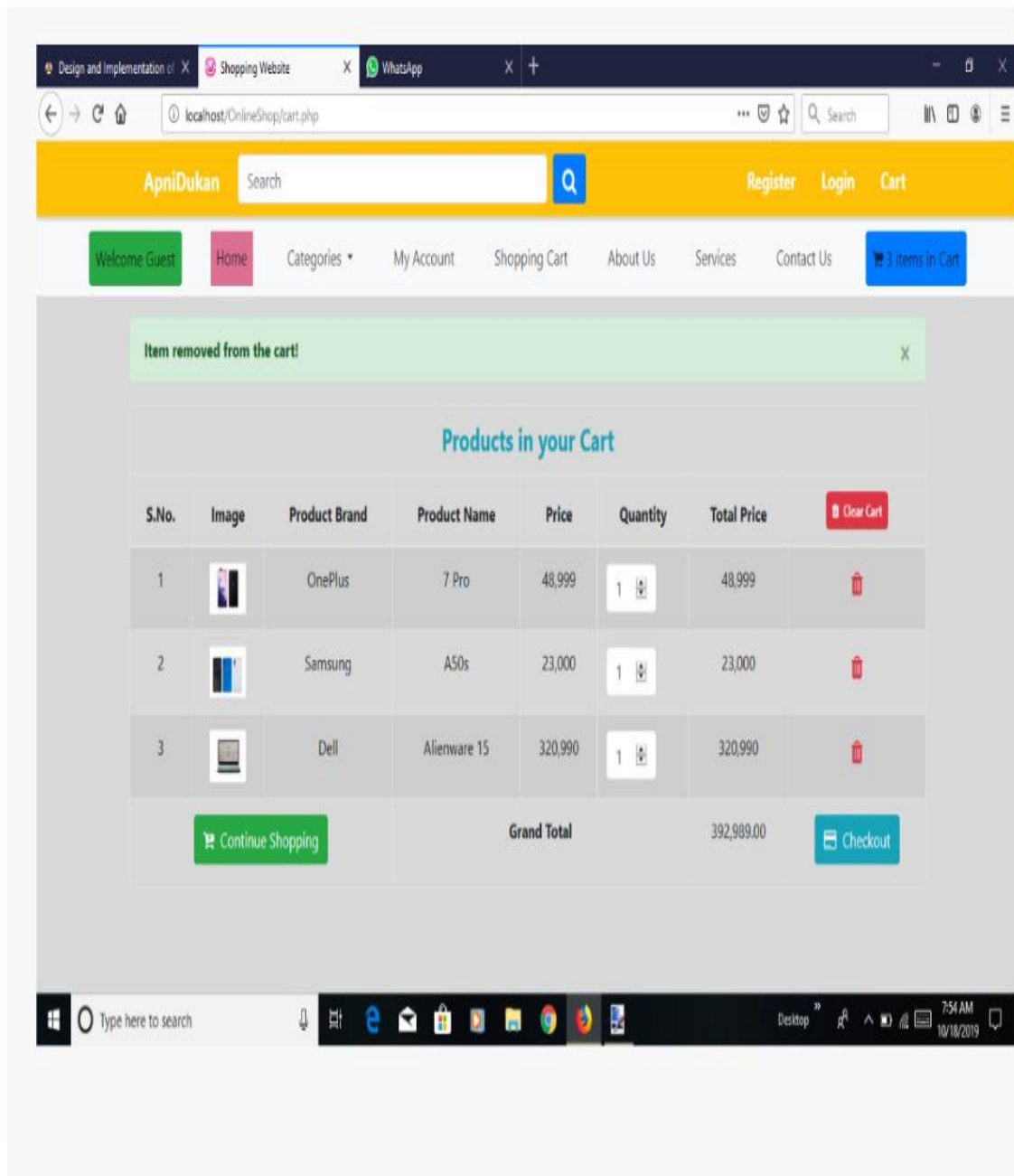
3. **Products Page** – User can view all the products available on our website and filter products based on their categories, brand , name etc.
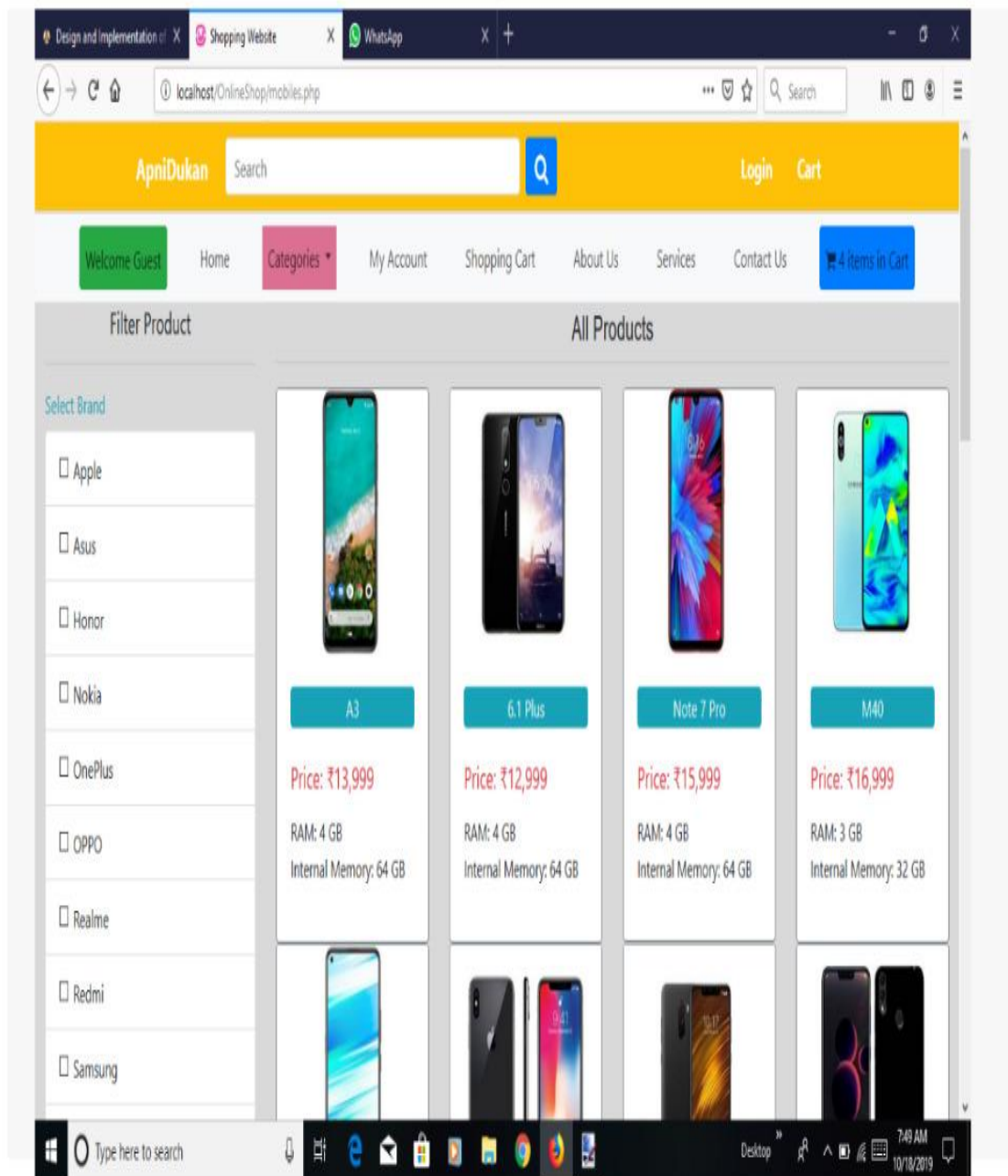
4. **Cart Page** – After login user can view products in their cart, add more products, delete unwanted products and can check out with the products they have in cart.

5. **Checkout Page** - shows the products you have placed order for and total price.

Contribution Summary

This project is divided into four major segments namely Login System , Database Management , Front End designing of Website and Backend

- **Login System** – Frontend along with backend designing of login and register System is done by Naman Mittal.
- **Frontend** – All interfaces starting from Home Page to checkout page are designed by Harsh Bansal.
- **Backend** – All behind the scene processes of retrieving products from database, adding products to user cart, and maintaining orders placed for each user is developed by Harsh Jain.
- **Database** – Base of our e-commerce website where all information about users, products, user cart and orders is saved, designed and maintained by Manish Kumar.

Work Done

- Login System created
- Home page Completed
- Products Page Completed
- Cart Page created
- Checkout Page created

Work Left

- Improving the design of login Page
- Integration of login system with website
- Intriguing the home page design
- User specific cart and orders
- Adding information to ConatctUs page, AboutUs page

References

- https://www.w3schools.com
- www.youtube.com
- www.fontawesome.com
- www.bootstrap.com
- www.codesnippet.com