E-COMMERCE WEBSITE USING
JAVASCRIPT / HTML / CSS / REACT.JS

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ACKNOWLEDGEMENT

I would like to express my special thanks of gratitude to my teacher Mr. Vinay Dubey as well as our college(Delhi Technological University, Delhi)which gave me the golden opportunity to do this wonderful project on the topic "E-COMMERCE WEBSITE IMPLEMENTED USING JAVASCRIPT / HTML / CSS / REACT.JS" , which also helped me in doing a lot of Research and I came to know about so many new things I am really thankful to them.

Secondly I would also like to thank my parents and friends who helped me a lot in finalizing this project within the limited time frame.

ABSTRACT

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. In this project I have made a website using React.js Node.js and JavaScript that works like a E-Commerce site such as Amazon, Flipkart, WalMart, etc. The functionality that I have provided are listed below:

-Sign Up
-Log In and Log Out
-Product Component
-Add to Basket
-Remove From Basket
-Calculating the total amount
-Interactive Interface

1. TABLE OF CONTENT

CHAPTER 1.1: PROBLEM STATEMENT

As we are in 21st century now and everything is being digitalized. From taking classes, making notes to banking transactions as well as shopping. In this project I have prepared a online E-Commerce website with an aim to digitalize buying and selling stuffs. Well, you'll say that there are already well established Online E-Commerce giants like Amazon, Flipkart, Snapdeal, etc. in India then why even create a new one that would be same as them then I would like to tell you that I am not actually from India, I am from Nepal and there are not any well established E-Commerce website in Nepal. There are just few and they are not even any good. With this project I have taken a foot ahead in the direction to make a E-Commerce website that can be the next big thing in the Online marketplace for my country. Not only this I along with few of my friends have actually started a E-Commerce site in my city but that is built upon php and I actually want to make a transition towards React.js / Node.js to make it more responsive and have a high usage and easy maintainability and handling of the site.

CHAPTER 1.2: BRIEF INTRO OF ALL THE API'S AND COMPONENTS USED

HTML5

CSS3

JavaScript

Hypertext Markup Language 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 and scripting languages such as JavaScript

Cascading Style Sheets 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

JavaScript, often abbreviated as JS, is a programming language that conforms to the ECMAScript specification. JavaScript is high-level, often just-in-time compiled, and multi-paradigm. It has curly-bracket syntax, dynamic typing, prototype-based object-orientation, and first-class functions

CHAPTER 1.2: BRIEF INTRO OF ALL THE API'S AND COMPONENTS USED

React.js

Node.js

FireBase

React is an open-source, front end, JavaScript library for building user interfaces or UI components. It is maintained by Facebook and a community of individual developers and companies. I have used react.js for writing my program. In react we have to write code in JSX format and later it gets converted to respective JavaScript by Babel Compiler

Node.js is an open-source, cross-platform, back-end, JavaScript runtime environment that executes JavaScript code outside a web browser. I have used node.js for creating a runtime environment for my project

