Event RSVP

Introduction

Event RSVP is a mobile application designed to help users reserve event bookings by selecting an event and indicating whether they will attend. The application has been developed as a concept to visualize the workflow of an event reservation system. An admin panel has been created for managing events, while a user section allows attendees to make reservations.

Setup

Inorder for the system to run smooth please create an account as a user, a default account if also available and the login credentials are

Email: admin@admin.com
Password: password1@

Functional Components

The application includes the following features:

- **Authentication:**
  - User registration within the application.
  - Secure login for users.
- **Access Control:**
  - Different access levels for users and administrators.
- **Event Management:**
  - Viewing available events.
  - Viewing attendees for an event.
  - Selecting and booking an event.
  - Canceling a reservation.
- **Offline Support:**
  - Offline access using Hive.
  - Background synchronization when the internet is available.
- **User Experience Enhancements:**
  - In-app notifications.
  - Toggle between online and offline modes.
  - Logout functionality.

Challenges

- **Hive Setup Issues:**
  Initially, setting up Hive was challenging as the adapter registration stopped working. I considered switching to another package but eventually resolved the issue by referring to solutions on Stack Overflow.
- **Events Page Bug:**
  While developing the events page to display the events a user is attending, I encountered an issue where the application kept flashing the events inconsistently. After troubleshooting, I discovered that I was referencing the wrong Firebase collection and model. Additionally, I realized that an empty array was being returned after UI re-rendering. Fixing these issues resolved the problem.

Architecture

Feature-based Clean Architecture with elements of BLoC (Business Logic Component) architecture
Each feature has its own model, bloc, and database / repository keeping the code modular and scalable.
Also bloc pattern for state management.
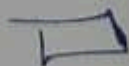
System Prototype
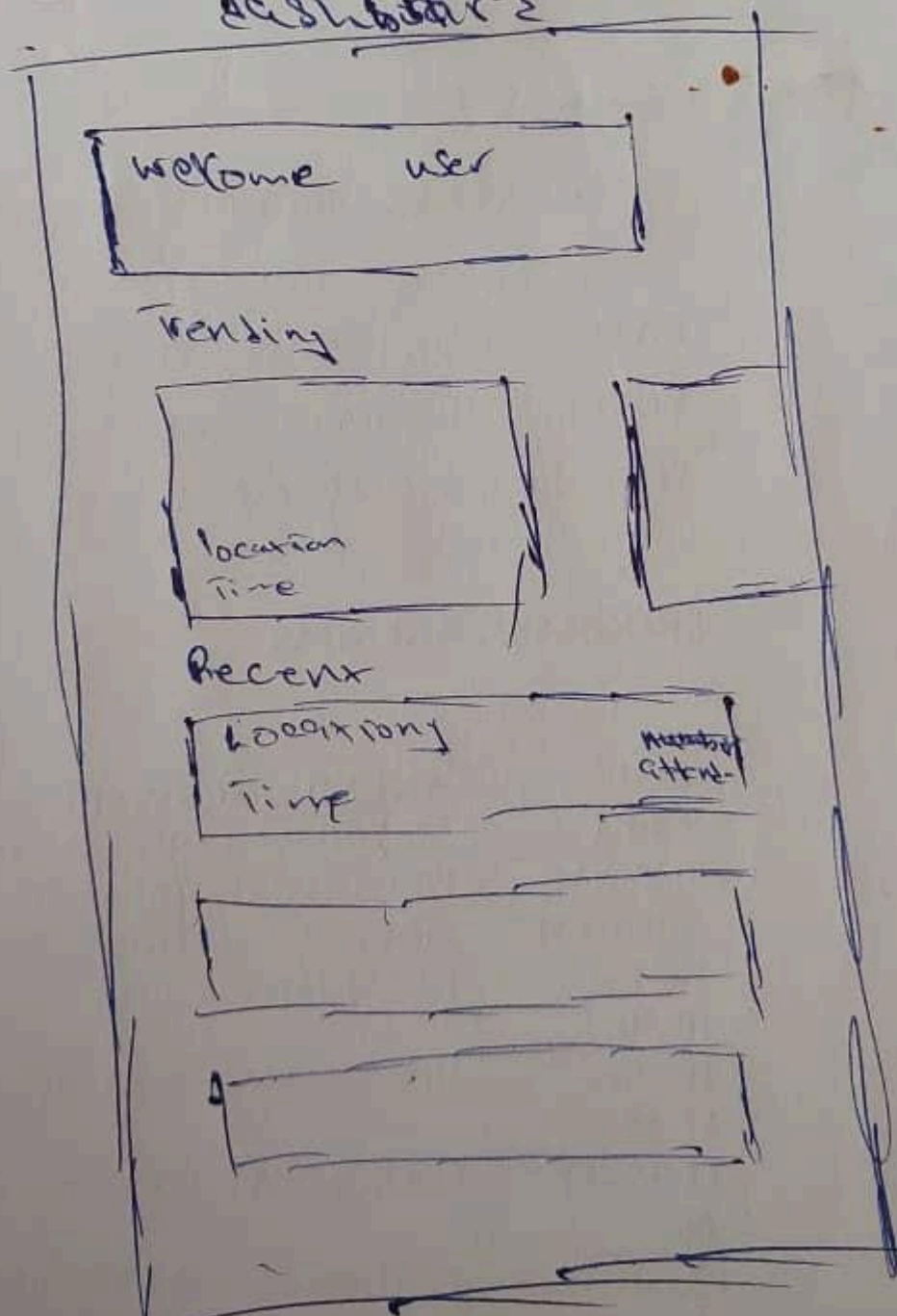
Low fidelity

