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FoodLore

A PROJECT REPORT

Submitted by

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Machine Learning and Artficial Intelligence

ABSTRACT

The FoodLore project is an innovative platform that allows users to explore the history of various foods while providing a seamless shopping experience using external food delivery services like Zomato and Swiggy. Designed with accessibility and user-friendliness in mind, the platform integrates modern web technologies including Node.js for the backend, HTML, CSS, and JavaScript for the frontend, and MySQL for data management. It include a user-friendly interface that allows customers to view detailed food information, favorite food items, and easily navigate between food delivery options. The project emphasizes responsive design using Bootstrap, ensuring compatibility across various devices. The system also incorporates a dynamic search bar, role-based access, and a flexible dropdown menu for user selection.

INTRODUCTION

FoodLore is a unique platform designed to provide users with an engaging experience where they can explore the rich history behind different foods while also offering a convenient way to shop for meals through external food delivery services. The platform caters to both casual users and food enthusiasts, allowing them to browse food-related content, mark their favorite items, and effortlessly access delivery options. With a focus on accessibility and user-friendliness, FoodLore ensures that users can easily navigate the site and find what they are looking for, whether it's discovering new cuisines or ordering their next meal. The platform is designed to support different user roles, providing personalized functionalities for admins and customers alike, ensuring a smooth and efficient experience for all.

CHARACTERISTICS:

USER MODULE:

Admin:

Manage Users: The admin can add, update, or delete user accounts, including both customers and sellers.

View Reports: Admin can view detailed reports on user activities, such as product sales and revenue.

Monitor Malpractice: Admin can identify and take action on any suspicious activities or malpractice by users.

Seller:

Manage Products: The seller can upload, edit, or delete products available for customers to view and purchase.

View Sales Status: Sellers can track product sales and view the status of their listings.

Customer:

Browse Products: Customers can view a list of products, search for specific items, and explore product categories.

Add to Favorite: Customers can mark products as favorites for future reference.

View Favorite Products: Customers can easily access a dedicated section to view and manage their list of favorite products.

EXISTING SYSTEM AND PROPOSED SYSTEM

EXISTING SYSTEM:

Many existing food platforms primarily focus on providing basic functionalities such as browsing and ordering food through external services like Zomato and Swiggy. However, these systems do not offer users the ability to explore the history or detailed information about various foods, limiting the overall user experience.

Disadvantage:

- ➤ Limited Food Information.
- No Role-Based Access.

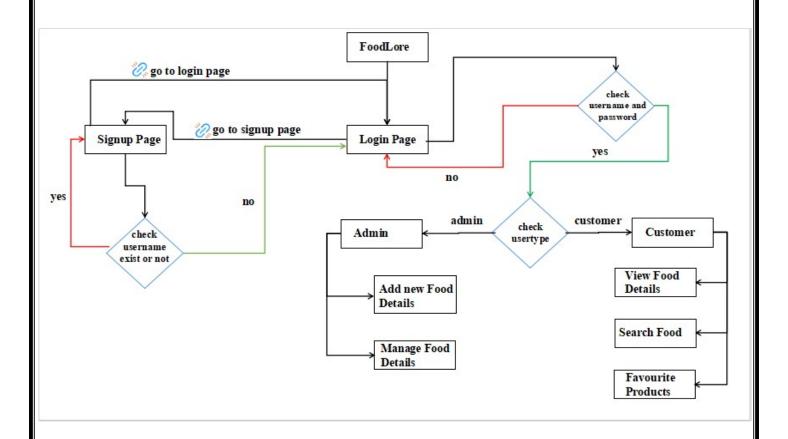
PROPOSED SYSTEM:

The FoodLore project offers a comprehensive platform designed to enhance both accessibility and user experience by allowing users to explore food history and detailed information about various foods. Users can learn about the origins, cultural significance, and preparation methods of different dishes, enriching their culinary knowledge.

Advantages:

- ➤ Comprehensive Food Knowledge
- Seamless External Integration
- ➤ Role-Based Access

Flow Diagram



WORKING ENVIRONMENT

User Interface:

- A visually appealing and intuitive front end developed using modern web technologies (HTML, CSS, JavaScript) that ensures ease of navigation for all users, including those with visual impairments.
- Responsive design utilizing Bootstrap to ensure compatibility across various devices, including desktops, tablets, and smartphones.

Backend Infrastructure:

- The backend is powered by Node.js, which provides a robust environment for handling server-side logic and managing user requests efficiently.
- A MySQL database is utilized for data management, allowing for efficient storage, retrieval, and manipulation of user data, food information, and order history.

Role-Based Access Control:

- The system supports distinct roles (Admin, Seller, Customer), each with tailored functionalities, ensuring that users have access only to the features relevant to their roles.
- Admins can manage users and monitor platform performance, while Sellers can manage their product listings, and Customers can browse, favorite, and order food items.

Development Tools:

- The project is developed using version control systems (e.g., Git) for collaborative development and efficient management of code changes.
- Development environments like Visual Studio Code or similar IDEs for coding and debugging.

SAMPLE SREENSHOTS

Figure 1: Signup Page

Sign Up

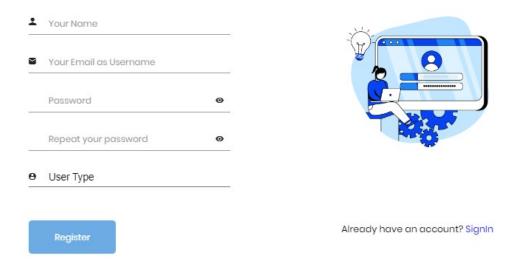


Figure 2: Login Page

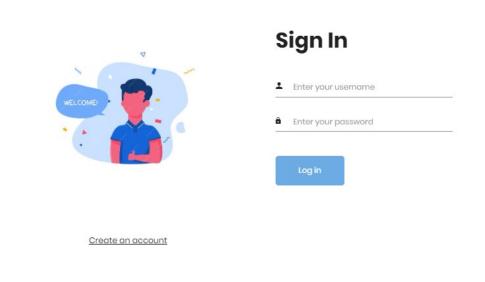


Figure 3: Food Management(Admin)

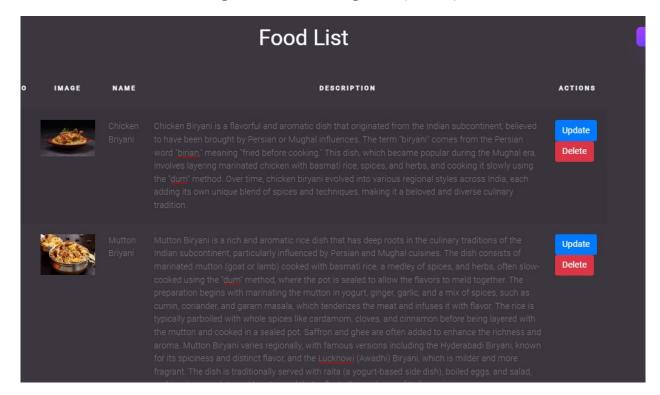


Figure 4: Add new Food (Admin)

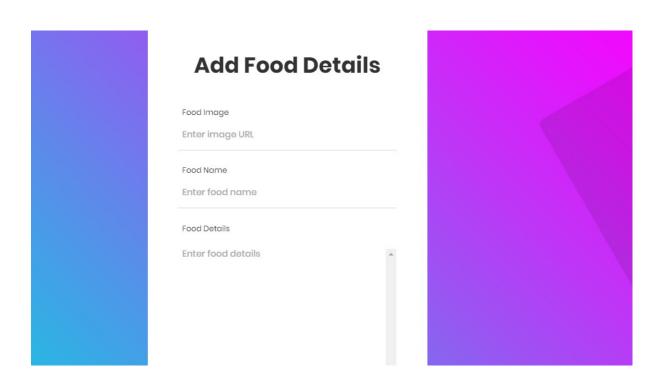


Figure 5: Home Page(Customer)

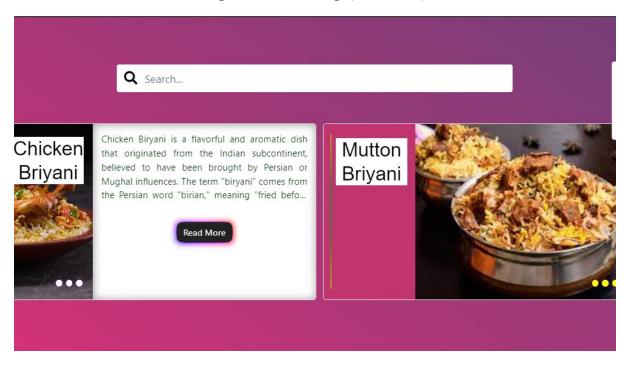


Figure 6: Search Food Page(Customer)

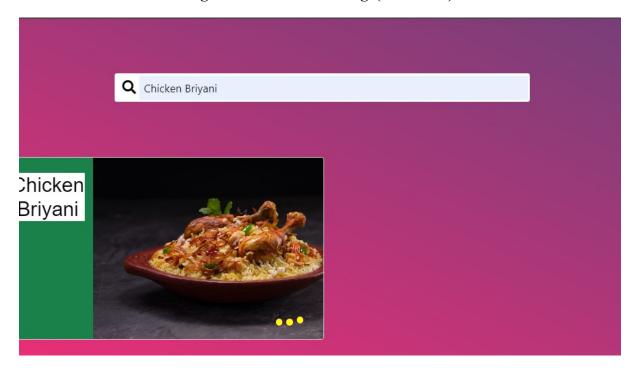
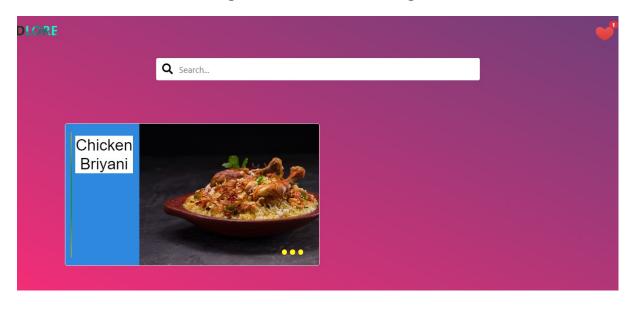


Figure 7: Favourite Food Page



CONCLUSION

In conclusion, The FoodLore project represents a significant advancement in the way users interact with food-related information and services. By combining an educational exploration of food history with a user-friendly shopping experience, FoodLore not only enriches users' culinary knowledge but also makes ordering food from external services like Zomato and Swiggy seamless and efficient. FoodLore stands out as an innovative solution in the food technology space, fostering a more inclusive, informative, and enjoyable experience for all users. Through continuous updates and improvements based on user feedback, FoodLore aims to maintain its relevance and effectiveness in meeting the evolving needs of its users.

FUTURE ENHANCEMENT

The project has a very vast scope in future. The FoodLore project has the potential for several exciting enhancements. Personalized recommendations can be implemented using machine learning algorithms to tailor food suggestions based on user preferences. Integrating Augmented Reality (AR) features will offer immersive experiences, allowing users to explore food preparation methods and origins interactively. Continuous updates to the expanded food database will provide a wealth of diverse cuisines and historical insights. Utilizing enhanced user analytics will help track engagement patterns and inform future updates. Additionally, social integration can create a community around food exploration, while sustainability features will highlight eco-friendly practices, promoting informed and responsible food choices among users.