# “ONLINE SHOPPING WEBSITE”

### A Project report submitted

**In the partial fulfillment the award of degree of**

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING (2022-2023)**

**BY**

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**Under the esteemed Guidance of**

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**(2022-2023)**

##### CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT

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**(2019-2023)**

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BONAFIDE CERTIFICATE

##### This is to certify that the project work entitled “ONLINE SHOPPING WEBSITE” is a fulfillment of project work done by A MANOJ(Reg.No.211801390009) for the award the degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE AND ENGINEERING, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, during the academic year 2022-2023.

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**ABSTRACT**

This abstract describes an online shopping website that offers a user-friendly interface for customers to purchase a wide range of products from various categories. The website is designed with a responsive layout that adapts to different screen sizes, allowing customers to shop on any device. The homepage features a search bar, popular products, and a rotating banner showcasing discounts and promotions. Customers can create an account, save items to a wish list, and track their orders. The website also includes secure payment options and a customer support section for inquiries and assistance. With a vast selection of products, intuitive navigation, and seamless checkout process, this online shopping website aims to provide an enjoyable and convenient shopping experience for customers.

**ACKNOWLEDGEMENT**

It is with at most pleasure and excitement we submit our project partial fulfillment of the requirement for the award of Bachelor of Technology.

The project is a result to the cumulate efforts, support, guidance, encouragement and inspiration from many of those for whom we have to give our truthful honor and express gratitude through bringing out this project at the outset as per our knowledge.

I convey my special thanks to our project **Guide Mrs. G. Rama Devi(Asst. Professor)** who has guided, encouraged and tremendously supported me to enhance my knowledge with present working of this project to bring out enriching the quality of project.

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At the outset, we thank to **Sri. G.S.N.RAJU**, beloved **Vice Chancellor of Centurion University of Technology and Management** who is the back bone by providing for completion of this project, Thank you sir.

**DECLA****RATION**

I hereby declare that the project entitled **“PROJECT TITLE”** submitted to the fulfillment of award the degree of **B.TECH (CSE)** in **CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT**, **ANDHRA PRADESH.**

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**1.0** **INTRODUCTION:**

This project is a web based shopping system for an existing shop. The project objective is to deliver the online shopping application into android platform. Online shopping is the process whereby consumers directly buy goods or services from a seller in real-time, without an intermediary service, over the Internet. It is a form of electronic commerce. This project is an attempt to provide the advantages of online shopping to customers of a real shop. It helps buying the products in the shop anywhere through internet by using an android device. Thus the customer will get the service of online shopping and home delivery.

**1.1 Need of the application**

There are large numbers of commercial Online Shopping websites offering large number of products tailored to meet the shopping interests of large number of customers. These online marketplaces have thousands of products listed under various categories.

**Problem:**

* The basic problems with the existing systems are the non-interactive environment they provide to the users.
* The use of traditional user interfaces which make continuous post backs to the server; each post back makes a call to the server, gets the response and then refreshes the entire web form to display the result. This scenario adds an extra trade off causing a delay in displaying the results
* A search engine that would display the results without allowing the users to further filter the results based on various parameters.
* Use of traditional and non user friendly interfaces that are hard to use.

**Solution:**

* The motive of this Online Shopping Web Application is to allow the user to play with the search tool and create different combinatorial search criterion to perform exhaustive search
* Provide Interactive interface through which a user can interact with different areas of application easily.
* A search engine that provides an easy and convenient way to search for products specific to their needs. The search engine would list a set of products based on the search term and the user can further filter the list based on various parameters.
* Provide Drag and Drop feature thereby allowing the user to add products to or remove products from the shopping cart by dragging the products in to or out of the shopping cart.

**1.2 Scope**

* The current system can be extended to allow the users to create accounts and save products in to wish list.
* The users could subscribe for price alerts which would enable them to receive messages when price for products fall below a particular level.
* Users can have multiple shipping and billing information saved. During checkout they can use the drag and drop feature to select shipping and billing information.

**2.0 OVERALL DESCRIPTION:**

**2.1Description**:

* Contact Us page is available to contact Admin for queries.
* There are two roles available: Visitor and Admin.
* Visitor can view available products.
* An Admin has some extra privilege including all privilege of visitor and user.

**2.2Using the code:**

1. Run the application on Microsoft Visual Studio as web site.

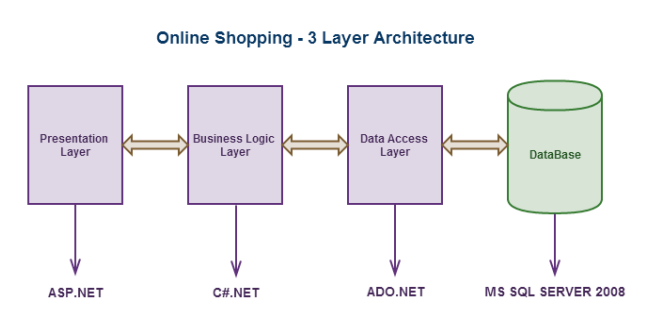
**2.3 MasterPage details:**

* Online Shopping Master Page (Similar Master Page for Visitor, User and Admin)

**2.4 Web Pages details:**

* Home Page
* About Us Page
* Clothing Page
* Login Page
* Sign In Page

**2.5 Project Details:**

****

**3.0 SYSTEM REQUIREMENTS**

**3.1 Hardware Requirements**

Processor P IV

RAM 250 MB

Minimum Space Required 100 MB

Display 16 bit color

**3.2 Software Requirements**

Operating Environment Win 2000/XP

Platform .Net Framework & IIS Visual Studio 2008

Database SQL Server 2005

**4.0 SYSTEM DESIGN**

System design is the solution for the creation of a new system. This phase focuses on the detailed implementation of the feasible system. It emphasis on translating design. Specifications to performance specification. System design has two phases of development

* Logical design
* Physical design

During logical design phase the analyst describes inputs (sources), output s(destinations), databases (data sores) and procedures (data flows) all in a format that meets the user requirements. The analyst also specifies the needs of the user at a level that virtually determines the information flow in and out of the system and the data resources. Here the logical design is done through data flow diagrams and database design. The physical design is followed by physical design or coding. Physical design produces the working system by defining the design specifications, which specify exactly what the candidate system must do. The programmers write the necessary programs that accept input from the user, perform necessary processing on accepted data and produce the required report on a hard copy or display it on the screen.

**4.1 Input and Output Design**

**4.1.1 Input Design:**

Input design is the link that ties the information system into the world of its users. The input design involves determining the inputs, validating the data, minimizing the data entry and provides a multi-user facility. Inaccurate inputs are the most common cause of errors in data processing. Errors entered by the data entry operators can be controlled by input design. The user-originated inputs are converted to a computer based format in the input design. Input data are collected and organized into groups of similar data. Once identified, the appropriate input media are selected for processing. All the input data are validated and if any data violates any conditions, the user is warned by a message. If the data satisfies all the conditions, it is transferred to the appropriate tables in the database. In this project the student details are to be entered at the time of registration. A page is designed for this purpose which is user friendly and easy to use. The design is done such that users get appropriate messages when exceptions occur.

**4.1.2 output Design:**

Computer output is the most important and direct source of information to the user. Output design is a very important phase since the output needs to be in an efficient manner. Efficient and intelligible output design improves the system relationship with the user and helps in decision making. Allowing the user to view the sample screen is important because the user is the ultimate judge of the quality of output. The output module of this system is the selected notifications.

**5.0 SYSTEM TOOLS**

The various system tools that have been used in developing both the front end and the back end of the project are being discussed in this chapter.

**5.1.FRONT END:**

HTML, CSS, JAVA SCRIPT are utilized to implement the frontend

**HTML (Hyper Text Markup Language)**

HTML is a syntax used to format a text document on the web.

**CSS (Cascading Style Sheets)**

CSS is a style sheet language used for describing the look and formatting of a document written in a markup language

**Java** **Script**

JS is a dynamic computer programming language. It is most commonly used as part of web browsers, whose implementations allow client-side scripts to interact with the user, control the browser, communicate asynchronously, and alter the document content that is displayed. Java Script is used to create pop up windows displaying different alerts in the system like “User registered successfully”, ”Product added to cart” etc.

**6.0 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’.

**6.1 HOMEPAGE:** The Home Screen will consist of screen were one can browse through the products which we have on our website

**6.2. CLOTHING PAGE (PRODUCTS):** This page consists of product details. This page appears same for both visitors and users.

**6.3 ABOUT US PAGE:** This page describes about website and owners

**6.4 REGISTER PAGE:** New users can register here

**6.5 LOGIN PAGE**: Login page for both users and administrators.

**6.6 Admin Page:** Only difference you see in this page is Role: Admin. User and Admin role will be checked once the page was login and Session [“role”] will be either Admin or User. If credentials belong to Admin then role will be Admin and if credentials belong to User then role will be User.

**7.0 Non-Functional / Operational Requirements**

**7.1 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

**7.2 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

**8.0 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 ecommerce web site that can be used to buy clothes online.

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