A

Minor Project Report
On

# “E-COMMERCE WEBSITE”

Submitted to

**CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY BHILAI**

in partial fulfillment of the requirement of for the award of degree

Of

**Bachelor of Technology**

In

**COMPUTER SCIENCE AND ENGINEERING**

**by**

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**SHRI SHANKARACHARYA TECHNICAL CAMPUS,**
**JUNWANI, BHILAI(C.G.)**

**SESSION 2021-2022**

# CERTIFICATE

This is to certify that the thesis report of the project submitted is an outcome of the project entitled **"E-COMMERCE WEBSITE"** carried out by **Mohd. Toukir Khan** bearing **Roll no. 301411320035**

carried out under my guidance and supervision for the award of Degree in B. Tech in **Computer Science and Engineering** of Chhattisgarh Swami Vivekanand Technical university, Bhilai (C.G.), India.

To the best of my knowledge the report.

(1) Embodies the work of the candidate herself/himself.

(2) Fulfills the requirements of the ordinance relating to the B. Tech Degree of the University. And

(3) Is up to the desired standard for the purpose of which is submitted.

(Signature of the Class Teacher)

Mr. Manoj Singh

Professor

Computer Science & Engineering

Department

**Shri Shankaracharya Technical**

**Campus Junwani, Bhilai (C.G.)**

The project work as mentioned above is hereby being recommended and forwarded for examination and evaluation.

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**(Signature of Head of Department with seal)**

# ACKNOWLEDGEMENT

Firstly, we would wish to thank our Minor Project teacher Mr. Manoj Singh Sir who gave his immense support, dedicated his time towards it and made us understand how to make this project.

Without his guidance, the project would not have been completed. We are glad that we were able to complete this project and understand many things. Preparing this computer science project was an immense learning experience and we inculcated many personal qualities during this process like responsibility, punctuality, confidence, and others.

We would like to thank our teachers who supported us all the time, cleared up our doubts. We are taking this opportunity to acknowledge their support and we hope that they keep supporting us like this in the future.

(Sign of student)

Mohd. Toukir Khan

## INDEX

# ABSTRACT

In this era of internet, e-commerce is growing by leaps and bounds keeping the growth of brick-and-mortar businesses in the dust. In many cases, brick-and-mortar businesses are resorting to having a counterpart which is internet or e-commerce driven.

Ecommerce is the buying and selling of goods and services online. Ecommerce relies on various digital platforms and technologies: websites, mobile applications, social media, and other digital channels. These technologies make possible the transactions between businesses, consumers, and other entities.

People in the developed world and a growing number of people in the developing world now use e-commerce websites daily to make their everyday purchases. Still the proliferation of e-commerce in the underdeveloped world is not that great and there is a lot to desire for.

The entire development process is primarily divided into two parts: the front-end development and the back-end development. The database design is not much used in the project as it is kind of a prototype version.

This no-nonsense method of developing an e-commerce website can be easily replicated and followed in developing e-commerce websites in the developing and under-developed countries where computing resources are scarce and expensive because of their socio-economic condition.

# INTRODUCTION

Various categories of products can be traded with the help of e commerce applications. In this project, we will develop an e-commerce website that will list beauty products. Let’s start developing the project.

Many individuals attempt to buy some products without monitoring proper details of the product, but this is a recipe for failure. In any case, it is doubtful that one will be able to find the right product according to their budget, the user experience they are getting on the website may not be good. Hence, the website is developed in a simple and sophisticated user experience with some common and dummy beauty products.

## Project Prerequisites-

React

Node.JS

HTML,

CSS

JavaScript

Various APIs

This are required before starting this “E-COMMERCE WEBSITE” project of React.js

# Tools and Technology used.

## React: -

An early prototype of React, created by a Facebook software engineer named Jordan Walke and dubbed FaxJS, was originally introduced in 2011. In 2012, Walke completed the prototype and invented React, which Facebook and Instagram quickly adopted that same year. React became available for Ruby on Rails and Python applications after being open source in 2013. 2015 brings the release of React Native, an extension of React for mobile programming on Android and iOS. Since then, react has continually improved and added new user-facing capabilities with each new version throughout the years.

## Node.js: -

Node.js is a server-side JavaScript runtime environment that executes JavaScript code. That enables programmers to create scalable network applications, as it can manage many concurrent connections with high throughput. Node.js,for instance, generates an application that requires a constant connection between the browser and the server.

## HTML: -

The Hypertext Markup Language, or HTML is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript. Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document. HTML elements are the building blocks of HTML pages. With HTML constructs, images, and other objects such as interactiveforms may be embedded into the rendered page. HTML provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes, and other items. HTML elements are delineated by tags, written using angle brackets. Tags such as and directly introduce content into the page. Other tags such as
surround and provide information about document text and may include other tags as sub-elements. Browsers do not display the HTML tags, but use them to

interpret the content of the page.

