

MINI PROJECT-II REPORT

On

“Spicy Treat Website”

Submitted by

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Declaration

We hereby declare that the work which is being presented in the Mini Project “**SPICY TREAT WEBSITE**”, in partial fulfillment of the requirements for Mini Project viva voce, is an authentic record of our own work carried by the team members under the supervision of our mentor Mr. Piyush Vashistha.

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Course: B. Tech (Computer Science and Engineering)

Year: 3rd

Semester: 5th

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Certificate

This is to certify that the above statements made by the candidates are correct to the best of my/our knowledge and belief.

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About the Project

Our project is all about a Spicy Treat Restaurant website which facilitates you to connect with people around the world with our impressive service delicious foods. Restaurant with Hospitality service is one of the leading ways of interaction that takes place between the people these days. This project provides an idea of developing the website for the Restaurant. Using website and Webpage, we would connect and advertise on social networking websites such as Facebook, Instagram, LinkedIn, Twitter and so on. Social Networking means a group of people come together to know each other through the facility of the internet. The social media helps us to share the videos, images, stories, and lot of other things. You can form small groups which helps you to share the information that is required through this project. This feature of the Social-Media enables us to promote ourselves. we— Through this project the people will be able to know more about the Branding and Restaurant.

Motivation

Feeding is a method of using Creativity to bring people and ideas together despite of the geographical barriers. The technology has been available for years, but the acceptance was quite recent. Our project is an example of a Food Ordering Website. By owning a Restaurant, you can create a safe space and a pleasant environment for people who seek it, and give people space to socialize! You can make it your brand if you want, bringing people together and offering amazing service seems simple, but it's such an impactful thing!

Passion = Profitability.

To even contemplate entering the restaurant business, you must have a passion for it. With potentially long hours, sacrifices and risks, entering the restaurant business is not for the faint-hearted. Your love for what you do, and wanting to provide your customers with the very best experience each time they enter your building, can allow you to build a long-lasting business. If you like making decisions and are confident that you can lead your team to help you achieve success, you have nothing to lose but everything to gain.

A sense of freedom.

What is this elusive sense of freedom that entrepreneurs talk about? Work is work, right? It depends on what your current situation is, and what your expectations are. Freedom could be from the sense of not having to clock in and off at the start of your working day. It could be freedom from a 9-5 schedule and being able to choose the hours that you work to suit your family. Freedom can be being able to go for a surf midafternoon to make the most of those waves.

Be your own boss.

Being your own boss allows you to call the end shot. You can make the big decisions and be master of your own destiny. You can utilize all the skills that you have gained previously through life experiences to shape your future.

Being your own boss entails a new set of responsibilities and areas that can cause different stresses and worries that should not be glossed over. The risk is firmly on your shoulders, and can feel overwhelming; however, there are opportunities out there that can help carry the burden, for example, a subs franchise can allow you to achieve your dream, but with the added support of tried and tested strategies to guide you to success.

Choose your team.

The ability to like all of your colleagues is in itself life changing. You can choose who you spend your working hours with. Hiring the right people to support you in your business is both challenging and time-consuming, but if you get it right? You have hit gold. You need to find the balance between liking the person and being able to recognize the skills that they (literally) bring to the table. Remember: you define the work culture of your establishment by the team that you select; you define the customers' experience by the team that you select – your profits depend on getting it right.

Community.

Every community benefit from having a safe and pleasant hub where people can meet and socialize. Unlike profit or staff turnover, community spirit is unquantifiable, but can feel like the icing on the cake. Watch your profits make your establishment the first call for local people to go to for birthday celebrations, lunches out with the family or even a solo coffee with a good book.

Requirements

a). Software Requirements:

- Technology Implemented: Full Stack Web Development
- Languages/Technologies Used: MERN Stack
- IDE Used: Visual Studio Code
- Web Browser: Google Chrome

- GitHub: GitHub is a code hosting platform for version control and collaboration. It lets you and others work together on projects from anywhere. GitHub Repository: A GitHub repository can be used to store a development project. It can contain folders and any type of files (HTML, CSS, JavaScript, Documents, Data, Images). A GitHub repository should also include a license file and a README file about the project. A GitHub repository can also be used to store ideas, or any resources that you want to share.

- Visual Studio Code: Visual Studio Code is a free source-code editor made by Microsoft for Windows, Linux and macOS. [7] Features include support for debugging, syntax highlighting, intelligent code completion, snippets, code refactoring, and embedded Git. Users can change the theme, keyboard shortcuts, preferences, and install extensions that add additional functionality. Microsoft has released Visual Studio Code's source code on the VS Code repository of GitHub.com, under the permissive MIT License, while the compiled binaries are freeware.

b). Hardware Requirements:

- Processor Required: Intel i5
- Operating System: Windows 10
- RAM: 8GB
- Hardware Devices: Computer System
- Hard Disk: 256GB

Acknowledgement

We thank the almighty for giving us the courage and perseverance in completing the project. This project itself is an acknowledgement for all those people who have given us their heartfelt co-operation in making this project a grand success. We extend our sincere thanks to Mr. Piyush Vashistha, Assistant Professor at “GLA University, Mathura” for providing his valuable guidance at every stage of this project work. We are profoundly grateful towards the unmatched services rendered by him. And last but not least, we would like to express our deep sense of gratitude and earnest thanksgiving to our dear parents for their moral support and heartfelt cooperation in doing the main project.

