Event Booking App

Developed using Flutter & Firebase

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Introduction

- A mobile application developed using Flutter and Firebase that allows users to browse events, book tickets, and manage their bookings seamlessly.

Key Functionalities

- - User Authentication (Login/Register)
- - Event Browsing & Details View
- - Ticket Booking & Payment
- - Profile Management
- - Booking History
- - Multi-language Support (Localization)

Features Implemented

- - Navigation & Routing
- - Event Listings with Images
- - Firebase Database for User & Event Management
- - Payment Redirection to UPI App
- - Localization for Multi-language Support
- - Responsive Layout with Flutter UI Components

Authentication (Login/Register)

- - Users can register and log in securely using Firebase Authentication.

- - Form validation using Flutter's Form widget.

- - State management with ViewModel.

Home & Event Listing

- - Displays a list of available events.

- - Uses a custom event card widget.

- - Fetches event data from Firebase.

Event Details Page

- - Displays detailed information about an event.
- - Includes date, time, venue, and images.
- - Allows users to book tickets.

Booking & Payment

- - Users can book tickets for an event.
- - Payment redirection to a UPI app for seamless transactions.
- - Firebase stores booking details.

Profile & Booking History

- - Displays user profile information.
- - Shows booking history with event details.
- - Users can update profile data.

Firebase Integration

- - Firebase Authentication for user management.

- - Firestore Database for event and booking storage.

- - Firebase Services implemented in a separate layer.

Localization (Multi-language Support)

- - Supports multiple languages using Flutter's localization package.
- - Strings managed in separate JSON files.
- - Language can be switched dynamically.

Challenges & Solutions

- - Handling Firebase authentication → Used Firebase Auth

- - UI responsiveness → Used Flexible and Expanded widgets

- - State management → Implemented ViewModel pattern

- - Multi-language support → Integrated Flutter localization

Future Enhancements

- - In-app payment gateway integration
- - Seat selection feature for events
- - Event filtering & search functionality
- - User reviews & ratings for events

Thank You!