Authentication Sugg

Welcome

forget password

Create account? Signup

Step UI Sketch

Dashboard

Welcome user

Trending

location
Time

Recent

Locations
Time

Number
Attend-

View event

Image of the event

on going

Details extra

Time	attendance
venue	# occura

RSVP

notification / my events

Fresh bin

← back
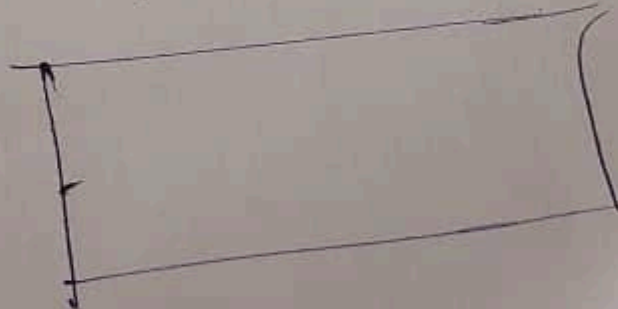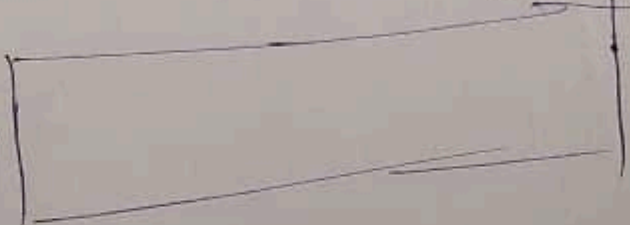
High Fidellity

DASHBOARD

Hello, mackay chirwa!

What would you like to explore today?

Trending

KPOP Award Indonesia
Dec 22 | Jakarta
$120

Color Festiva
Dec 31 | Bali
$60

Best For You

	Fire festival	10
	Lilongwe	Attendees
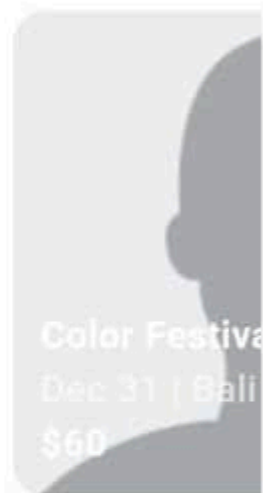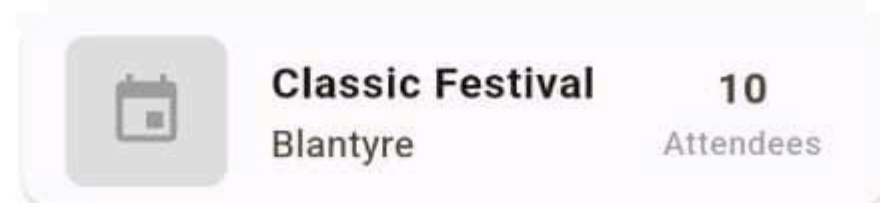
	Classic Festival	10
	Blantyre	Attendees

My Events

📅	**Fire festival** Lilongwe	**10** Attendees
📅	**Classic Festival** Blantyre	**10** Attendees

Profile

✏️   **Edit Details**

⚖️   **Legal Information**

❓   **Help**

ℹ️   **Version**

🔄   **Clear Cache**

📶   **Online Mode**   🔵

➡️   **Logout**

Notifications   🗑

Upcoming Event Alert
Your RSVP for the event has
been confirmed.

1:13 PM
July 2, 2025

**RSVP Deadline
Approaching**
There has been an update
to the event details.

12:37 AM
July 6, 2025

Event Reminder
There has been an update
to the event details.

10:48 PM
July 24, 2025

Event Reminder
Your RSVP for the event has
been confirmed.

2:40 PM
July 3, 2025

Event Update
Your RSVP for the event has
been canceled.

6:14 PM
July 7, 2025

Event Reminder
Your RSVP for the event has
been confirmed.

3:09 PM
July 2, 2025

Welcome Back

To Event RSVP

👤   Enter Name

✉️   Enter Email

Select Country

MW (+265)   ▾   Enter Phone Number

🔒   Enter Password

🔒   Confirm Password

Sign Up

Already have an account?   Login

Welcome Back

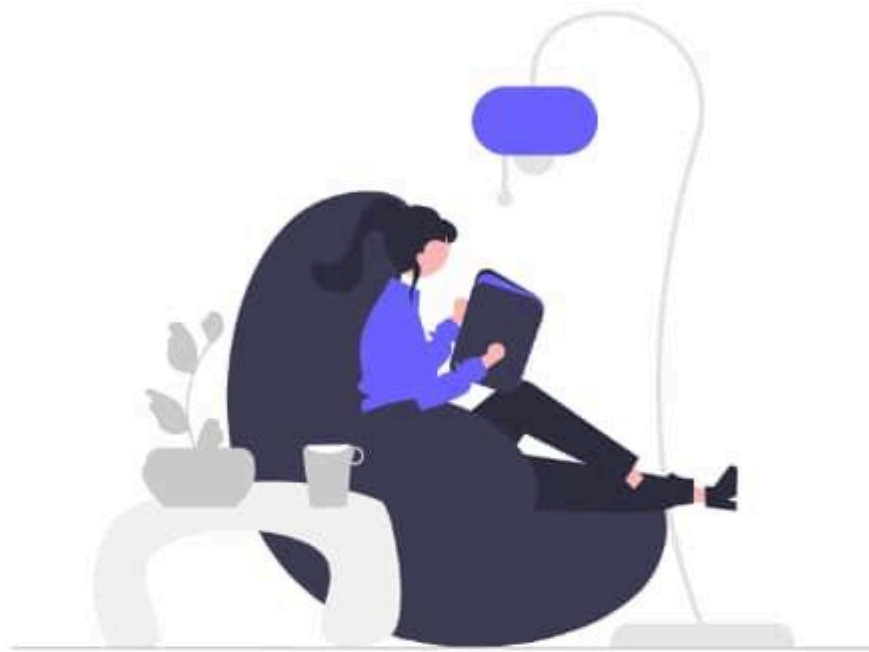To Event RSVP

Enter Email

Enter Password

✓ Remember Me   Forgot Password

Sign In

Don't have an account? Sign up

Personalized Notifications

Send automatic reminders, updates, and thank-you messages to guests. Keep everyone informed with scheduled notifications via email or SMS.
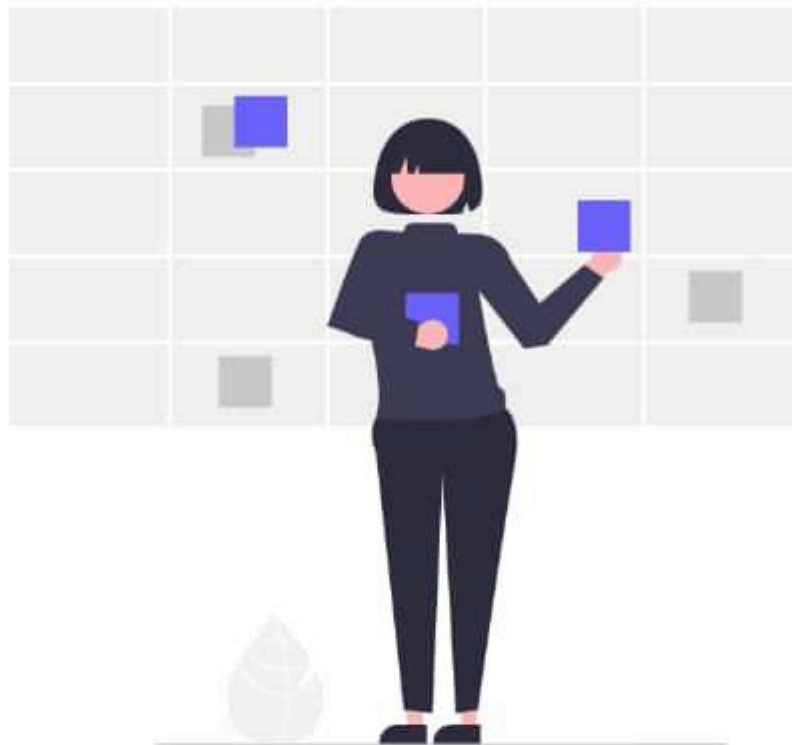
Skip

Done

Offline Access

Access and manage event details even without an internet connection. Our offline mode ensures you never lose critical event information.
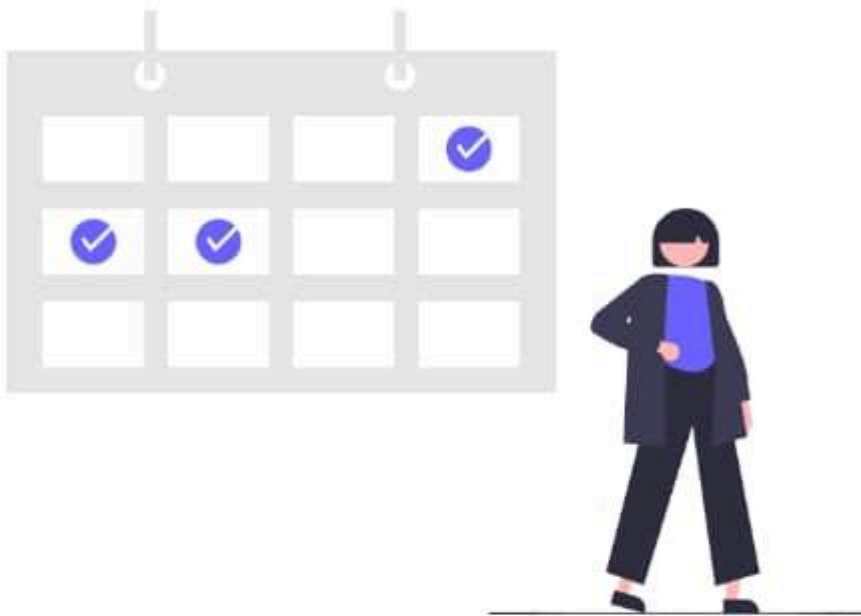
Skip

Instant RSVP Tracking

Keep track of RSVPs in real-time. See who has confirmed, pending responses, and send reminders to ensure maximum attendance.
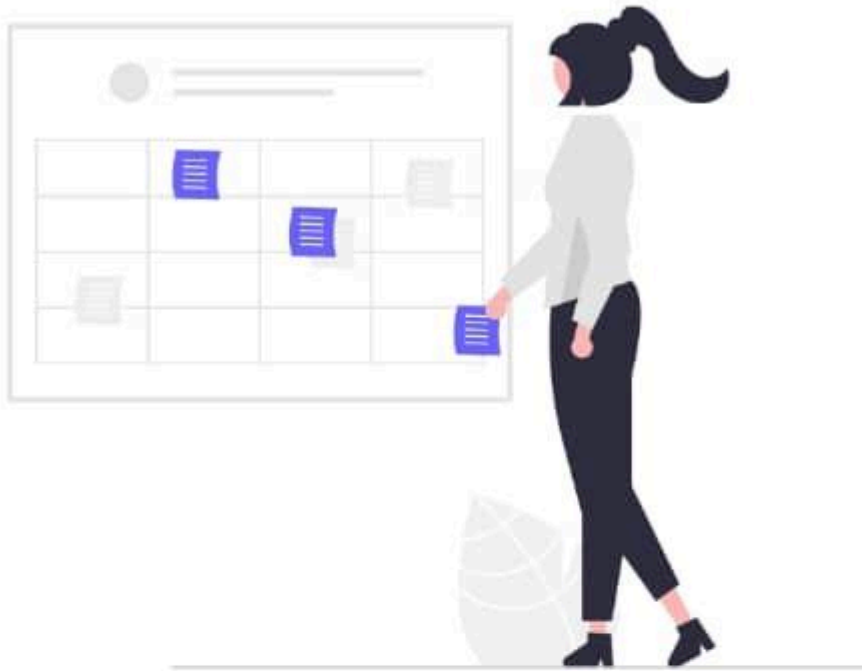
Seamless Event Planning

Effortlessly organize and manage events with an intuitive interface. Send invitations, track attendees, and stay in control of every detail.

Skip   >