Catering Hub - Online Catering Platform

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# Abstract

The Catering Hub is a web-based platform designed to connect catering service providers with customers.   
It features a user-friendly interface for customers to browse and order catering services, and an admin dashboard for managing orders, services, and users.   
The system integrates Firebase for authentication, database storage, and hosting, ensuring scalability and reliability.

# Objectives

- Provide an online platform for catering service providers to list their services.  
- Allow customers to browse, select, and order catering services.  
- Enable admins to manage products, orders, and users.  
- Ensure secure and seamless authentication using Firebase.

# Technologies Used

- HTML5, CSS3, JavaScript (Frontend)  
- Firebase Authentication, Firestore Database, Firebase Hosting (Backend & Deployment)  
- Responsive Web Design principles

# System Modules

1. Authentication Module (Login, Registration, Logout)  
2. Admin Dashboard (Manage services, view orders)  
3. User Dashboard (Upload services, manage profile)  
4. Orders Module (Place, view, and manage orders)  
5. Home Page (Showcase available services)  
6. Error Handling (Custom 404 page)

# Features

- Secure Firebase Authentication  
- Real-time database operations  
- Role-based access for Admin and Users  
- Mobile-friendly responsive design  
- Order tracking and management

# Testing Details

Testing was performed manually across multiple browsers and devices to ensure responsiveness,   
functionality, and proper integration with Firebase services.

# Deployment

The project is deployed using Firebase Hosting. The hosting process includes building the application,   
configuring firebase.json, and running 'firebase deploy' to publish the website online.

# Conclusion & Future Scope

The Catering Hub provides an efficient way for catering service providers to reach customers and manage their services online.   
Future enhancements could include integrated payment gateways, advanced search filters, and customer review systems.