Firebase is a platform developed by Google for creating mobile and web applications. It was originally an independent company founded in 2011. In 2014, Google acquired the platform and it is now their flagship offering for app development. I have used Firebase in this project for hosting my website and I am planning to use the database feature of Firebase in future for maintaining the database for my app
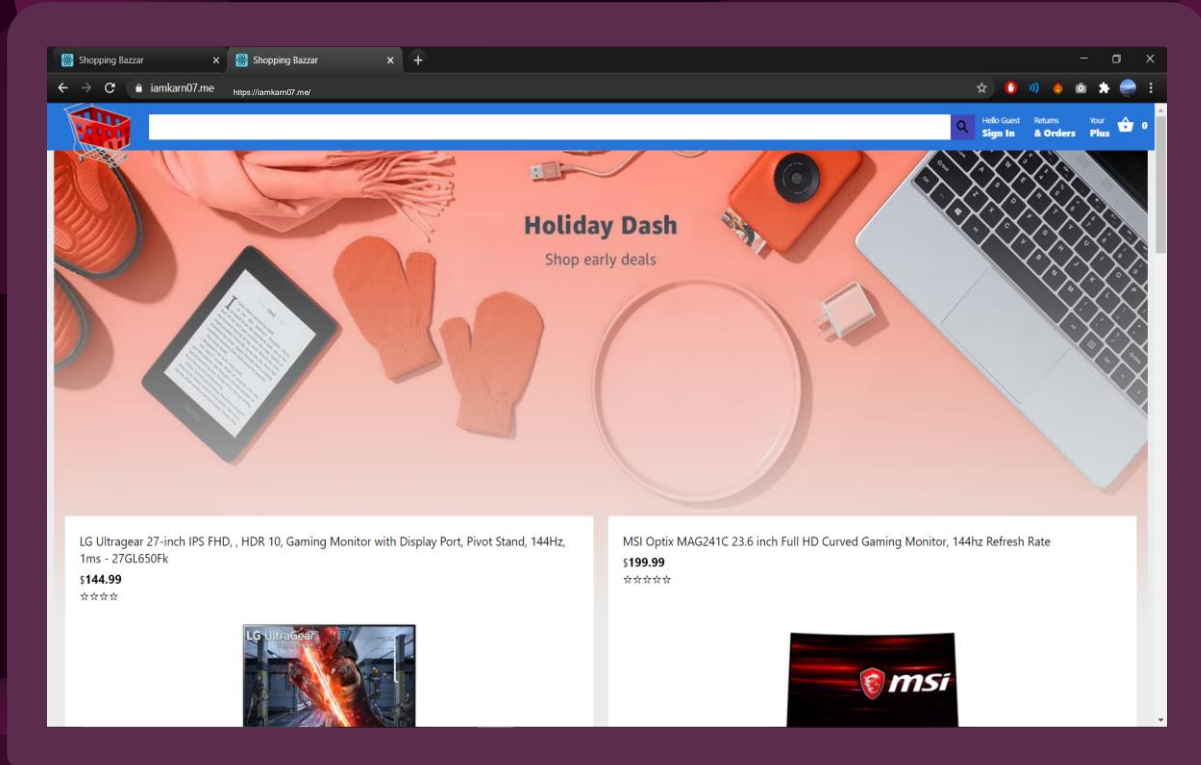
CHAPTER 1.3: GOAL OF THE PROJECT

Functionality That I have Given in this E-Commerce Website:

- Sign Up
- Log In and Log Out
- Product Component
- Add to Basket
- Remove From Basket
- Calculating the total amount
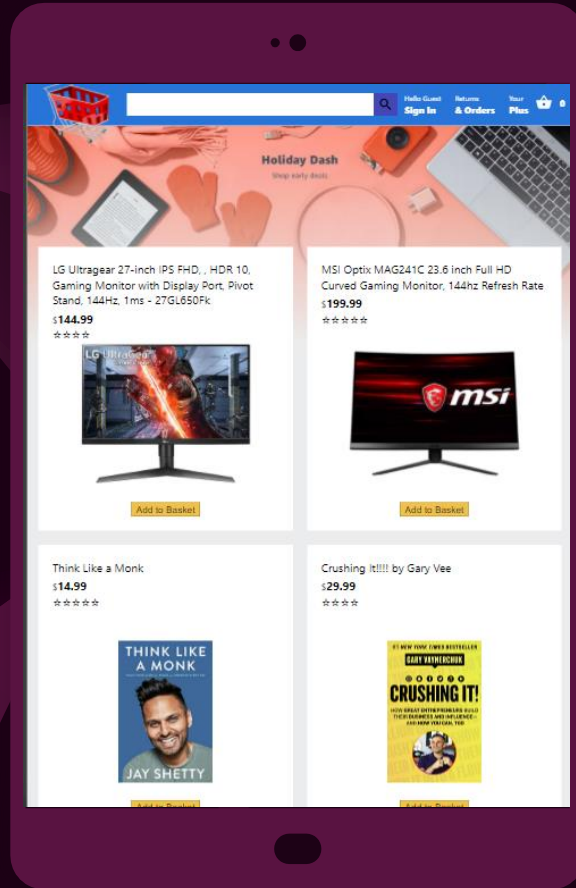- Interactive Interface

Final Aim:
1) To Develop Skills of Web Technology
2) Making an interactive Website

CHAPTER 2: TECHNICAL DOCUMENTATION AND RESULTS

TABLET PROJECT

CHAPTER 3: CONCLUSION AND REFERENCES

From this project I would like to conclude that I have actually learnt a great deal about web development and a guy who was not at all interested in building web based application I have actually come to like it and I will be making a few more projects on the web development. Also not to forget having an E-Commerce website of your own business actually has so many advantages. Some of them are as follows:

1) Can Broaden Your Brand

2) It's More Convenient

3) Increase Your Reach

4) Gives You Marketing Opportunities

5) Scalable

CREDITS

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- 2) https://www.w3schools.com/js/
- 3) https://www.coursera.org/
- 4) https://www.youtube.com/user/TechGuyWeb (Traversy Media)
- 5) https://www.youtube.com/channel/UCIb9ONQQcskPUGDIXsQEz5Q (Dev. Ed)

THANKS!