ONLINE CAKE BOOKING SYSTEM

DEVAS

A PROJECT REPORT SUBMITTED IN PARTIAL

FULFILMENT OF REQUIREMENT

FOR THE AWARD OF THE DEGREE

MASTER OF COMPUTER APPLICATION(MCA)

OF

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

BY

Revathy S

Reg No: 22PMC144

MARIAN COLLEGE
KUTTIKKANAM
(AUTONOMOUS)

MAKING COMPLETE

Marian College Kuttikanam Autonomous

Peermade, Kerala – 685 531

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Under the guidance of

MR . SATHEESH KUMAR S

Assistant Professor

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PG DEPARTMENT OF COMPUTER APPLICATIONS

Marian College Kuttikkanam Autonomous

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KUTTIKKANAM – 685 531, KERALA.

CERTIFICATE

This is to certify that the project work entitled

ONLINE CAKE BOOKING SYSTEM

is a bonafide record of work done by

REVATHY S

Reg. No 22PMC144

In partial fulfillment of the requirements for the award of Degree of

MASTER OF COMPUTER APPLICATIONS [MCA]

During the academic year 2022-2023

MR . SATHEESH KUMAR S

ASSISTANT PROFFESSOR

PG Department of Computer Applications

Marian College Kuttikkanam Autonomous

Mr Win Mathew John

Head of the Department

PG Department of Computer Applications

Marian College Kuttikkanam Autonomous

Internal Examiner

External Examiner

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Finally, I express my deep appreciation to all my friends and family members for the moral support and encouragement they have given to complete this project work successfully.

REVATHY S

ABSTRACT

Deva's Online Homemade Cake Booking website is a user-friendly platform allowing users to register, browse through various homemade cakes, and place orders conveniently. Users can explore cake details, leave reviews, and rate cakes based on their experiences. The website offers categorization for easy cake selection and provides a secure payment system for hassle-free transactions. With features like a shopping cart, order tracking, and enticing cake images, Deva's website aims to provide customers with a seamless and delightful cake-booking experience.

OBJECTIVE AND SCOPE OF THE PROJECT

The main objective of developing ONLINE CAKE BOOKING is to provide a user-friendly environment to shop cakes online in an easy and efficient way.

There are many objectives of this project include

• It’s cost-effective and saves time - By reducing the time taken or finding shops to buy suitable and safe cakes.

• 24/7 accessibility from, anywhere

• The ability to provide reviews so that other users would find it helpful for buying cakes.

METHODOLOGY OF THE PROJECT

The methodology of the Online Homemade Cake Booking System project involved several key steps. Firstly, requirements were gathered from stakeholders to determine the desired features and goals of the system. Next, a comprehensive system design was created, outlining the user interface, database architecture, and technical requirements. Development involved implementing features such as user registration, cake catalog, order placement, and payment processing. A user-friendly and visually appealing interface was designed, ensuring compatibility across different devices. A robust database structure was established to store and manage relevant data securely. Rigorous testing and quality assurance procedures were conducted to identify and resolve any issues. The deployment included

hosting the system and integrating necessary external services. User training and documentation were provided to ensure effective system usage. The launch was carefully planned, and ongoing monitoring and maintenance ensured system performance and user satisfaction. Agile project management methodologies were followed to facilitate collaboration, communication, and adaptability throughout the project.

HARDWARE SPECIFICATION:

- Processor: Intel Core i5
- Hard Disk:1TB
- Ram:8GB

SOFTWARE SPECIFICATION:

- Database server: Sqlite3
- Client: Microsoft Internet Explorer or any browser
- Development Tools: Pycharm. Microsoft visual studio code
- Programming Language: Python

CONCLUSION

The project's online cake booking system aims at providing a user-friendly application for customers to buy Cakes without losing any time by searching for the best shops. Likewise, they can make proper decisions in choosing that cakes are made purely homemade and healthy. With continuous improvement and enhancements, the project has to become a comprehensive and dynamic platform for users.

TABLE OF CONTENTS

1.INTRODUCTION

1.1PROBLEM STATEMENTS

The project aims to address several key problem statements within the context of the Online Homemade Cake Booking System. One of the main issues is the inefficiency and time-consuming nature of current cake-ordering methods. Customers face challenges in accessing a wide variety of homemade cakes and placing orders efficiently. Additionally, home bakers lack a centralized platform to effectively manage their orders and track inventory, leading to potential mismanagement. Another problem is the limited market reach for home bakers, which restricts their opportunities for business growth. To build trust and transparency, the system aims to incorporate features that enable customers to assess the quality and reliability of homemade cake services. Communication and coordination during the ordering process are often inefficient, causing delays and confusion. The project intends to improve the customer experience by creating a platform that effectively showcases homemade cake options and implements automated processes to handle orders, reducing errors and customer dissatisfaction. Furthermore, the system aims to track and organize customer preferences to provide personalized cake options. Lastly, enhancing the system's technological capabilities will enable it to adapt to changing customer demands and market trends.

1.2 PROPOSED PROJECT

In the proposed online cake booking system, The users require only an internet connection to use the website, which requires an account to buy cakes.

Nowadays, each shop has got social media management team to manage their shop accounts on the Internet.

1.3 FEATURES OF THE PROPOSED SYSTEM

- Customers can register and performs their bookings
- Customers can read the recipe for the cake
- Customers can add a review
- Customers can track their orders

2.FUNCTIONAL REQUIREMENTS

1. Customer registration

. • The system shall allow a non-registered user to create a secure account.

• The system shall ask the user for a username and password.

• The system shall store the information in the database.

2. Customer login

• The system shall allow a registered user to log in to their account.

• The system shall require a username and password from the user.

• The system will verify the username and password, and the user will be considered “logged in”.

3. Cake Details

The system should allow the addition and management of cake details, including name, description, caption, quantity, price, picture, date, time, and type.

4. User Reviews

Users should be able to leave reviews for cakes, including a review description, and cake name.

5. Cake types

The system should enable the classification of cakes by flavor, type, and occasion, with a link to the corresponding cake details.

6.Shopping Cart

Users should be able to add cakes to their shopping cart, view the total amount, and manage the quantity of each cake in the cart.

7. Order Management

• The system should allow the management of orders, including viewing order details, updating the order status, and calculating the total amount..

8. Logout

3.NONFUNCTIONAL REQUIREMENTS

3.1 RELIABILITY

The reliability of the overall project depends on the reliability of the separate components. The main pillar of reliability of the system is the backup of the database which is continuously maintained and updated to reflect the most recent changes, Also the system will be functioning inside a container. Thus, the overall stability of the system depends on the stability of container and its underlying operating system.

3.2AVAILABLITY

The system should be available at all times, meaning the user can access it using a web browser, only restricted by the down time of the server on which the system runs. A customer friendly system which is access of people around the world should work 24 hours. In case of a hardware failure or database corruption, a replacement page will be shown. Also in case of a hardware failure or database corruption, backup of the database should be retrieved from the server and saved by the Organizer. Then the services will be restarted. It means 24 X 7 availability.

3.3 MAINTAINABLITY

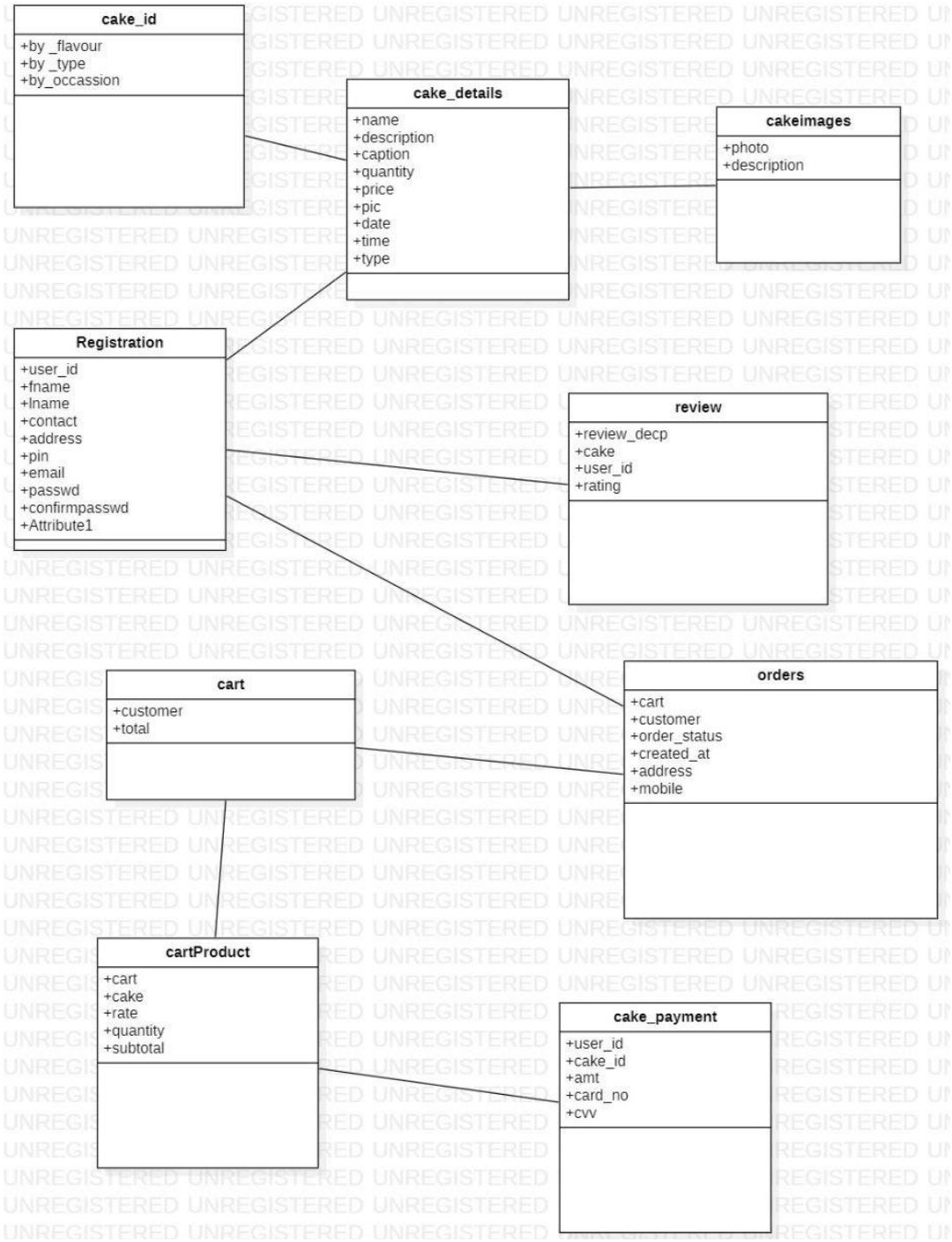
A commercial database is used for maintaining the database and the application server takes care of the site. In case of a failure, a re-initialization of the project will be done. Also, the software design is being done with modularity in mind so that maintainability can be done efficiently.

3.4 SUPPORTABLITY

The code and supporting modules of the system will be well documented and easy to understand. Online documentation and help system requirements

4.UML DIAGRAMS

4.1 CLASS DIAGRAM


cake_id
+by _flavour
+by _type
+by_occassion
cake_details
+name
+description
+caption
+quantity
+price
+pic
+date
+time
+type
cakeimages
+photo
+description
Registration
+user_id
+fname
+lname
+contact
+address
+pin
+email
+passwd
+confirmpasswd
+Attribute1
review
+review_decp
+cake
+user_id
+rating
cart
+customer
+total
orders
+cart
+customer
+order_status
+created_at
+address
+mobile
cartProduct
+cart
+cake
+rate
+quantity
+subtotal
cake_payment
+user_id
+cake_id
+amt
+card_no
+cvv

5.INPUT DESIGN AND OUTPUT DESIGN

INPUT DESIGN

Input design is one of the most important phase of the system design. Input design is the process where the input received in the system are planned and designed, so as to get necessary information from the user, eliminating the information that is not required. The aim of the input design is to ensure the maximum possible levels of accuracy and also ensures that the input is accessible that understood by the user.

OUTPUT DESIGN

Output design is very important concept in the computerized system, without reliable output the user may feel the entire system is unnecessary and avoids using it. The proper output design is important in any system and facilitates effective decision-making.

6. FUTURE ENHANCEMENT

In the future, the Cake booking system would add more user-friendly functionalities. The user can give feedback on new cakes if he/she finds them tasty. Also, Notification system shall also be implemented. Add secure payment.

9. CONCLUSION

The Online Homemade Cake Booking System offers a convenient platform for customers to order homemade cakes online. With user registration, cake details management, user reviews, cake classification, shopping cart functionality, and secure payment processing, the system

streamlines the entire cake ordering process. Users can easily browse cake options, add them to their cart, and place orders, while home bakers benefit from centralized order management. The system enhances customer satisfaction by providing transparency, personalized options, and efficient communication. Overall, this online cake booking system bridges the gap between customers and home bakers, improving the cake ordering experience for all parties involved.

10.REFERENCES

REFERENCES

https://www.floweraura.com/cake-delivery/trivandrum

https://youtu.be/qdNhWIlTZ0c

Django Jazzmin Documentation:

https://django-jazzmin.readthedocs.io/

11.ANNEXURE

FIGURE 1 : Home page

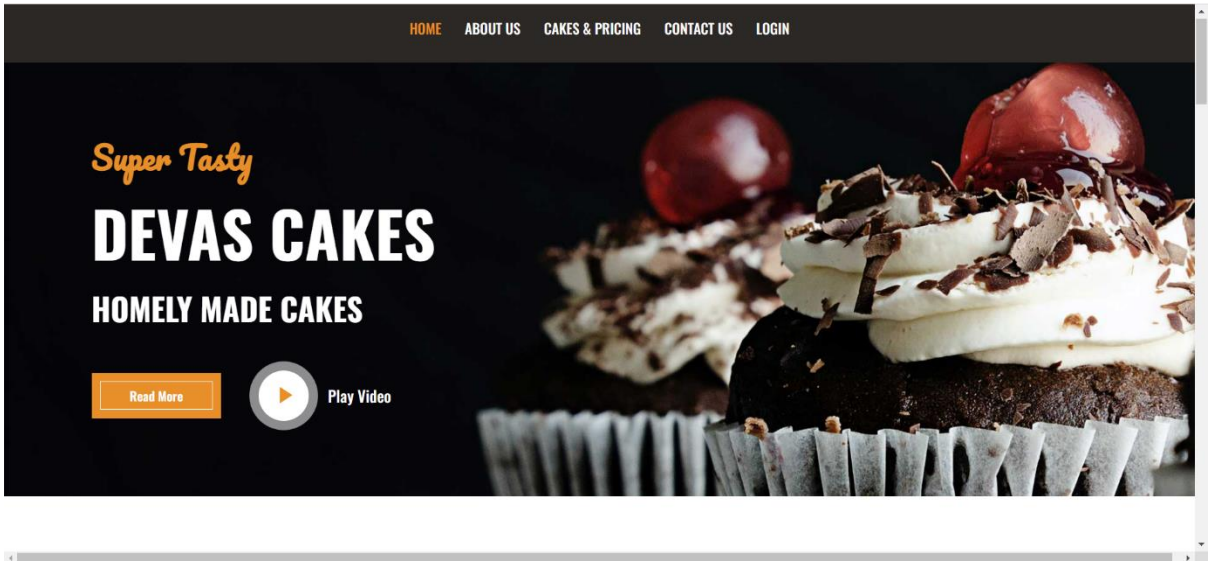


FIGURE 2:

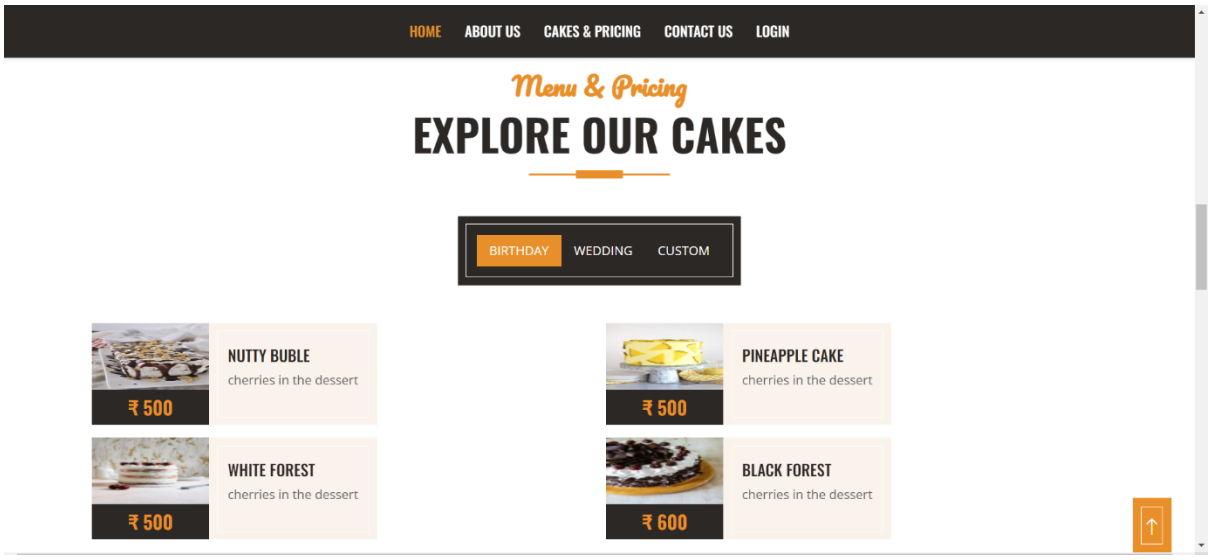


FIGURE-3

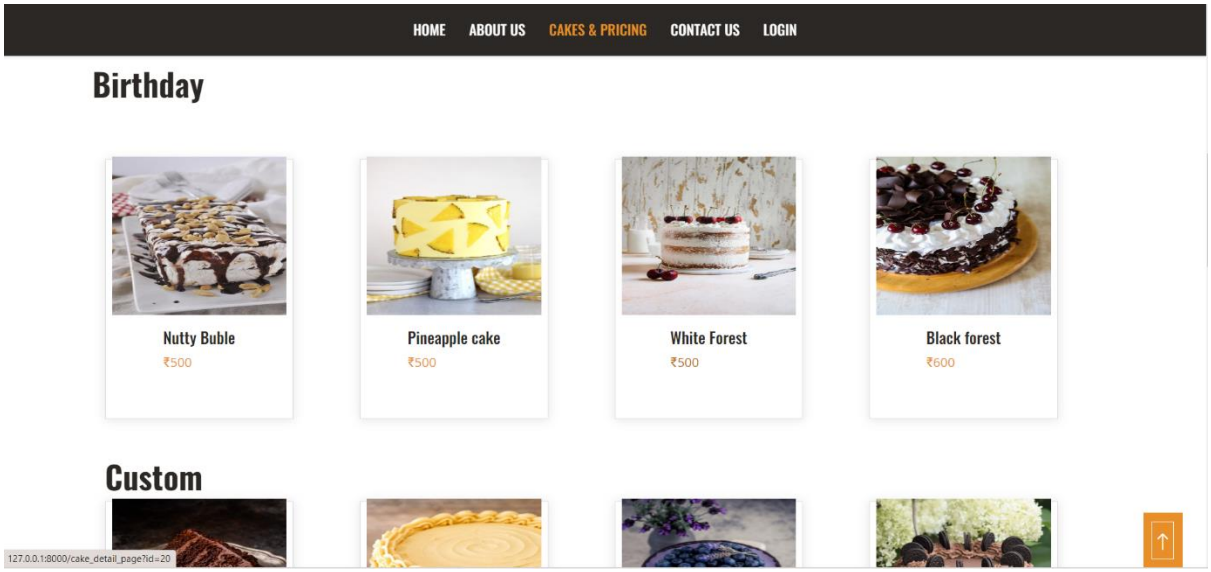

HOME
ABOUT US
CAKES & PRICING
CONTACT US
LOGIN
Birthday
Nutty Buble
₹500
Pineapple cake
₹500
White Forest
₹500
Black forest
₹600
Custom
127.0.0.1:8000/cake_detail_page?id=20

FIGURE-4

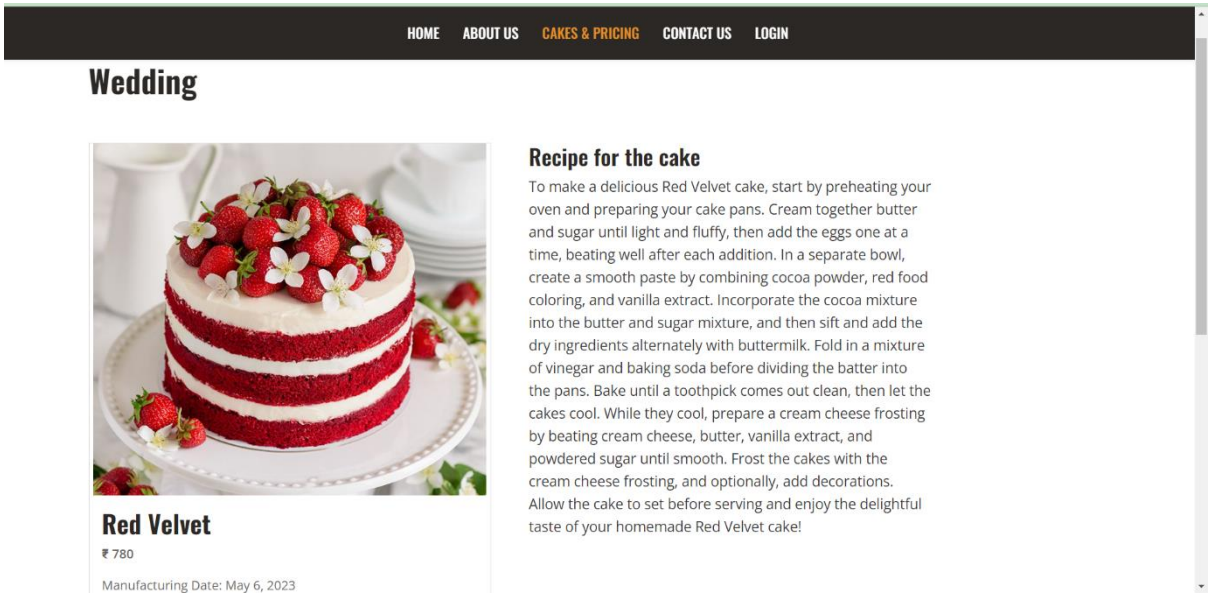

HOME
ABOUT US
CAKES & PRICING
CONTACT US
LOGIN
Wedding
Recipe for the cake
To make a delicious Red Velvet cake, start by preheating your oven and preparing your cake pans. Cream together butter and sugar until light and fluffy, then add the eggs one at a time, beating well after each addition. In a separate bowl, create a smooth paste by combining cocoa powder, red food coloring, and vanilla extract. Incorporate the cocoa mixture into the butter and sugar mixture, and then sift and add the dry ingredients alternately with buttermilk. Fold in a mixture of vinegar and baking soda before dividing the batter into the pans. Bake until a toothpick comes out clean, then let the cakes cool. While they cool, prepare a cream cheese frosting by beating cream cheese, butter, vanilla extract, and powdered sugar until smooth. Frost the cakes with the cream cheese frosting, and optionally, add decorations. Allow the cake to set before serving and enjoy the delightful taste of your homemade Red Velvet cake!
Red Velvet
₹ 780
Manufacturing Date: May 6, 2023

FIGURE-5 User Feedback

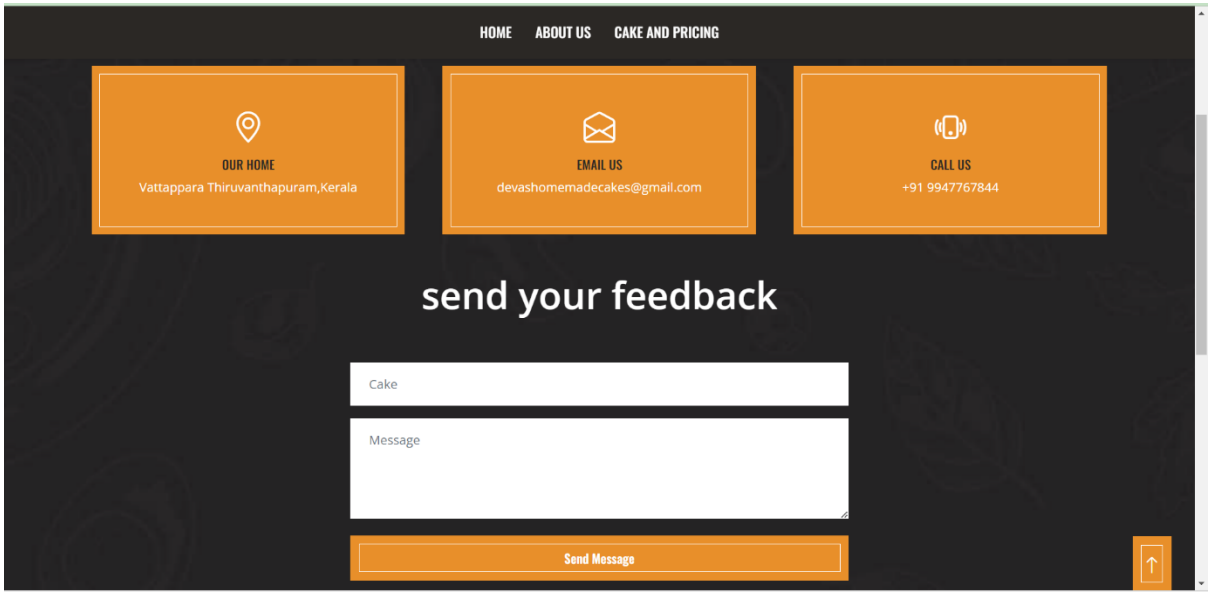


FIGURE -6 Shopping cart

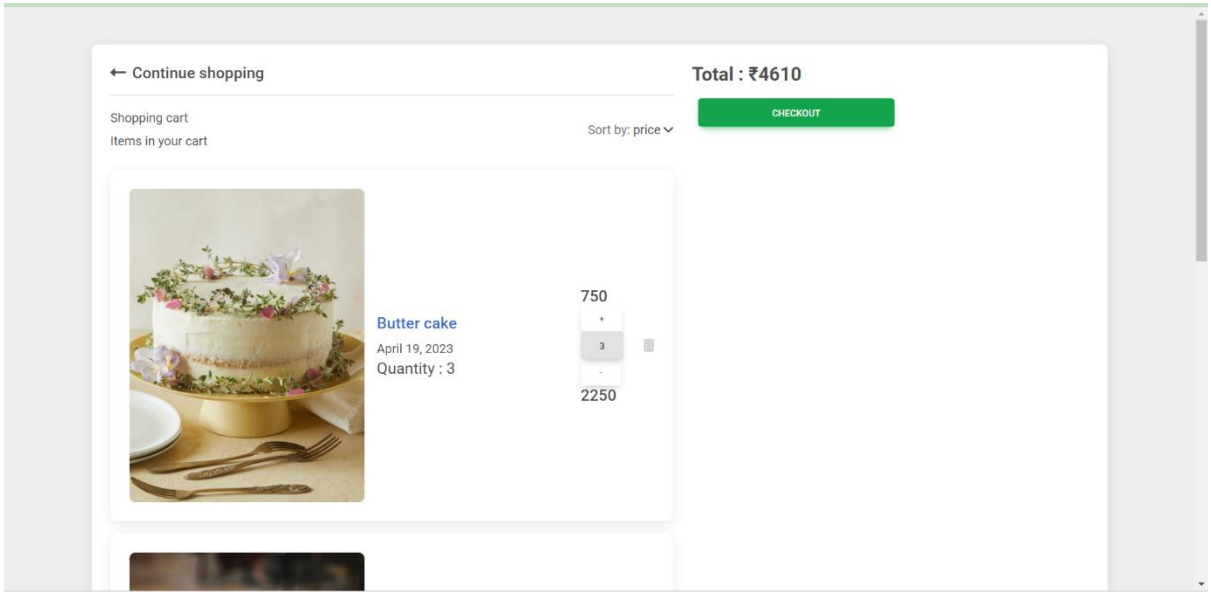


FIGURE -7 Order Summary

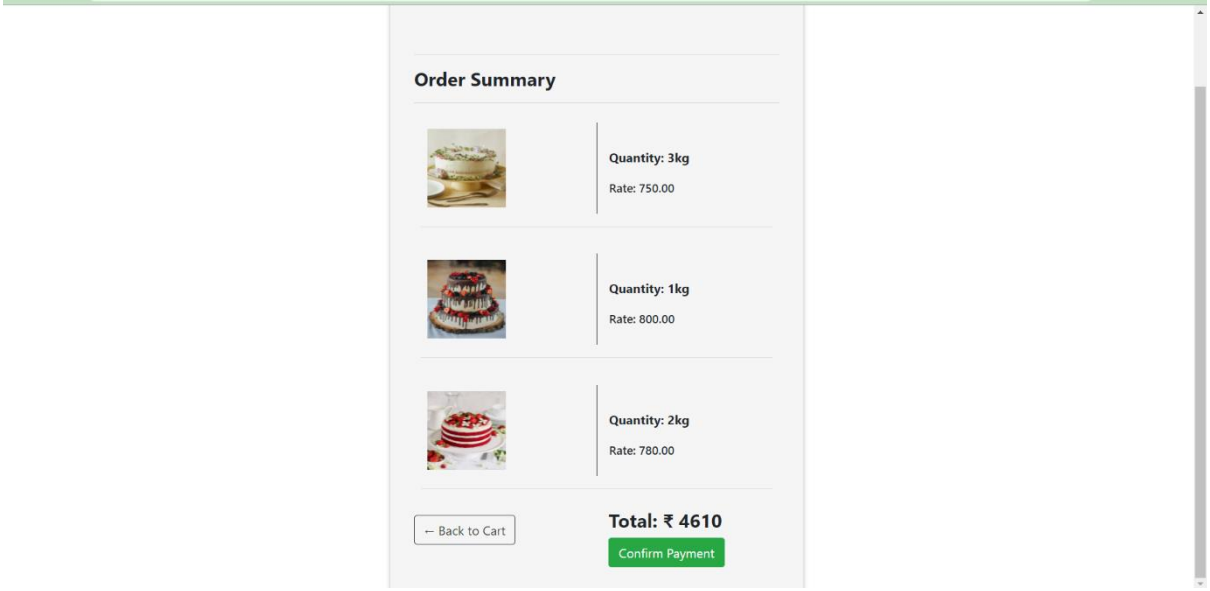


FIGURE-8 Order Form

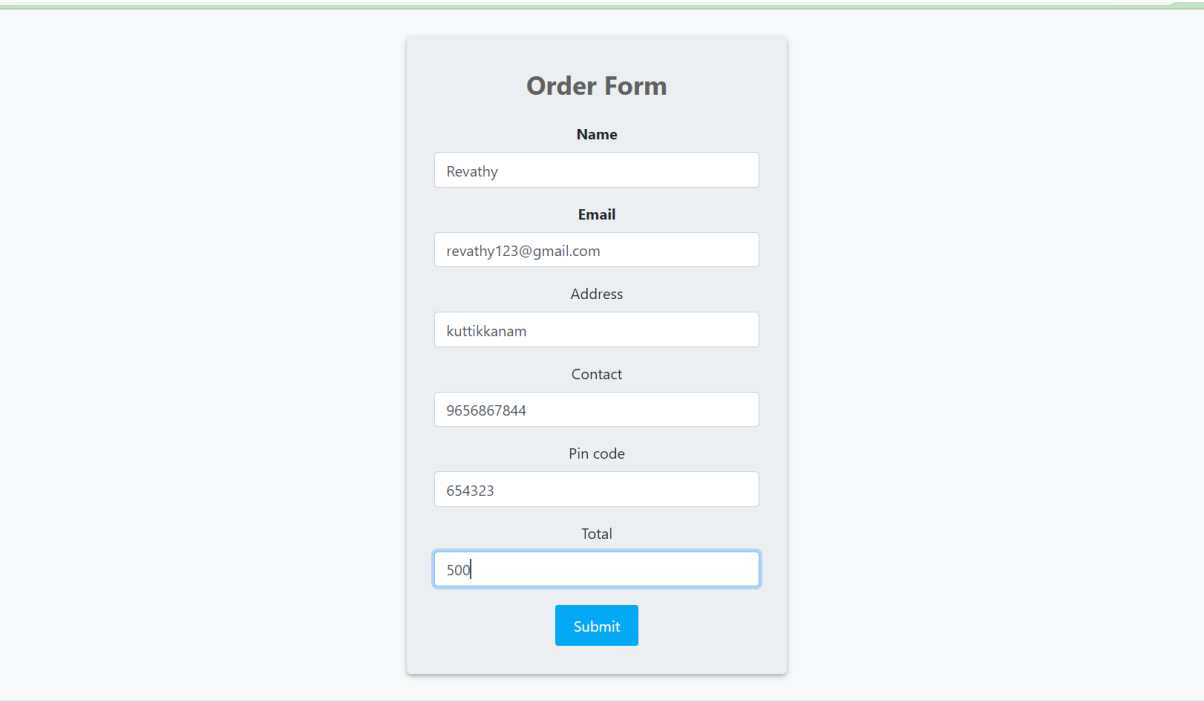


FIGURE-9

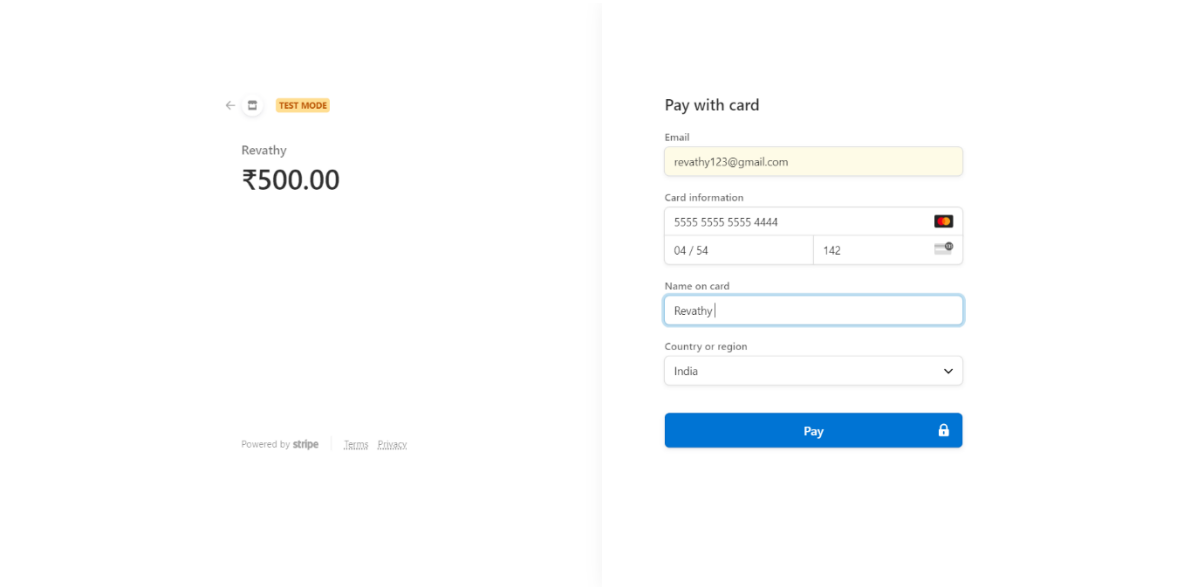


FIGURE-10 Order Tracking


Cake details
Thank You For Your Order
My Orders / Tracking
Name : Revathy
Description :
Price : 500
Shipment Address:
kuttikkanam
Date:
May 27, 2023, 12:49 p.m.
Status:
order processing
Download Invoice
Order Pending
Order Confirmed
On the way
Delivered
Name : Revathy
Description :
Price : 4610
Shipment Address:
kuttikkanam
Date: