

Restaurant Web Application with Integrated Dine-in Self Service

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Abstract: *This paper explores the use of automated technologies in the food service industry, with a focus on automating the food ordering process in restaurants using QR code scanning technology. The project aims to improve the dining experience of customers by providing a more personalized and efficient service through the design and implementation of a Digital Food Ordering Web application. The system includes a dynamic database utility, enabling the retrieval of data or information from a centralized database. Once the customer selects the food items using the QR code scanner, the ordered list is directly sent to the room and the bill counter, thereby increasing the quality and speed of service. The system offers a cost-effective chance to provide a personalized service experience to customers from feeding to ordering to payment and feedback. The paper highlights the efficiency and accuracy of the system by reducing human effort, providing customer feedback and accepting different types of payment. The system is designed to connect multiple restaurants to provide seamless services to customers, and all communication between the customer, kitchen display, and the cashier counter are done through a Web Application.*

Keywords: QR code, Dynamic Database, Online food Menu, Web Application

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