Taste Us

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Abstract: *Taste Us is a web-based application that helps customers find the best mess facility in their locality based on their budget and food preferences. The system includes modules for user and admin interface, mess details, mess search, mess order, and mess feedback. The platform aims to make the mess management and billing calculations an automated system, providing clean and fresh food with a user-friendly interface.*

Keywords: Taste Us (TU), Web portal solution (WPS), Admin and Customer modules (ACM), MySQL (My), Front- end User Interface (FEUI), Back-end Server (BES), XAMPP (X).

I. INTRODUCTION

The Indian mess industry is a significant contributor to the food industry, with numerous mess facilities across the country providing meals to students, working professionals, and individuals. However, finding a reliable and high-quality mess facility can be challenging for users, particularly those new to a locality. The Taste Us platform aims to address this issue by providing a web application that connects users with mess owners in their local area from any devices. [2]

A. Objectives

The primary objective of the Taste Us platform is to develop a web application that provides a user-friendly and efficient system for connecting users with mess owners. The application should enable users to find mess facilities in their locality based on their food preferences, price range, and location. The platform also aims to provide a platform for mess owners to showcase their services and receive feedback from users.

B. Significance

The Taste Us platform is significant because it addresses a real-world problem faced by many individuals in India who struggle to find high-quality mess facilities in their local area. The web application can help bridge the gap between mess owners and users, providing a convenient and accessible platform for connecting the two. The project also demonstrates the potential for web applications in connecting users with local services, which can have broader implications for industries beyond the mess industry. [4]

C. Scope

The scope of this project is to develop a web-based application, Taste Us, using HTML, CSS, JavaScript, Bootstrap, MySQL, and Apache server. The objective is to connect people looking for mess facilities with the mess owners, and enable online ordering and subscription services. The application will consist of User and Admin modules, with distinct functionalities and user interfaces. Users can view mess details, place orders or subscribe to services, view order history, update their profile, and provide feedback. The admin can manage users, orders, subscriptions, categories, and view feedback. The application will be designed for a specific geographical region, scalable, and customizable. [7]

II. LITERATURE REVIEW

A. Overview of web applications for local services

Web applications have become increasingly popular for connecting users with local services, including food delivery, transportation, healthcare, and education. These applications offer numerous benefits, such as convenience, accessibility, and real-time information.

B. Advantages and limitations of web applications for local services

Web applications have several advantages, including the ability to connect users with services in real-time, provide a convenient and accessible platform for service providers, and improve the overall efficiency of the service industry. However, there are also limitations, such as the need for reliable and secure systems for data management and user verification. [1,3]

C. Review of existing web applications for the mess industry

Several web applications exist for connecting users with mess facilities in India, such as Zomato, Swiggy, and Foodpanda. However, these applications often have limitations, such as a limited range of mess facilities and lack of customized search options.

Features	Taste Us	Zomato	Swiggy	Foodpanda
Personalized recommendations	✓	✓	×	×
Direct communication with mess owners	✓	×	×	×
User reviews of mess facilities	✓	✓	✓	✓
Integration with local mess facilities	✓	×	×	×
Convenient meal plans and subscription options	✓	×	×	×
Sorting mess by price or name	✓	×	×	×
No commission fee charged from mess owners	✓	×	×	×
Real-time order tracking	×	✓	✓	✓
In-app payment options	×	✓	✓	✓
Integration with multiple payment gateways	×	✓	✓	✓

III. METHODOLOGY

A. System Design

The Taste Us web application was designed with a user-centered approach, keeping in mind the needs and preferences of the target audience. The system design included wireframes, database design, and user interface design. Wireframes were created to visualize the layout and functionality of the application, and to ensure a seamless user experience. The database design was optimized for efficient storage and retrieval of data, and to enable quick search and filtering of mess facilities. The user interface design was created using modern design principles and best practices, with a focus on simplicity, clarity, and ease of use.[7]

B. Technical Specifications

The Taste Us web application was developed using a range of technologies, including HTML, CSS, JavaScript, Bootstrap, MySQL, and Apache server. The application consists of two modules: a user module and an admin module. The user module enables users to search for mess facilities, view their details, place orders, and provide feedback. The admin module enables the administrator to manage users, orders, subscriptions, and feedback. The application is optimized for scalability, performance, and security, with a focus on delivering a high-quality user experience.

C. Data Collection and Analysis

Data collection involved collecting user feedback through surveys and user testing. Surveys were conducted to gather information about user preferences, needs, and pain points, while user testing was performed to identify usability issues and areas for improvement. The data collected was analysed using a range of techniques, including data visualization, statistical analysis, and qualitative analysis. The insights gained from data analysis were used to inform the design and development of the application, and to improve its usability and functionality. [9]

IV. RESULTS

A. Description of the Taste Us web application

The Taste Us web application is a user-friendly platform that connects people who are looking for good mess facilities in their local area to mess owners. The application consists of two modules: a user module and an admin module. The user module enables users to search for mess facilities, view their details, place orders, and provide feedback, while the admin module enables the administrator to manage users, orders, subscriptions, and feedback. The application was developed using a range of technologies, including HTML, CSS, JavaScript, Bootstrap, MySQL, and Apache server.

B. User Module

The user module of the Taste Us web application provides a range of features and functionalities to users. Upon logging in, users are directed to the home page, where they can view a list of messes available in their locality. Users can filter messes based on their location, food preferences, and price range. After selecting a mess, users can view its details, such as the menu, ratings, reviews, and photos. Users can then place orders for the mess or subscribe to their services. The user module also includes features such as order history, profile updates, and feedback to the admin.

C. Admin Module

The admin module of the Taste Us web application enables the administrator to manage users, orders, subscriptions, and feedback. The admin can manage the users registered on the platform, view and manage the orders placed by users, and manage the subscriptions. The admin can add new categories to the system other than messes and view the feedback provided by users, and take actions to improve the quality of services. The admin can also view notifications and messages, and download the user list and order history.

D. Technical Implementation

The Taste Us web application was developed using a range of technologies and tools, including HTML, CSS, JavaScript, Bootstrap, MySQL, and Apache server. The application was optimized for scalability, performance, and security, with a focus on delivering a high-quality user experience. The system design, technical specifications, and data collection and analysis methods were optimized for efficient and effective development of the application, and to ensure that it meets the needs and expectations of the target audience. The application was tested rigorously to identify and address any bugs or issues, and to ensure a seamless user experience. Overall, the technical implementation of the Taste Us web application was robust and effective, resulting in a high-quality application that meets the needs and expectations of its users.[8]

V. CONCLUSION

A. Summary of key findings

The development of the Taste Us web application aimed to connect users with mess facilities in their local area. The system design included wireframes, database design, and user interface design, which were implemented using HTML, CSS, JavaScript, Bootstrap, MySQL, and Apache server. Data collection involved collecting user feedback through surveys and user testing, which was analysed to improve the application's usability and functionality. The Taste Us web application consists of two modules, a user module, and an admin module, which enable users to search for mess facilities, view their details, place orders, and provide feedback, while the admin module enables the administrator to manage users, orders, subscriptions, and feedback.

B. Limitations

The study had some limitations. One limitation was that the application was only tested by a small sample size, which limits the generalizability of the findings. Another limitation was that the application was only tested in one city, which limits its applicability to other locations. Further research is needed to evaluate the effectiveness of the application in other cities and with larger samples.[6]

C. Implications

The Taste Us web application has implications for improving the convenience and accessibility of mess facilities. The application can facilitate the communication between users and mess owners and provide users with an easy and efficient way to order food. The application can also help mess owners expand their customer base and increase their revenue.

D.. Future research

In the future, we can enhance our portal by introducing real-time order tracking, in-app payment options, and integration with multiple payment gateways. Real-time order tracking will allow users to monitor the status of their orders in real-time, giving them greater visibility and control over their orders. In-app payment options will provide users with a convenient and secure way to pay for their orders directly within the portal, eliminating the need for users to go to a separate payment gateway to complete their transactions. Integration with multiple payment gateways will allow users to choose from a variety of payment options, including credit/debit cards, net banking, and mobile wallets, giving them more flexibility in how they pay for their orders. These enhancements will not only improve the user experience but also help streamline the overall ordering process and make it more efficient for both users and administrators

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