Spicy Treat Website

Abstract

As the name suggests, our project is all about a Spicy Treat Restaurant website which facilitates you to connect with people around the world with our impressive service delicious foods. Restaurant with Hospitality service is one of the leading ways of interaction that takes place between the people these days. This project provides an idea of developing the website for the Restaurant. Using website and Webpage, we would connect and advertise on social networking websites such as Facebook, Instagram, LinkedIn, Twitter and so on. Social Networking means a group of people come together to know each other through the facility of the internet. The social media helps us to share the videos, images, stories, and lot of other things. You can form small groups which helps you to share the information that is required through this project. This feature of the Social-Media enables us to promote ourselves. we— Through this project the people will be able to know more about the Branding and Restaurant.

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Chapter 1

Introduction

Spicy Treat offers a wide range of Indian delicacies meticulously prepared using only the finest ingredients and freshest produce available. You are about to taste a vast selection of authentic Indian cuisine, the way it's meant to be cooked with a variety of herbs and spices unique to each Indian state. Our Restaurant's objective is geared towards providing a satisfying customer experience that includes enjoyable food and relaxing atmosphere; intends professional, hygienic, and attractive services. We, at Spicy Treat, eagerly anticipate visitors' feedback in a positive sense for our best reform to do.

Pre-requisite

Hands-on knowledge of MERN Stack is essential before working on the concepts for making of webpages. Make sure that you have the browser or chrome installed and running before opening website.

DEFINITION OF TERMS

FOOD: Any nutritious substance that people or animals eat or drink, or that plant absorbs, in order to maintain life and growth.

MENU: A list of dishes available in a restaurant or the food available or to be served in a restaurant or at a meal for example "a dinner-party menu", "politics and sport are on the menu tonight".

ONLINE FOOD ORDERING: Online food ordering services are websites that feature interactive menus allowing customers to place orders with local restaurants and food cooperatives.

CREDIT CARD: A credit card is a payment card issued to users as a system of payment. It allows the cardholder to pay for goods and services based on the holder's promise to pay for them.

ORDERING SYSTEM: This is referred to as a set of detailed methods that is being used in handling the ordering process.

RESTAURANT: (eating place) is a place where meals and drinks are sold and served to customers.

CUSTOMER: Sometimes known as a client, buyer, or purchaser) is the recipient of goods, services, products or idea obtained from a seller, vendor, or supplier for a monetary or other valuable consideration.

Chapter 2

Technologies Used (MERN Stack)

MongoDB

MongoDB is an open-source document database and leading NoSQL database. MongoDB is written in C++. This tutorial will give you great understanding on MongoDB concepts needed to create and deploy a highly scalable and performance-oriented database.

10gen software company began developing MongoDB in 2007 as a component of a planned platform as a service product.

Express Js

Express is a minimal and flexible Node.js web application framework that provides a robust set of features to develop web and mobile applications. It facilitates the rapid development of Node based Web applications.

Express.js was founded by TJ Holowaychuk. The first release, according to Express.js's GitHub repository, was on 22 May 2010.

React Js

React, sometimes referred to as a frontend JavaScript framework, is a JavaScript library created by Facebook.

React is a tool for building UI components.

Instead of manipulating the browser's DOM directly, react creates a virtual DOM in memory, where it does all the necessary manipulating, before making the changes in the browser DOM.

React was created by Jordan Walke, a software engineer at Facebook, who released an early prototype of React called "FaxJS". He was influenced by XHP, an HTML component library for PHP.

Node Js

Node.js is an open-source, cross-platform, back-end JavaScript runtime environment that runs on the V8 engine and executes JavaScript code outside a web browser. Node.js lets developers use JavaScript to write command line tools and for server-side scripting—running scripts server-side to produce dynamic web page content before the page is sent to the user's web browser.

Node.js was written initially by Ryan Dahl in 2009, about thirteen years after the introduction of the first server-side JavaScript environment, Netscape's LiveWire Pro Web. The initial release supported only Linux and Mac OS X. Its development and maintenance were led by Dahl and later sponsored by Joyent.

HTML

HyperText Markup Language (HTML), alongside JavaScript and CSS, is a foundational web technology.

Its basic purpose is to structure text which occurs by formatting documents for display on a web page.

HTML5, released in 2014, empowered HTML to natively include multimedia elements as well, such as video and audio. This development eliminated the need for Adobe Flash Player and similar plug-ins.

