MINI PROJECT-II
(2020-21)

TRUE CART

SYNOPSIS

Institute of Engineering & Technology

Team Members

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Supervised By

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Introduction

Building an E-Commerce (Electronic commerce) Web Application for the users who want to search the product or buy the different products online. In this application users can search the different products, filter the products, check the product in stock / out of stock and create cart after signup / sign in. By creating cart they are able to add the items, remove the items, see their total price and check the status of the order. This application will be build using front-end as well as back-end web technologies. We will provide a user-friendly interface so that users get never stuck.

The objective of the project

Although, there are many existing web applications are available but we are trying to reach the customers who are not able to buy the things online because of the unavailability of the product when they want, there is a high possibility that the product is not deliverable in their area or they lost their trust in online purchasing because of some providers who only rob them. And we can also use this project to run the local businesses online that will help in the growth and development of the person as well as for the country also. We are providing original and genuine products to the users with the best price.

Hardware and Software Requirements

a. Hardware

- Processor: Minimum 1 GHz; Recommended 2GHz or more.

- Ethernet connection (LAN) OR a wireless adapter (Wi-Fi).

- Hard Drive: Minimum 32 GB; Recommended 64 GB or more.

- Memory (RAM): Minimum 4 GB; Recommended 8 GB or above.

b. Software

- Windows Operating System.

- IDE – Visual Studio Code.

- GitHub Desktop.

Technology used

* HTML
* CSS
* Bootstrap
* JavaScript
* React JS
* Node JS
* Express JS
* Mongo DB

Testing technologies to be used

- Tablet
- Laptop
- Smartphone

Project Workflow

Gantt chart:

TASKS	Duration (2, Feb 2021 to 30, Apr 2021)		
	February	March	April
Understanding Problem	▶		
Topic Finalization	▶		
Project Synopsis	★		
Wireframe		▶	
Mockup + Review		▶	
Learning React JS and other frameworks	▬▬▬▶		
Content Creation		▶	
Model Implementing		▬▬▬▶	
Testing and Review			▶
Launch			▶

Team Contribution

The creation of teams has become a key strategy in making our project. Team building is an essential element in supporting and improving the effectiveness of tasks during making of our project. Our team will include the total strength of two persons and we are dividing our project into modules which becomes easier to divide our work. We are going to divide the modules according to the complexity and also availability of the person. If the task is too complex we both work together and if the task is not much complex then we will perform it individually.

In the front-end part, the user interface design will be made by Kshitij Gupta and its implementation will be done by Ayush Gupta. After this, in the back-end, authentication part will be done by Ayush Gupta then search / filter, cart page feature will be handle by Kshitij Gupta and last but not least order status and updating feature will be handle by Ayush Gupta.

Applications

Some of the application of this project:

1. This web application allow users to buy the things online in a very efficient manner. This will help the users to save their time as well as money.
2. We are providing direct marketing between seller and customer that will reduce the cost of capital.
3. Run this project for local business.

Future scope

Future Scope of Project:

1. There will be no need of extra employees during the selling of the Product.
2. We will alert the users whenever there is the dropdown in the price of product that will save the internet and browsing time for the users.
3. Use this project to run the small local business online so that the businesses which are shut down due to online shopping can stand alone.

Scope for extension into a major project

Things that can be added to extend this project into a major one:

1. Include a price tracker feature which will notify the user whenever there is a price dropdown in the selected product.
2. Convert this web application into an android or iOS application for an easy access.
3. Enable this application to accept all type of payment methods and make sure the best security mechanism for the data.
4. We can increase the efficiency of our system and using cloud technology we will manage the load or traffic on our website.
5. We will try to implement this project for home businesses also. So that they can sell their products online as well as offline.

Signature of Project Guide: