

ONLINE BAKERY SYSTEM

A MINI PROJECT REPORT

INTERNET PROGRAMMING – CS19542

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2024-2025

ABSTRACT

The **Online Bakery System** is a web-based platform developed to revolutionize the traditional bakery shopping experience by offering an efficient, convenient, and user-friendly interface for customers. In the digital age, where online transactions have become a significant part of everyday life, this system bridges the gap between customers and bakeries, ensuring access to a wide range of products at the click of a button.

This system allows users to explore an extensive catalog of bakery items, including cakes, bread, pastries, and other confections. Each product is displayed with high-quality images, detailed descriptions, and pricing information, enabling customers to make well-informed purchase decisions. Users can add their chosen items to a virtual shopping cart, which provides a streamlined method to review, edit, or finalize their selections before proceeding to checkout.

The platform incorporates a **login and sign-up feature**, ensuring secure access and the ability to personalize the user experience. Additionally, it includes an **About Us page** that shares the bakery's values and mission, fostering a personal connection with customers, and a **Contact Us page**, which facilitates communication for inquiries or feedback.

This project is designed to enhance customer satisfaction by offering a modern solution that saves time and effort. By integrating technology into traditional bakery services, the Online Bakery System not only simplifies the purchasing process but also promotes accessibility and convenience. It is an innovative step forward, addressing the growing demand for online shopping platforms tailored to specific industries like bakeries. This system exemplifies the synergy between technology and customer service, setting a new standard for bakery businesses in the digital era.

INTRODUCTION

In today's fast-paced world, convenience plays a crucial role in our daily lives. The **Online Bakery System** is a solution tailored to meet the evolving needs of customers by providing an efficient and user-friendly platform for purchasing bakery products. Traditional methods of buying bakery items often involve visiting physical stores, which can be time-consuming and inconvenient. This system aims to revolutionize the shopping experience by bringing the bakery to the fingertips of the customer.

The Online Bakery System allows users to browse through a wide variety of products, including cakes, pastries, bread, and other baked goods. With detailed product descriptions, images, and pricing displayed, customers can make informed decisions about their purchases. Key features include a **sign-up and login page**, ensuring secure and personalized user access; a **shopping cart** for managing selected items; and **About Us** and **Contact Us** pages, offering insights into the bakery's story and enabling direct communication.

This project not only simplifies the purchasing process but also enhances the overall user experience by minimizing physical effort and saving time. It is designed to cater to both regular customers and new users, with an intuitive interface that makes navigation and transaction seamless. By integrating technology with traditional bakery services, the Online Bakery System aims to modernize the way customers interact with bakeries, promoting accessibility and convenience.

Moreover, this system provides flexibility by allowing users to shop anytime and from anywhere, eliminating the constraints of store hours and location. It also supports bakers in showcasing their specialties to a broader audience, creating new opportunities for growth. As technology continues to shape consumer behavior, this project highlights the importance of integrating digital solutions into everyday services, ultimately enhancing both customer satisfaction and business efficiency.

OBJECTIVE

The primary objective of the Online Bakery System is to create a user-friendly and efficient platform for customers to purchase bakery products online. By leveraging technology, the system aims to modernize traditional bakery operations and provide a seamless shopping experience for users. This platform is designed to cater to the needs of customers and bakery businesses, ensuring convenience, accessibility, and satisfaction.

For customers, the system offers an intuitive interface to browse, select, and purchase a variety of bakery items such as cakes, bread, pastries, and other confectionaries. Each product is accompanied by high-quality images, descriptions, and pricing to help users make informed decisions. The integration of a shopping cart feature allows customers to manage their selections efficiently, offering the flexibility to review and edit their orders before checkout.

To enhance user engagement, the platform includes features like a login and sign-up system to secure and personalize user experiences. It ensures safe transactions while maintaining customer data privacy. The About Us page provides insight into the bakery's mission and values, creating a sense of connection between the business and its customers. Additionally, the Contact Us page facilitates direct communication for inquiries, complaints, or feedback, ensuring improved customer support.

Overall, the Online Bakery System is aimed at simplifying the purchasing process, enhancing customer convenience, and supporting bakery businesses in adopting digital solutions. It bridges the gap between traditional and modern commerce, ensuring an innovative, efficient, and enjoyable experience for all stakeholders.

TARGET AUDIENCE

The **Online Bakery System** is designed to cater to a diverse range of customers who seek convenience and accessibility in purchasing bakery products. Its primary target audience includes:

1. **Busy Professionals and Students:** Individuals with hectic schedules often lack the time to visit physical stores. The platform provides them with an easy way to order bakery items from the comfort of their homes or workplaces.
2. **Tech-Savvy Shoppers:** People accustomed to online shopping platforms will find this system intuitive and appealing, aligning with their preference for digital convenience.
3. **Families and Home Bakers:** Families looking for fresh baked goods for daily consumption or special occasions, such as birthdays, anniversaries, or holidays, can browse and order with ease.
4. **Event Planners and Catering Services:** Professionals organizing events can use the system to place bulk orders or customize items for specific occasions.
5. **Senior Citizens and Non-Mobile Individuals:** People with mobility challenges can benefit greatly from having bakery items delivered to their doorstep.
6. **Small and Medium-Sized Bakery Businesses:** While the platform primarily serves customers, it also targets bakery owners who wish to expand their reach, attract online customers, and enhance sales.

By addressing the needs of these varied groups, the **Online Bakery System** bridges the gap between traditional bakeries and modern consumer expectations, creating value for all stakeholders.

SCOPE

The Online Bakery System has a broad scope that encompasses improving customer convenience and providing businesses with a digital platform to expand their reach. This system is designed to transform the traditional bakery shopping experience into a seamless and efficient process by integrating modern technology.

For customers, the system offers an accessible online platform where they can browse through a wide variety of bakery products, including cakes, pastries, bread, and more. The inclusion of features such as product descriptions, images, pricing, and a shopping cart enhances the user experience. Additionally, secure login and sign-up options provide personalized access and protect customer data.

From a business perspective, the system allows bakeries to showcase their products to a larger audience, overcoming geographical limitations. It also supports order management and helps streamline operations by reducing the dependency on manual processes.

The system's scope extends to ensuring customer engagement through an About Us page that connects users with the bakery's values, and a Contact Us page that fosters effective communication. With the growing trend of online shopping, this platform is positioned to cater to the increasing demand for convenience while offering scalability for future enhancements like payment gateways, order tracking, and mobile app integration.

FEATURES

The **Online Bakery System** is designed with a comprehensive set of features to enhance the user experience and streamline the process of purchasing bakery items online. These features cater to both customers and bakery businesses, ensuring convenience, efficiency, and engagement.

1. User Registration and Login:

- Secure sign-up and login functionality for new and existing users.
- Protects customer information and personalizes the shopping experience.

2. Product Catalog:

- Displays a wide range of bakery products such as cakes, bread, pastries, and cookies.
- Includes high-quality images, detailed descriptions, and pricing for each item.

3. Search and Filtering Options:

- Allows users to search for specific products or filter items based on categories, price range, or popularity.

4. Shopping Cart:

- Enables users to add, remove, or modify selected products before checkout.
- Provides a clear summary of items, including quantities, prices, and total cost.

5. About Us Page:

- Shares the bakery's story, values, and mission to establish a personal connection with customers.

6. Contact Us Page:

- Offers contact information, such as phone numbers, email, or an inquiry form, to enhance customer support.

7. Responsive Design:

- Optimized for different devices, including desktops, tablets, and Smartphone's, ensuring accessibility.

8. User-Friendly Interface:

- Intuitive navigation and well-organized menus for an effortless browsing experience.

9. Secure Transactions:

- Provides security for user data and future potential integration with payment gateways for online purchases.

These features collectively make the **Online Bakery System** a versatile and efficient platform, catering to the needs of both customers and businesses while setting the foundation for growth and expansion.