CSS

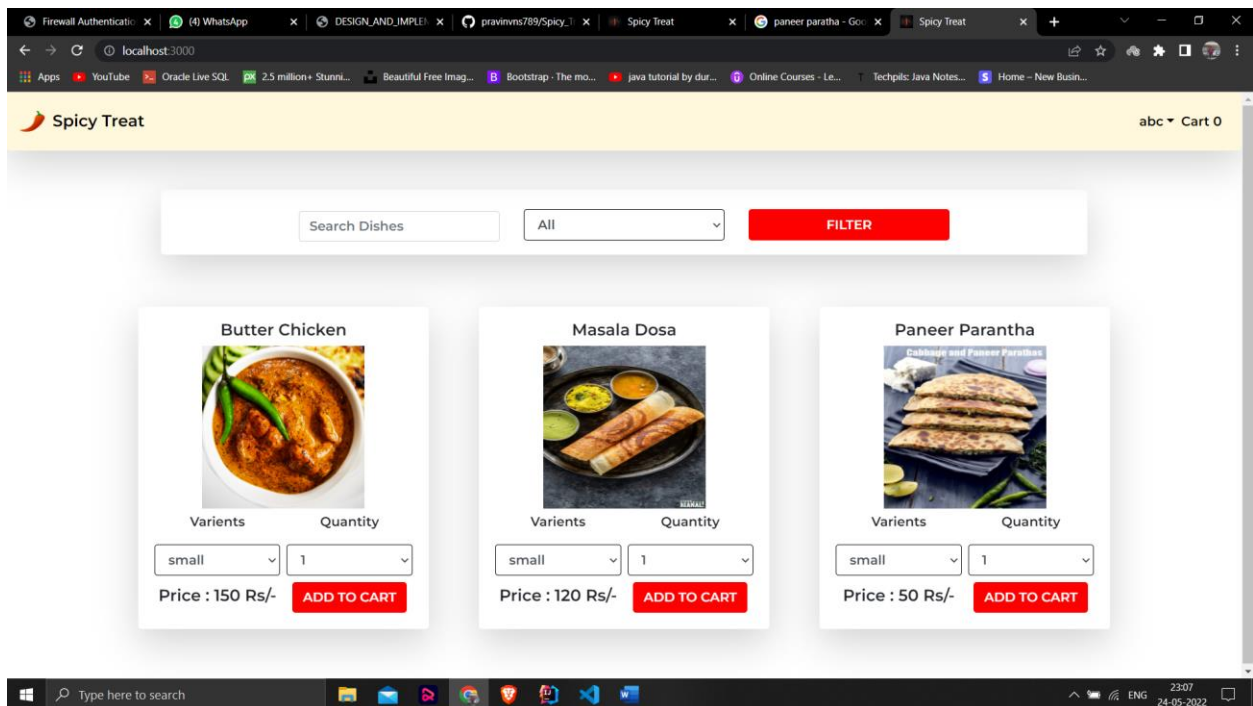
Cascading Style Sheets (CSS) denotes the styling and presentation of a document. For instance, any HTML document counts on CSS to manage the visual details of the web page.

Layouts, colors, and fonts are all under the jurisdiction of CSS. And CSS3 — the latest edition of CSS as of 2001 — modularized CSS specifications, giving developers more flexibility overall.