## CSS: -

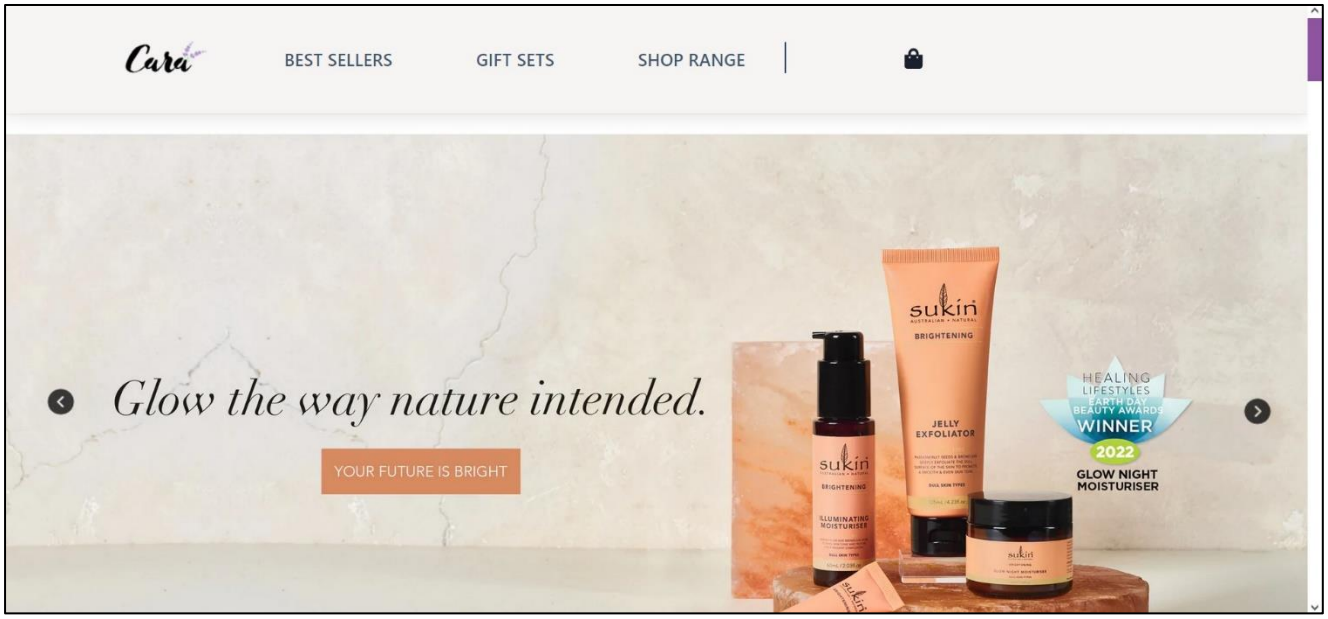
Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language such as HTML.CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.CSS is designed to enable the separation of presentation and content, including layout, colors, and fonts. This separation can improve content accessibility; provide more flexibility and control in the specification of presentation characteristics; enable multiple web pages to share formatting by specifying the relevant CSS in a separate .CSS file, which reduces complexity and repetition in the structural content; and enable the .CSS file to be cached to improve the page load speed between the pages that share the file and its formatting. Separation of formatting and content also makes it feasible to present the same markup page in different styles for different rendering methods, such as on-screen, in print, by voice (via speech-based browser or screen reader), and on Braille-based tactile devices. CSS also has rules for alternate formatting if the content is accessed on a mobile device. The name cascading comes from the specified priority scheme to determine which style rule applies if more than one rule matches a particular element. This cascading priority scheme is predictable.

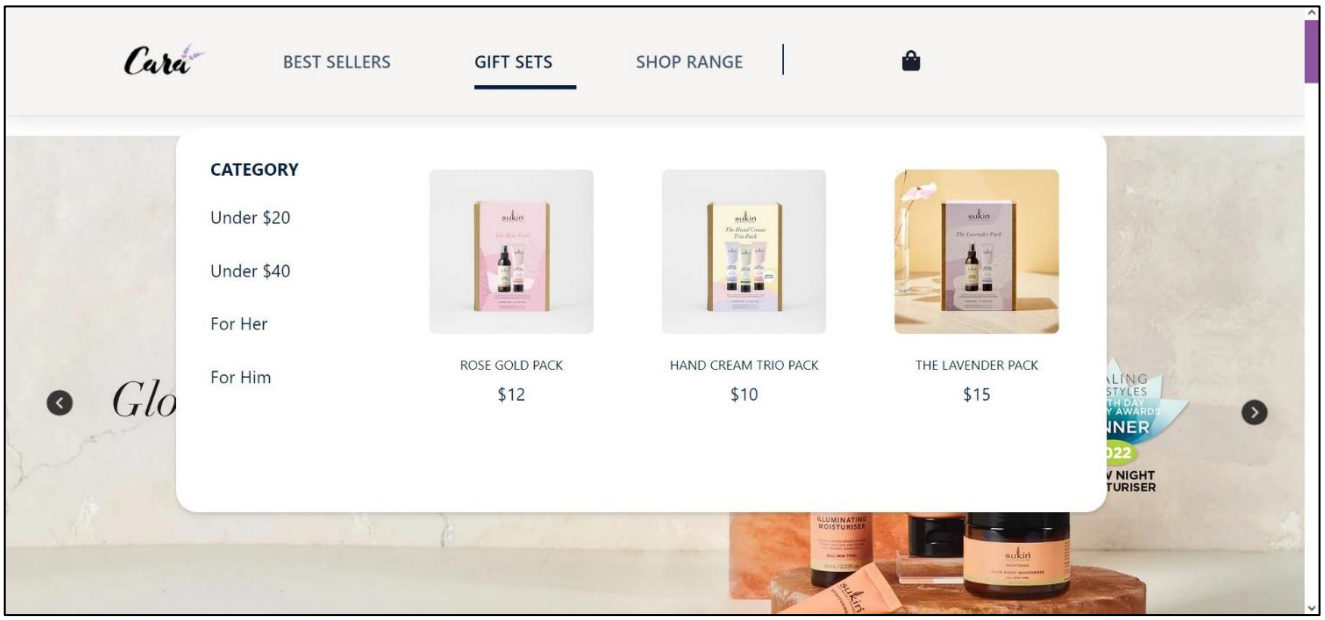
## JAVASCRIPT: -

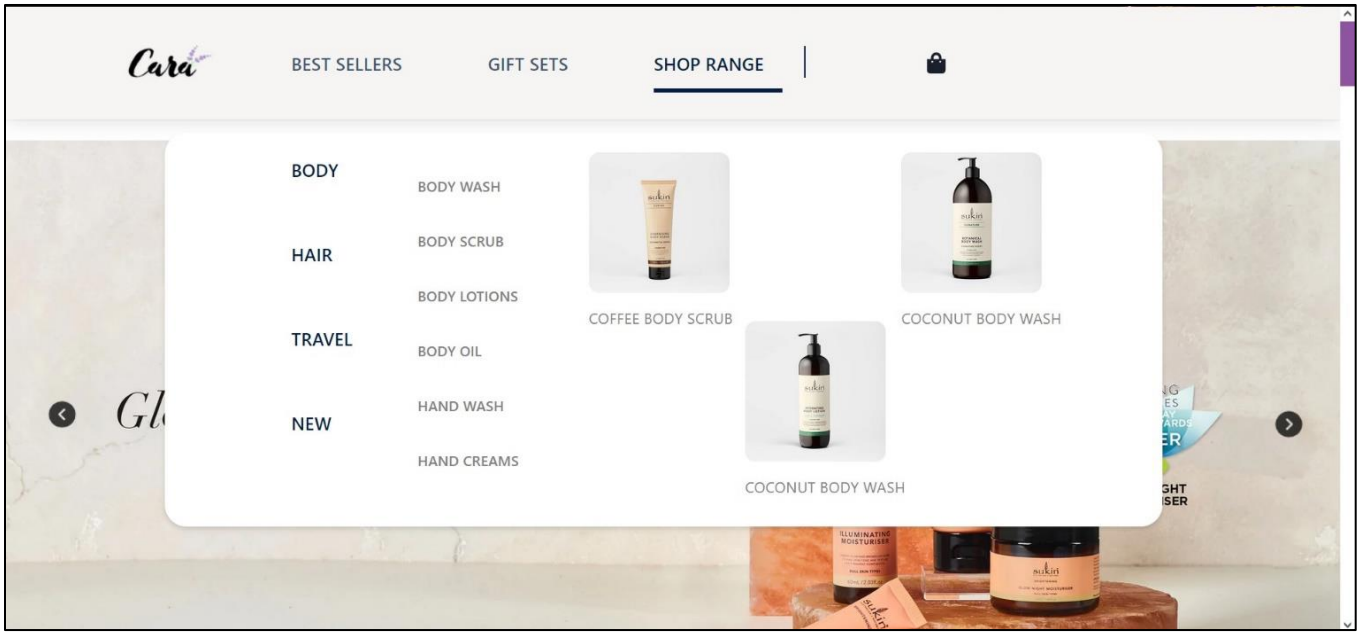
JavaScript, often abbreviated as JS, is a programming language that is one of the core technologies of the World Wide Web, alongside HTML and CSS. As of 2022, 98% of websites use JavaScript on the client side for webpage behavior, often incorporating third-party libraries. All major web browsers have a dedicated JavaScript engine to execute the code on users' devices. JavaScript is a high-level, often just-in-time compiled language that conforms to the ECMAScript standard. It has dynamic typing, prototype-based object-orientation, and first-class functions. It is multi-paradigm, supporting event-driven, functional, and imperative programming styles. It has application programming interfaces (APIs) for working with text, dates, regular expressions, standard data structures, and the Document Object Model (DOM).

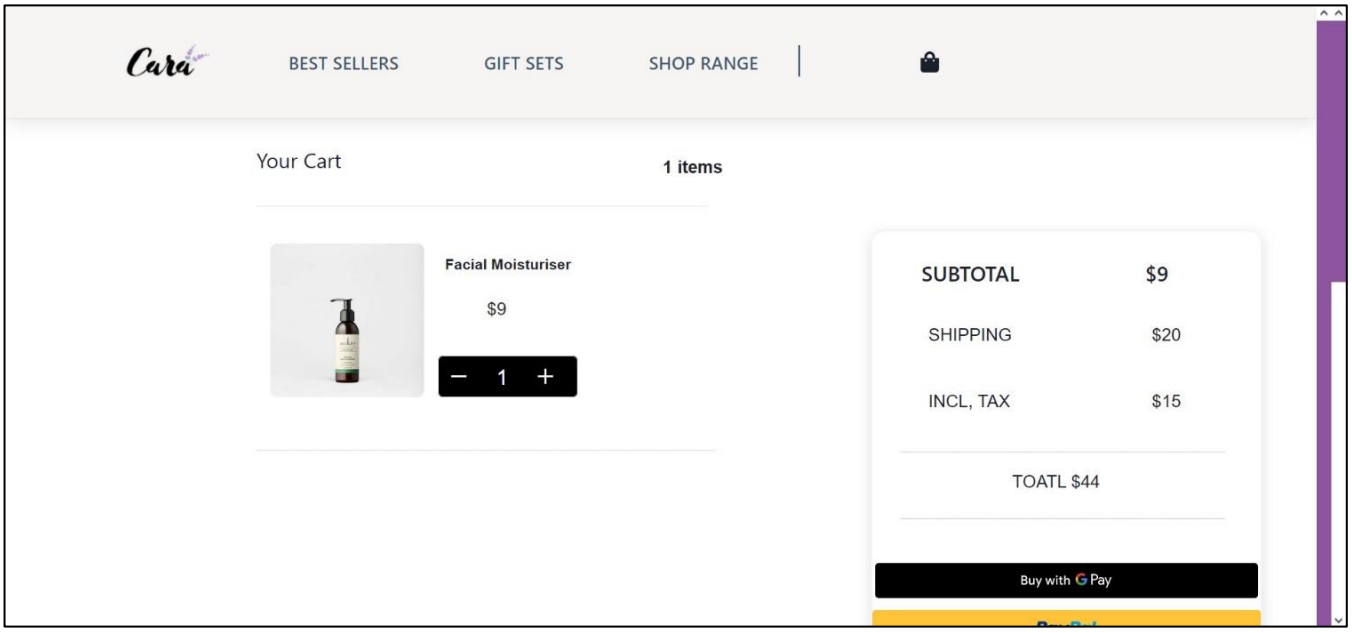
# Working With Project

## Snapshots: -




Cara
BEST SELLERS
GIFT SETS
SHOP RANGE
BODY
HAIR
TRAVEL
NEW
BODY WASH
BODY SCRUB
BODY LOTIONS
BODY OIL
HAND WASH
HAND CREAMS
COFFEE BODY SCRUB
COCONUT BODY WASH
COCONUT BODY WASH


Cara
BEST SELLERS
GIFT SETS
SHOP RANGE
Your Cart
1 items
Facial Moisturiser
$9
1
SUBTOTAL
$9
SHIPPING
$20
INCL, TAX
$15
TOATL $44
Buy with G Pay

# CONCLUSION AND SCOPE FOR FUTURE WORK

## Conclusion: -

"**E Commerce is an Evolution**" - By using electronic technology through the internet, it achieved: More competition, more marketplaces, faster transactions, and more advanced technologies to make activities between customers and producers more active. We as customers and internet users are responsible for keeping our e-commerce healthy and safe so that e-business can be more reliable in future.

## Future Works: -

The work done in project can be extended along several interesting directions, among these are: -

I. We can link the Website with Cloud so the website could be made commercially available.

II. Various other categories of products can also be added to this website.

III. More functionalities could be added to provide an overall great experience for the user.