TECH STACK AND TOOLS USED

Frontend Development:

1. **HTML5**: For structuring the web pages and ensuring semantic web design.
2. **JavaScript**: To add interactivity and dynamic features such as form validation and animations.
3. **Bootstrap**: For responsive design and pre-built components to ensure compatibility across devices.

Backend Development:

1. **PHP**: For server-side scripting and handling application logic.
2. **MySQL**: For structured data storage, management, and retrieval.

Other Tools:

1. **Version Control**: Git and GitHub for source code management and collaboration.
2. **Postman**: For testing APIs during development.
3. **VS Code**: As the primary code editor for development

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[Our Cakes](#)
[About Us](#)

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[Contact Us](#)

Cake Bakery ... make delicious products

Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit, quod consequatur magni dolores eos qui ratione

About us

We provide you a trustworthy and convenient platform to choose best gift for your family, friends etc. for every occasion like birthdays, anniversaries, marriage, love, farewell and many more. We offer wide range of products in various categories like cakes, eggless cakes, drawing cakes, 3D cakes, photo cakes, collectibles, chocolates, bouquet, flowers lunch, soft toys, greeting cards, cardlies, photo frames, handicrafts etc. We also customize gifts according to customer wish.

Our Featured Cakes

Berchior sit amet conset etur

\$120

Photo Cake For Kid

Add to cart

\$33

Indulging Pineapple Cake

Add to cart

\$23

Emphatic Chocolate Cake

Add to Cart

\$20

4 Chocolate Cupcake

Add to cart

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Quick links

- Home
- Our Cakes
- About us
- Contact Us
- Sign up
- Sign in
- Track Order

Work Times

Mon - Fri : 8 am - 8 pm
Sat - Sun : 8pm
Thurs : Closed

Contact Info

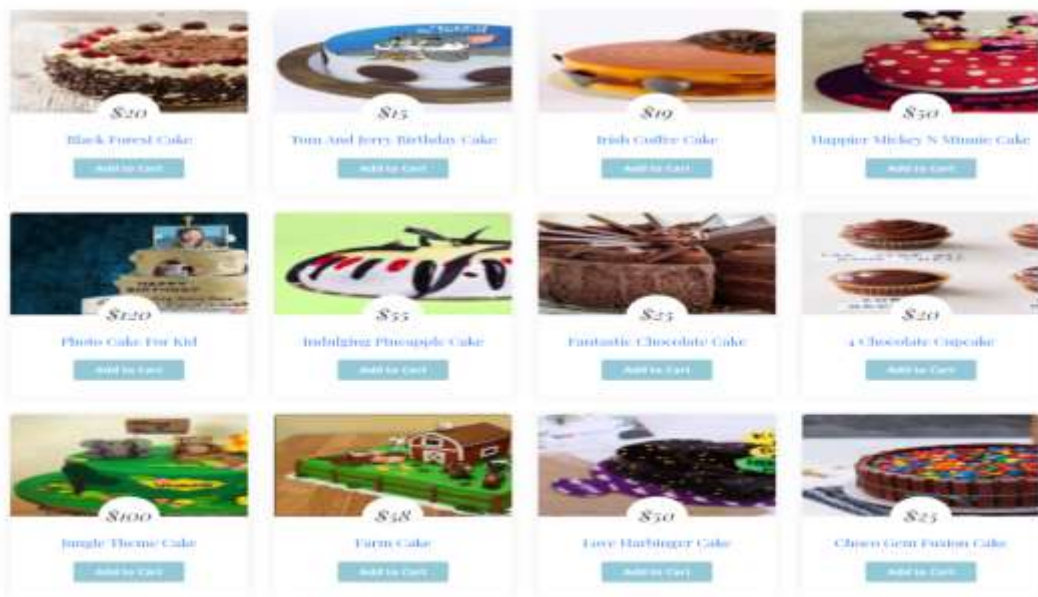
Phone : 4654788798
Address : 4000 City Apartment, Major Street, Delhi-110001.
Email : info@gmail.com

Products:

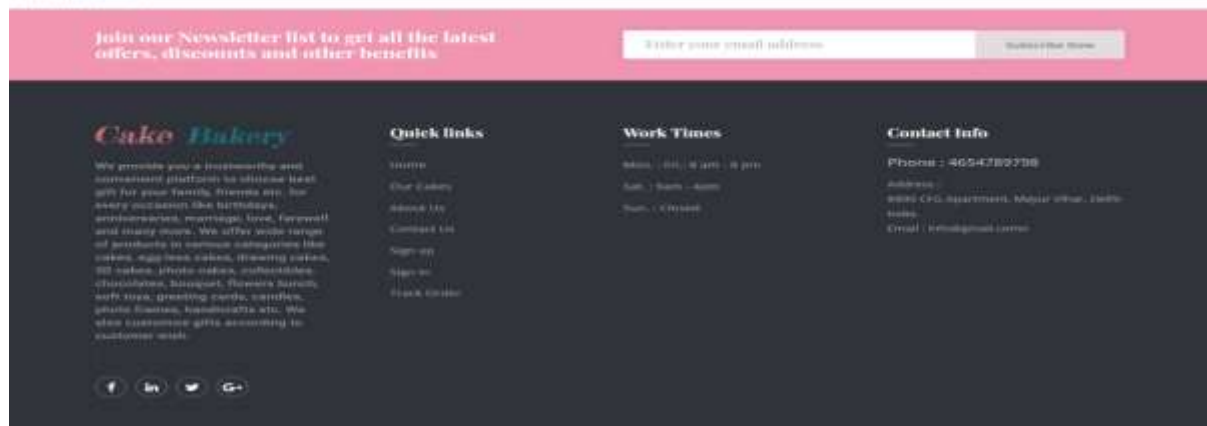


Our Cakes

Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo.



Product2SheetArt -



About us:



About us

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We provide you a trustworthy and convenient platform to choose best gift for your family, friends etc. for every occasion like birthdays, anniversaries, marriage, love, farewell and many more. We offer wide range of products in various categories like cakes, egg-less cakes, drawing cakes, 3D cakes, photo cakes, collectibles, chocolates, bouquet, flowers bunch, soft toys, greeting cards, candles, photo frames, handicrafts etc. We also customize gifts according to customer wish.

Quick links

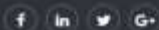
- [Home](#)
- [Our Cakes](#)
- [About Us](#)
- [Contact Us](#)
- [Sign up](#)
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Work Times

Mon. : 11:00 am - 8 pm
Sat. : 11am - 4pm
Sun. : Closed

Contact Info

Phone : 4654789798
Address :
B910 CFC Apartment, Mayapuri Vihar, Delhi,
India.
Email : info@gmail.com



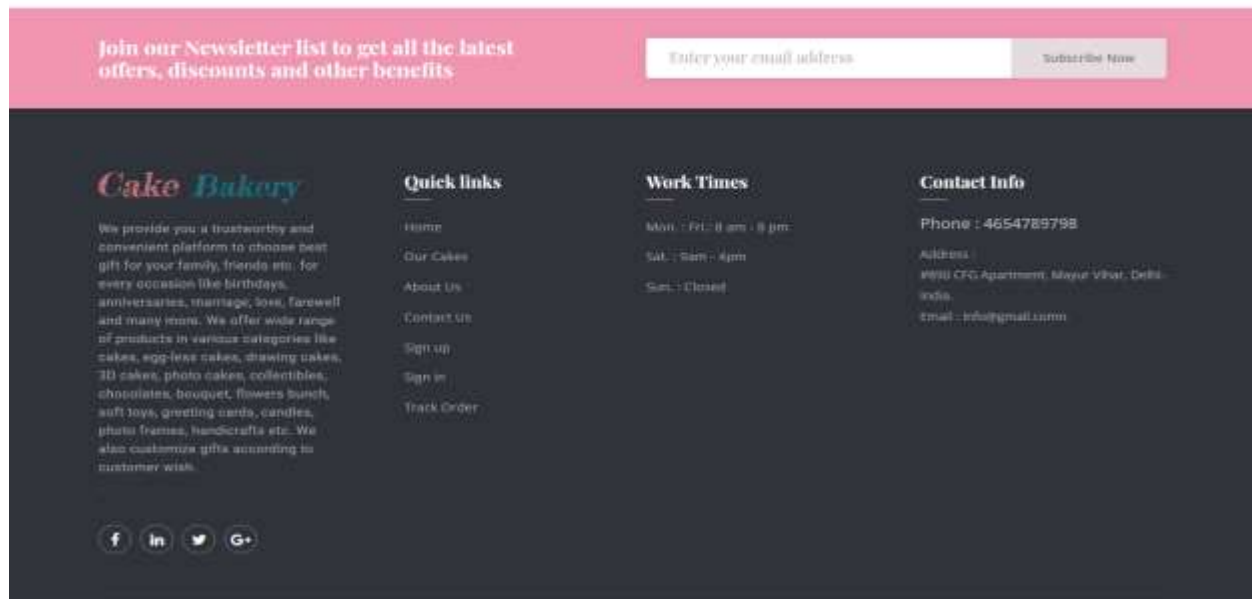
Contact us:



Get In Touch

Do you have anything in your mind to let us know? Kindly don't delay to connect to us by means of our contact form.

<input type="text" value="Your name"/>	<input type="text" value="Email address"/>	Address : #B80 CFG Apartment, Mayur Vihar, Delhi-India.
<input type="text" value="Write message"/>		Phone : 4654789798 Email : info@gmail.com
<input type="button" value="Submit now"/>		



Track Order:

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info@gmail.com

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Home

Our Cakes

About Us

Cake Bakery

Sign up

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Contact Us

Track Order

Home > Track Order

Track Your Order

Track Your Order by your provided order number.

[Track Your Order](#)

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- Sign up
- Sign in
- Track Order

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Mon. (Fri. : 8 am - 8 pm
Sat. : 9am - 4pm
Sun. : Closed

Contact Info

Phone : 4654789798
Address :
#B90 CFG Apartment, Mayur Vihar, Delhi India.
Email : info@gmail.com

[Cake Bakery System](#)
[Home Page](#)

User Sign Up:



Regitration Form!!

Fill below details.

<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="password"/>	<input type="password"/>

submit now

Login

Already Have an account!!!!

Address :

#890 CFG Apartment, Mayapuri Vihar, Delhi-India.

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User Sign in:



Login Form!!

Fill below details.

Registered Email or Contact Number

[Forgot Password?](#)

Password

Login

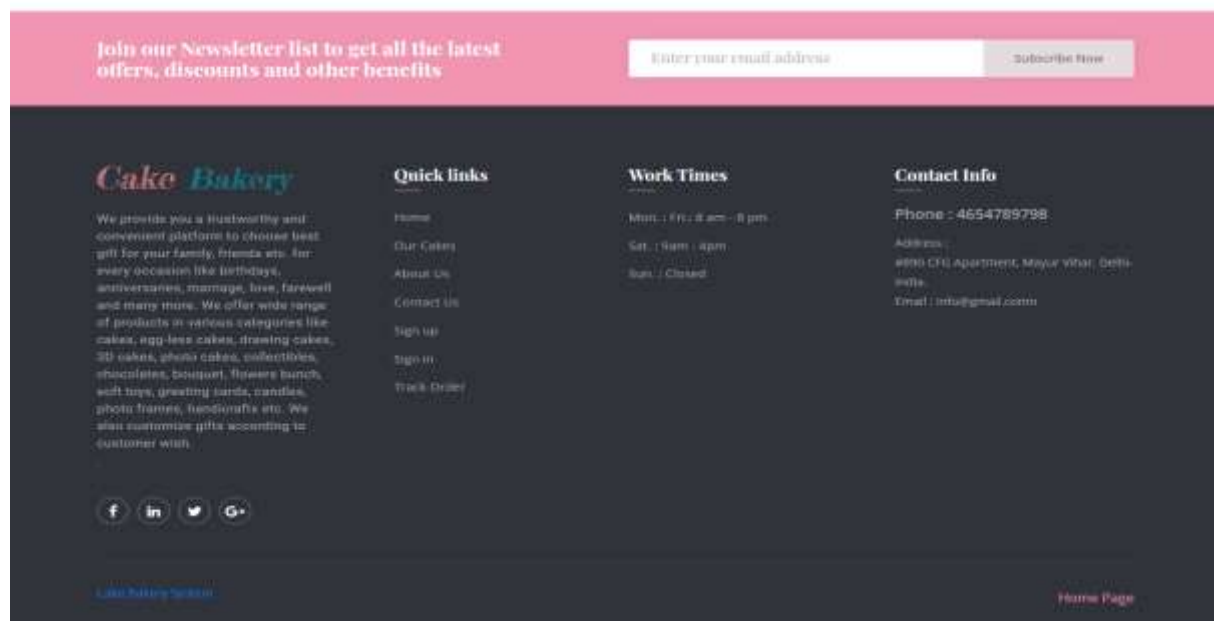
Register Register with us!!!

Address :

#890 CFG Apartment, Mayur Vihar, Delhi-India.

Phone : 4654789798

Email : info@gmail.com



Cart Page:

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info@gmail.com

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Admin

Home

Our Cakes

About Us

My Account

Cart Page



My Orders

Contact Us

Cake Bakery

Cart

Home > Cart

Preview	Product	Price	Weight	Total	
	Photo Cake For Kid	\$120	4 kg	\$ 120	

Cart Total

Sub Total

\$120

Total

\$120

Proceed to Checkout

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Home

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Home

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Home > Chekout

Returning customer? [Click here to login](#)

Billing Details

Flat or Building Number *

Flat or Building Number

Street Name *

Street Name

Area

Area

Landmark if any

Landmark if any

Town / City *

City

Your Order

PROD CUT	TOTAL
PHOTO CAKE FOR KID	\$120
SUBTOTAL	\$120
Shipping And Handling	Free Shipping
TOTAL	\$120

☐ Cash on Delivery(cod)

PLACE ORDER

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Sat. : 9 am - 4 pm

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Contact Info

Phone : 4654789798

Address : 4890 CNG Apartment, Mayapuri, Delhi-110018

Email : info@gmail.com

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Cake Bakery System

Home Page

Order Detail Page:



Single Order Detail

#197974391 Order Details

Order #197974391

Order Date : 2021-07-16 17:40:40

Order Status : Not Accept Yet

[Track order](#)

[Invoice](#)

	Order ID	Image	Item Name	Weight	Price
1	197974391		Photo Cake For Kid	4 kg	\$ 120
Grand Total					\$ 120

[Cancel this order](#)

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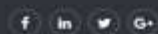
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[Cake Bakery Website](#)

[Home Page](#)

CONCLUSION

The **Online Bakery System** is a modern solution designed to enhance the bakery shopping experience by integrating technology into traditional commerce. By offering features such as secure login, a detailed product catalog, a shopping cart, and responsive design, this platform ensures convenience and accessibility for users. It simplifies the process of browsing and purchasing bakery items, enabling customers to save time and effort while enjoying a seamless experience.

For bakery businesses, the system acts as a digital storefront, expanding their reach to a broader audience and providing opportunities for growth. It bridges the gap between customers and bakers, fostering stronger connections through features like the **About Us page** and **Contact Us page**, which promote transparency and communication.

The project is scalable and designed to accommodate future enhancements such as online payment integration, order tracking, and mobile app support, ensuring its relevance in the evolving digital landscape.

In conclusion, the **Online Bakery System** not only addresses the growing demand for online shopping but also paves the way for bakeries to adopt innovative practices, ensuring customer satisfaction and business efficiency. This system is a testament to how technology can transform traditional industries into dynamic, customer-focused enterprises.

REFERENCE

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