

ABSTRACT

The Online Platform for Dessert Products is a digital solution designed to assist a local bakery in expanding its reach and enhancing customer convenience. By providing an intuitive and user-friendly interface, the platform allows customers to seamlessly browse an extensive range of bakery products, check availability, and place either bulk or individual orders. Special offers and discounts are highlighted to attract more customers and drive sales. The integration of secure online payment options ensures safe transactions, while real-time order tracking allows users to monitor their purchases effortlessly. This streamlined ordering process significantly improves customer satisfaction and boosts operational efficiency for the bakery.

Developed using the MEAN stack (MongoDB, Express, Angular, and Node.js), the platform is designed for high performance, scalability, and security. Its inventory management system helps the bakery maintain accurate stock levels, preventing shortages or overstocking. A dedicated customer support system is incorporated, allowing users to raise inquiries or seek assistance regarding their orders, creating a more personalized customer experience. By leveraging modern web technologies, the platform ensures seamless responsiveness across various devices, providing an optimized browsing and purchasing experience on desktops, tablets, and mobile phones.

By adopting this digital transformation, the bakery can strengthen its presence in the online marketplace, catering to a wider audience and increasing sales opportunities. The platform not only simplifies operations but also enhances customer engagement through a well-structured interface and interactive features. With an efficient ordering and management system in place, the bakery can expand its business, improve customer retention, and stay competitive in the rapidly evolving e-commerce sector. This innovative solution empowers the bakery to adapt to changing consumer preferences and establish a strong foothold in the digital economy.

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LIST OF ABBREVIATIONS

ABBREVIATIONS	EXPANSION
HTML	Hypertext Markup Language
CSS	Cascading Style Sheet
JSON	JavaScript Object Notation
JS	JavaScript
UPI	Unified Payments Interface
HTTP	Hypertext Transfer Protocol
API	Application programming interface
TS	Type Script