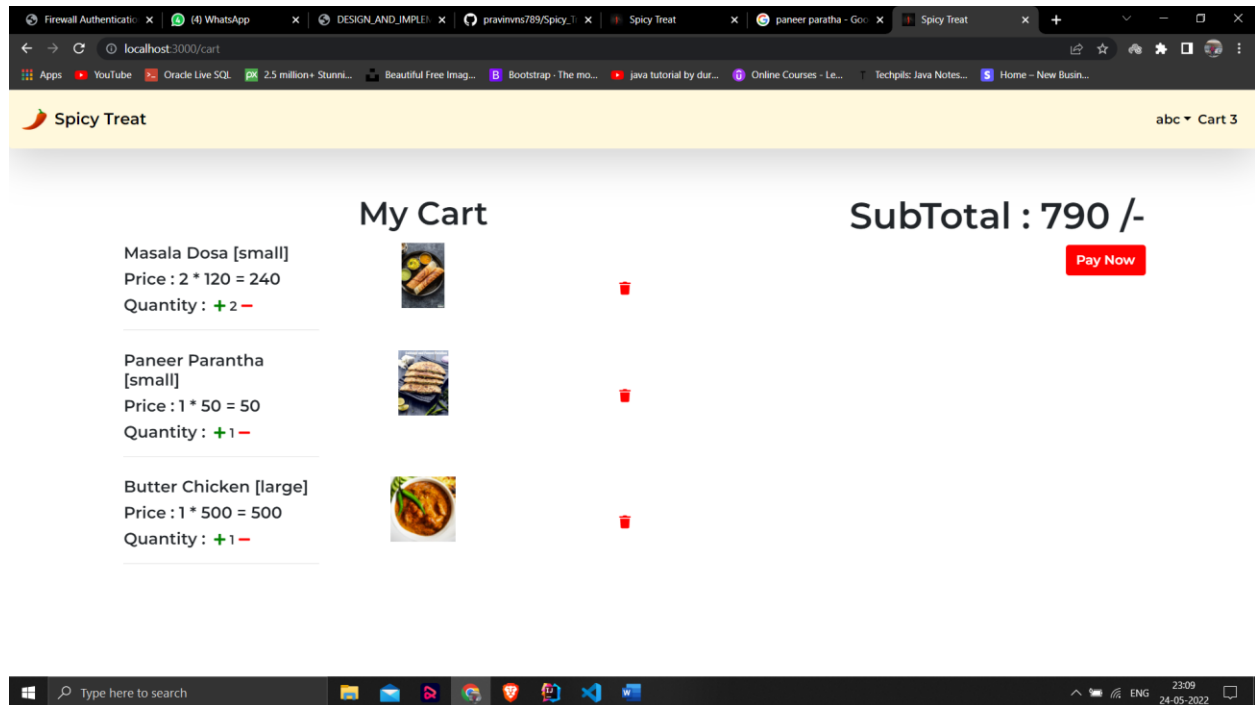
Chapter 3

List of Figures

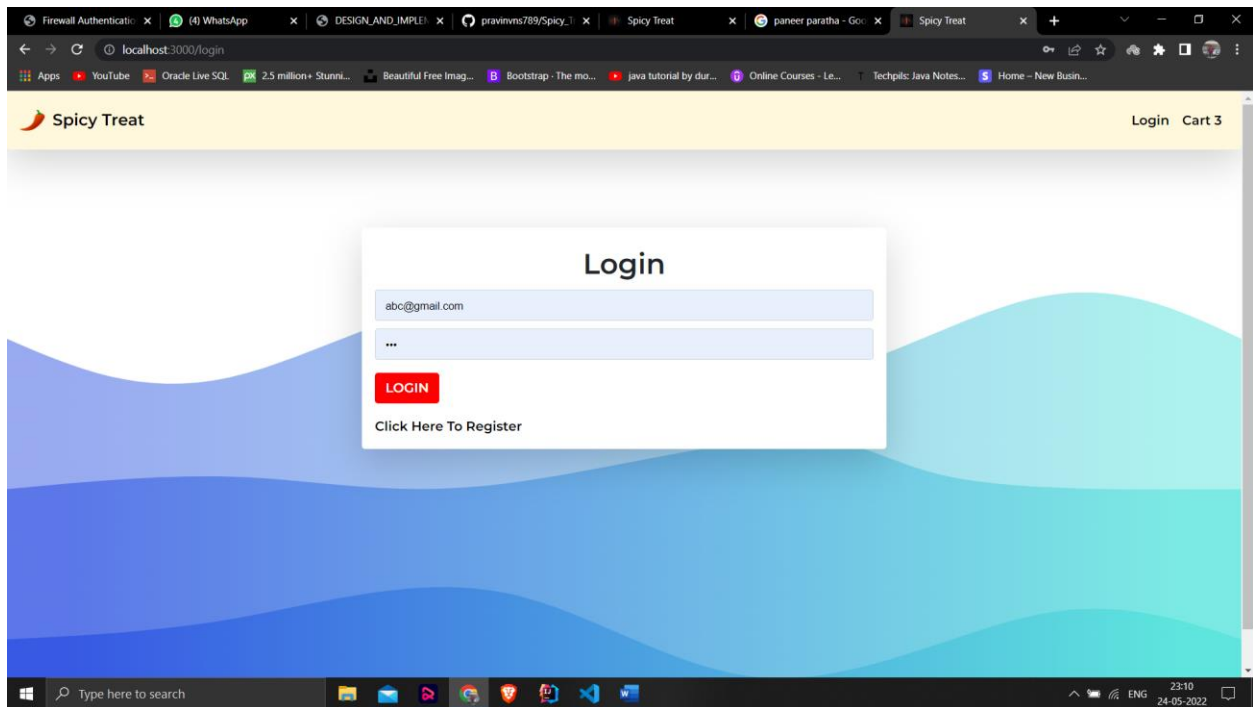
1. Home Page



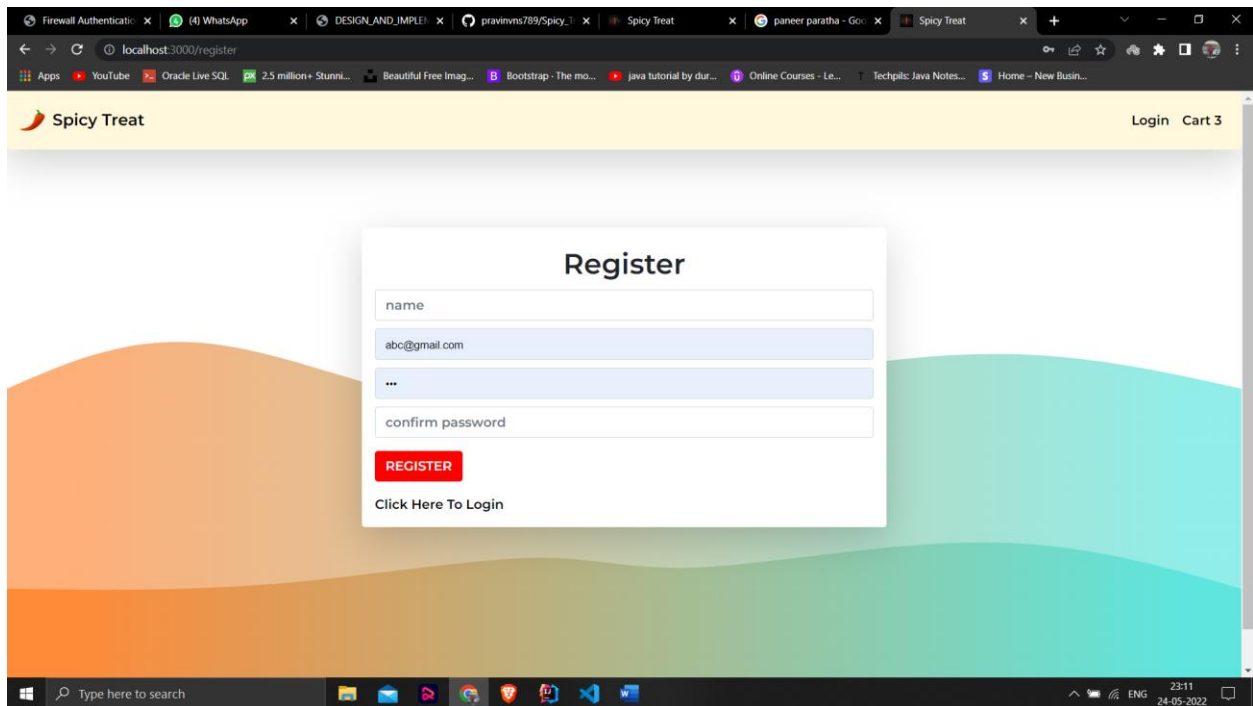
2. Cart



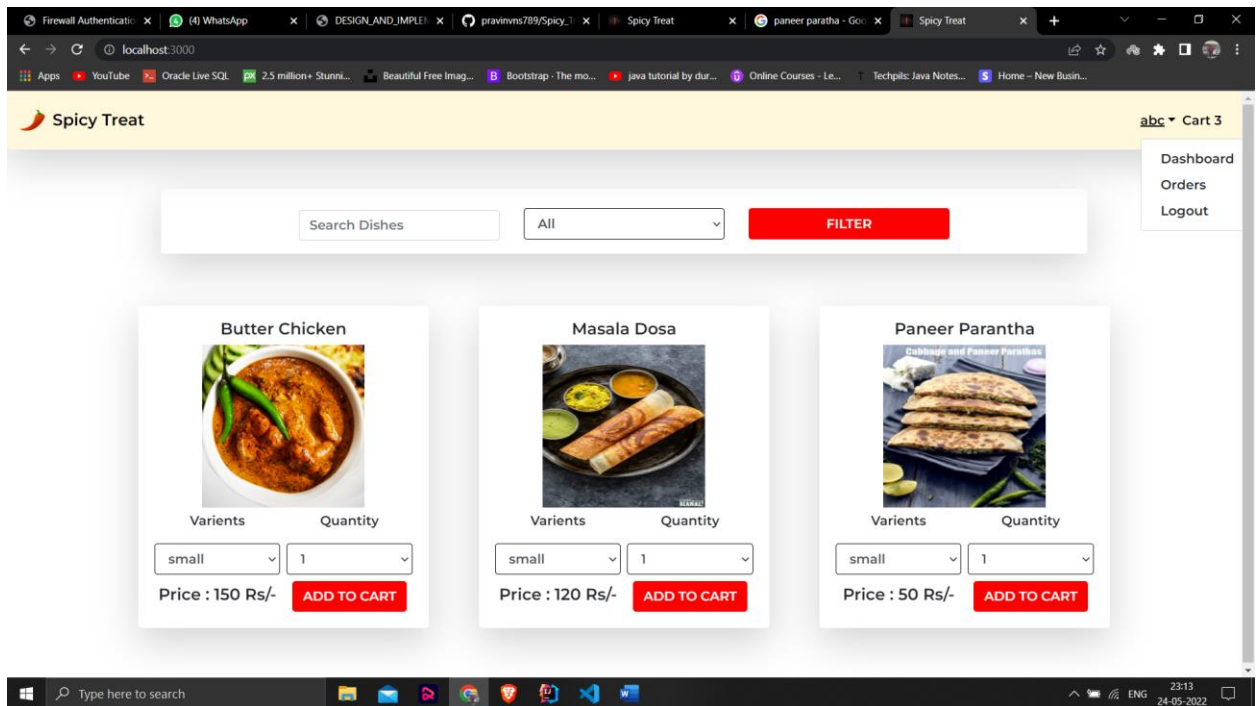
3. Login



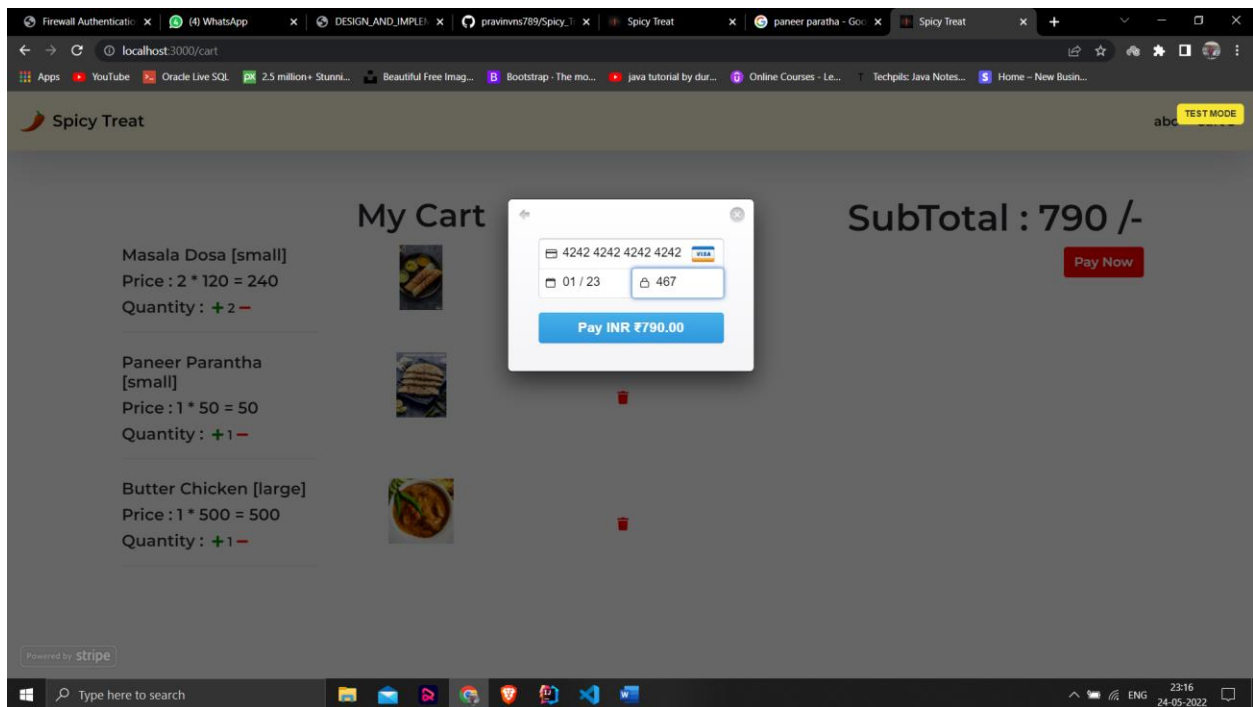
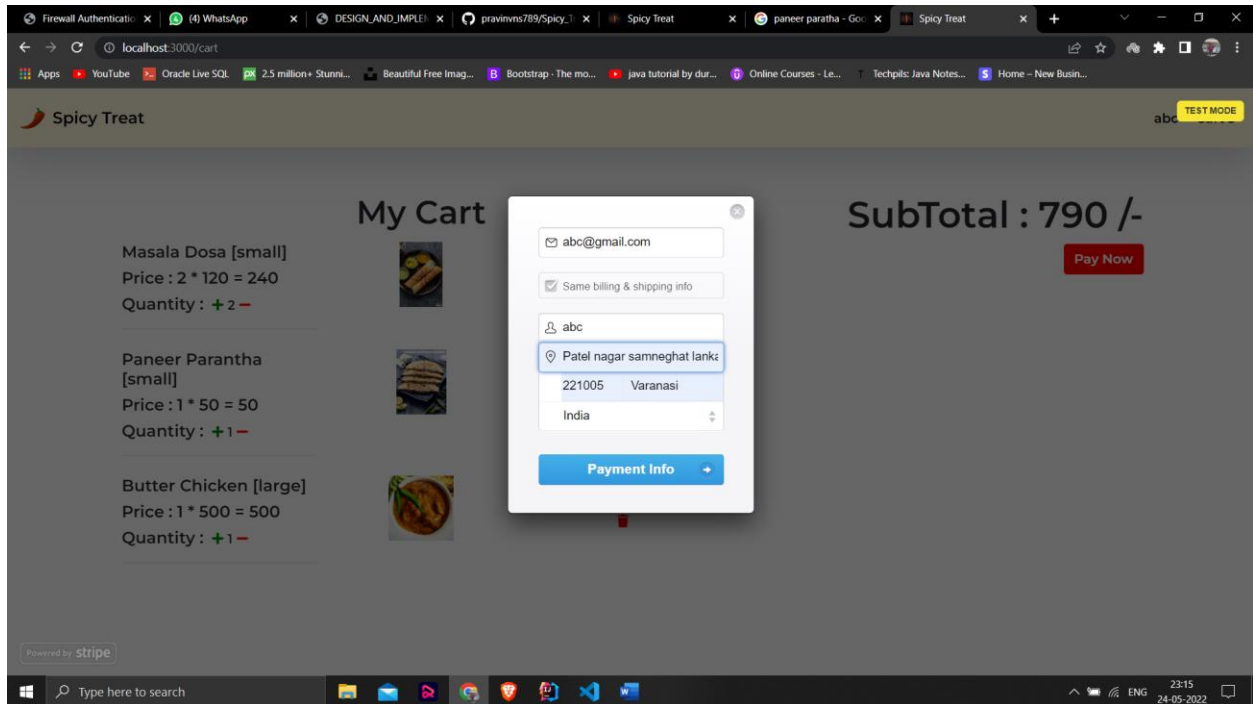
4. Register Page



5. Dropdown



6. Payment Gateway



Payments

Export Create payment

5 results

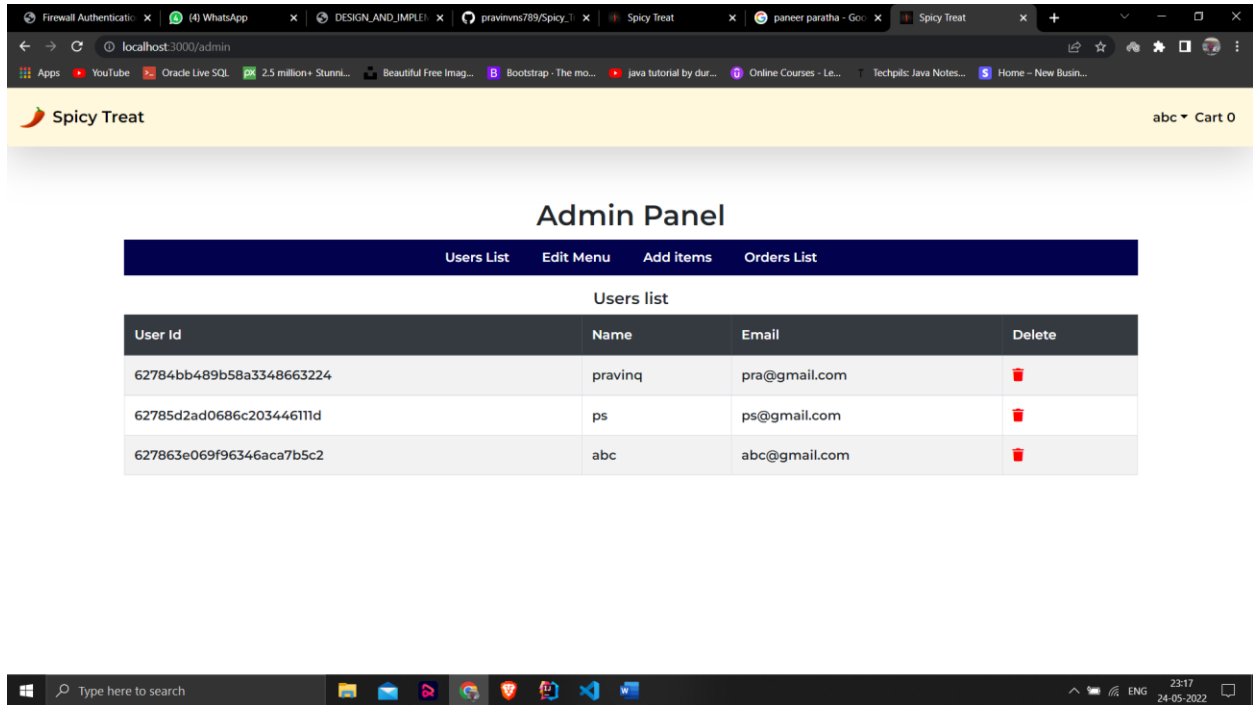
AMOUNT	DESCRIPTION	CUSTOMER	DATE
₹790.00 INR	ch_3L31oFCz0XnruAwd0qXey7tn	abc@gmail.com	May 24, 11:16 PM
₹200.00 INR	ch_3L210UCz0XnruAwd1m76uhG0	abc@gmail.com	May 22, 10:46 PM
₹200.00 INR	ch_3L2HTKCz0XnruAwd0ZnSk63F	abc@gmail.com	May 22, 10:14 PM
₹600.00 INR	ch_3KxRaOCz0XnruAwd0rCbPv1H	abc@gmail.com	May 9, 1:34 PM
₹150.00 INR	ch_3KxRQVCz0XnruAwd1B6nr3c1	abc@gmail.com	May 9, 1:24 PM

7. Ordered list

My Orders

Items	Address	Order Info
Masala Dosa [small] * 2 = 240 Paneer Parantha [small] * 1 = 50 Butter Chicken [large] * 1 = 500	Street : Patel nagar samneghat lanka City : Varanasi Country : India Pincode : 221005	Order Amount : 790 Date : 2022-05-24 Transaction Id : card_1L31oACzWXnruAwdSXnbhehx Order Id : 628d19eda0b4b542b83ba759
PEPPER BARBECUE CHICKEN [small] * 1 = 200	Street : MN/31/E-8 mahadev nagar, Shamshabad road near rajeshwar mandir City : Agra Country : India	Order Amount : 200 Date : 2022-05-22 Transaction Id : card_1L210PCzWXnruAwdVR031aMZ Order Id : 628a6ff53c38a746a820fd4e

8. Admin panel






Spicy Treat abc Cart 0

Admin Panel

Users List Edit Menu Add items Orders List

Users list

User Id	Name	Email	Delete
62784bb489b58a3348663224	pravinq	pra@gmail.com	
62785d2ad0686c203446111d	ps	ps@gmail.com	
627863e069f96346aca7b5c2	abc	abc@gmail.com	

Firewall Authent... x (4) WhatsApp x DESIGN_AND_JMPL... x pravinvs789/Spicy... x Spicy Treat x paneer paratha - Go... x Spicy Treat x +

localhost:3000/admin/addpizza

Apps YouTube Oracle Live SQL 2.5 million+ Stunni... Beautiful Free Imag... Bootstrap - The mo... java tutorial by dur... Online Courses - Le... Techpals: Java Notes... Home - New Busin...

Spicy Treat abc Cart 0

Admin Panel

Users List Edit Menu Add Items Orders List

Add item

name

small variant price

medium variant price

large variant price

category

description

image url

Add Dish

Type here to search

23:18 24-05-2022

Firewall Authent... x (4) WhatsApp x DESIGN_AND_JMPL... x pravinvs789/Spicy... x Spicy Treat x paneer paratha - Go... x Spicy Treat x +

localhost:3000/admin/orderslist

Apps YouTube Oracle Live SQL 2.5 million+ Stunni... Beautiful Free Imag... Bootstrap - The mo... java tutorial by dur... Online Courses - Le... Techpals: Java Notes... Home - New Busin...

Spicy Treat abc Cart 0

Admin Panel

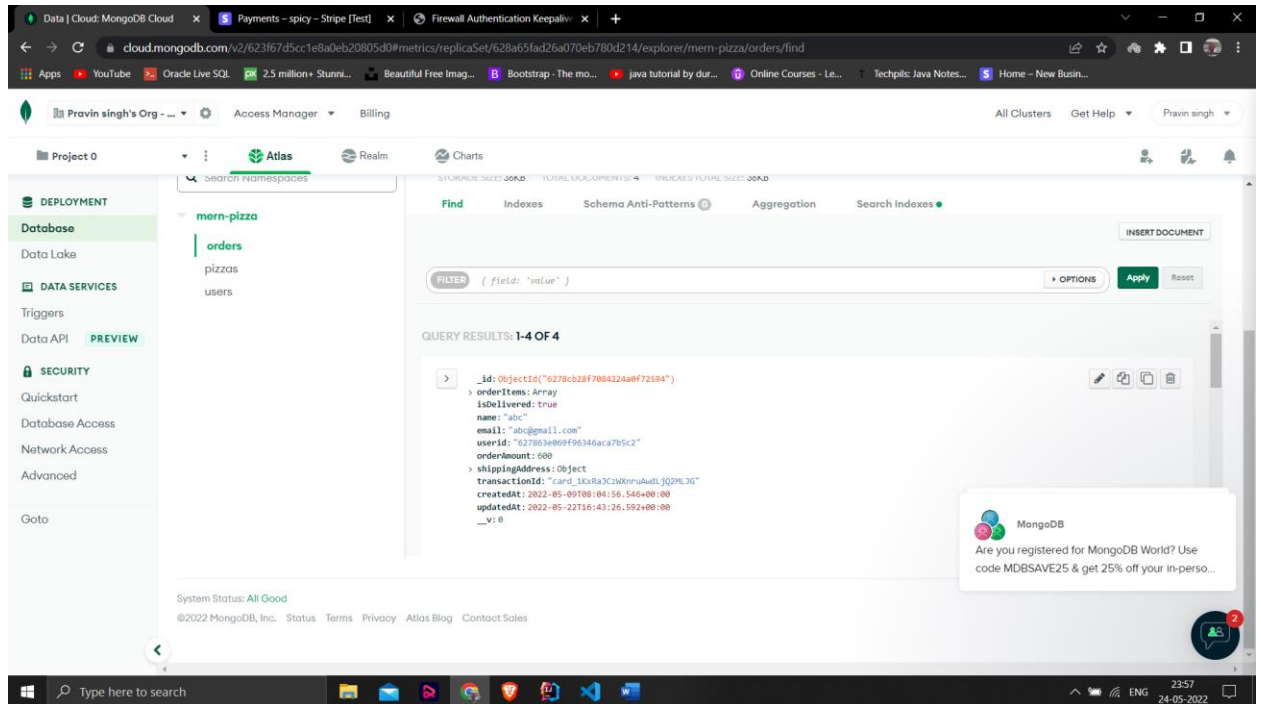
Users List Edit Menu Add Items Orders List

Order Id	Email	User Id	Amount	Date	Status
6278cb28f7084224a0f72594	abc@gmail.com	627863e069f96346aca7b5c2	600	2022-05-09	Delivered
628a686fbc9bb63f94cdb6d7	abc@gmail.com	627863e069f96346aca7b5c2	200	2022-05-22	Delivered
628a6ff53c38a746a820fd4e	abc@gmail.com	627863e069f96346aca7b5c2	200	2022-05-22	Delivered
628d19eda0b4b542b83ba759	abc@gmail.com	627863e069f96346aca7b5c2	790	2022-05-24	Deliver

Type here to search

23:18 24-05-2022

9. Database



Chapter 4

Software Testing

Once source code has been generated, software must be tested to uncover as many errors as possible before delivery. It is very important to work the system successfully and achieve high quality of software. Testing includes designing a series of test cases that have a high likelihood of finding errors by applying software-testing techniques. System testing makes logical assumptions that if all the parts of the system are correct, the goal will be successfully achieved. The system should be checked logically. Validations and cross checks should be there. Avoid duplications of record that cause redundancy of data. In other Words, Testing is the process of evaluating a system or its component(s) with the intent to find whether it satisfies the specified requirements or not. It is executing a system in order to identify any gaps, errors, or missing requirements in contrary to the actual requirements.

The preliminary goal of implementation is to write source code and internal documentation so that conformance of the code to its specifications can be easily verified, and so that debugging, testing and modifications are eased. This goal can be achieved by making the source code as clear and straightforward as possible. Simplicity, clarity and elegance are the hallmark of good programs, obscurity, cleverness, and complexity are indications of inadequate design and misdirected thinking. Source code clarity is enhanced by structured coding techniques, by good coding style, by, appropriate supporting documents, by good internal comments,

and by feature provided in modern programming languages. The implementation team should be provided with a well-defined set of software requirement, an architectural design specification, and a detailed design description. Each team member must understand the objectives of implementation.

4.1 TERMINOLOGY

Error The term error is used in two ways. It refers to the difference between the actual output of software and the correct output, in this interpretation, error is essential a measure of the difference between actual and ideal. Error is also used to refer to human action that result in software containing a defect or fault.

Fault is a condition that causes to fail in performing its required function. A fault is a basic reason for software malfunction and is synonymous with the commonly used term Bug.

Failure is the inability of a system or component to perform a required function according to its specifications. A software failure occurs if the behavior of the software is the different from the specified behavior. Failure may be caused due to functional or performance reasons.

4.2 TYPES OF TESTING

a. Unit Testing The term unit testing comprises the sets of tests performed by an individual programmer prior to integration of the unit into a larger system. A program unit is usually small enough that the programmer who developed it can test it in great detail, and certainly in greater detail than will be possible when the unit is integrated into an evolving software product. In the unit testing the programs are tested separately, independent of each other. Since the check is done at the program level, it is also called program teasing.

b. Module Testing A module and encapsulates related component. So can be tested without other system module.

c. Subsystem Testing Subsystem testing may be independently design and implemented common problems are sub-system interface mistake in this checking we concenton it. There are four categories of tests that a programmer will typically perform on a program unit.

i Functional test

ii Performance test

iii Stress test

iv Structure test

Functional Test Functional test cases involve exercising the code with Nominal input values for which expected results are known; as well as boundary values (minimum values, maximum values and values on and just outside the functional boundaries) and special values.

Performance Test Performance testing determines the amount of execution time spent in various parts of the unit, program throughput, response time, and device utilization by the program unit. A certain amount of avoid expending too much effort on fine-tuning of a program unit that contributes little to the overall performance of the entire system. Performance testing is most productive at the subsystem and system levels.

Stress Test Stress test are those designed to intentionally break the unit. A great deal can be learned about the strengths and limitations of a program by examining the manner in which a program unit breaks.

Structure Test Structure tests are concerned with exercising the internal logic of a program and traversing particular execution paths. Some authors refer collectively to functional performance and stress testing as “black box” testing. While structure testing is referred to as “white box” or “glass box” testing. The major activities in structural testing are deciding which path to exercise, deriving test data to exercise those paths, determining the test coverage criterion to be used, executing the test, and measuring the test coverage achieved when the test cases are exercised.

Chapter 5

Conclusion

We have completed our project within time limit with the coordination of our team members under the supervision of our mentor Mr. Piyush Vashistha.

Our project repository is available at

https://github.com/pravinvs789/Spicy_Treat

Chapter 6

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