

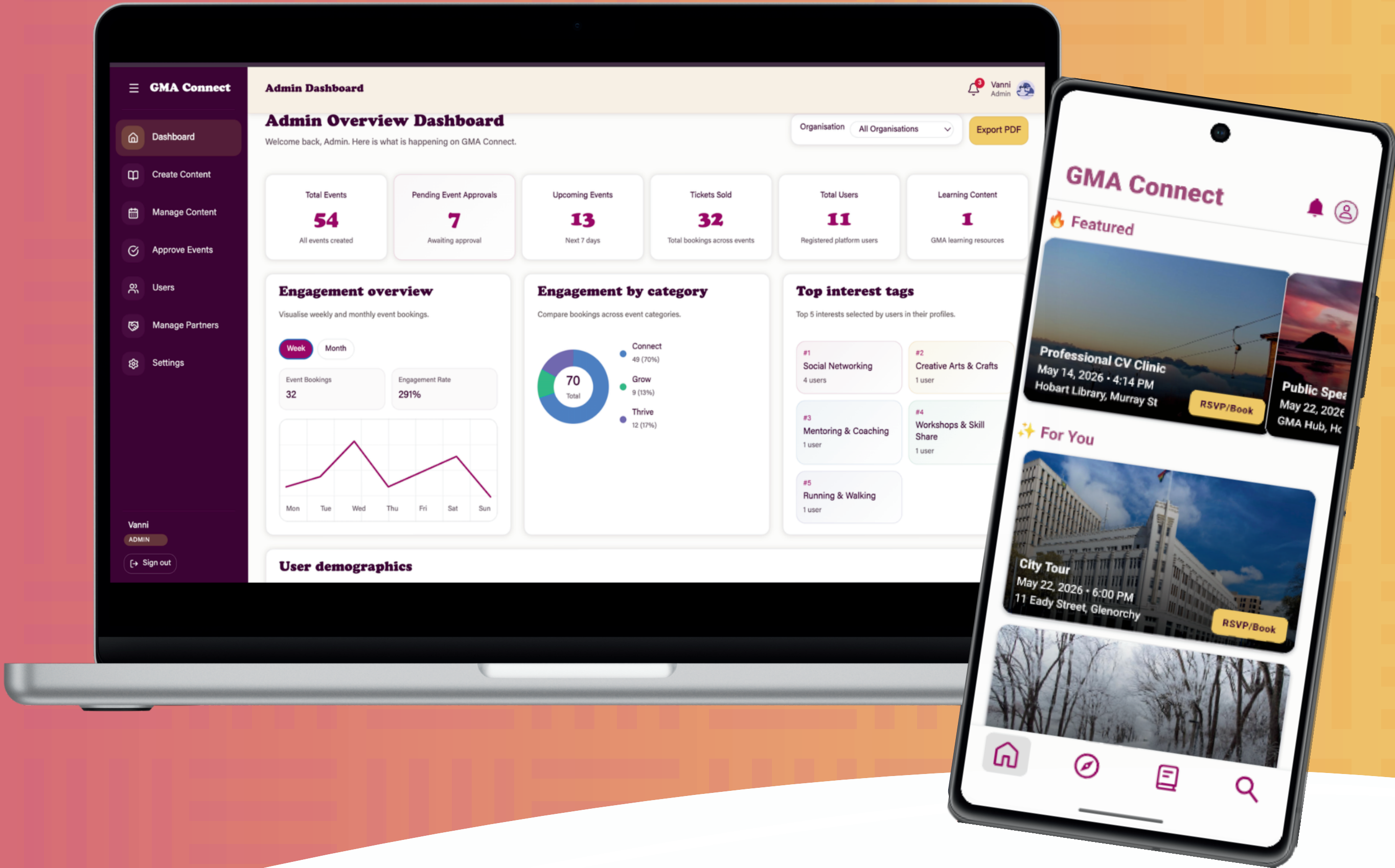
GMA Connect.

A Digital Home for Skilled Immigrants

University of Tasmania | Guess My Accent Collaborative Project

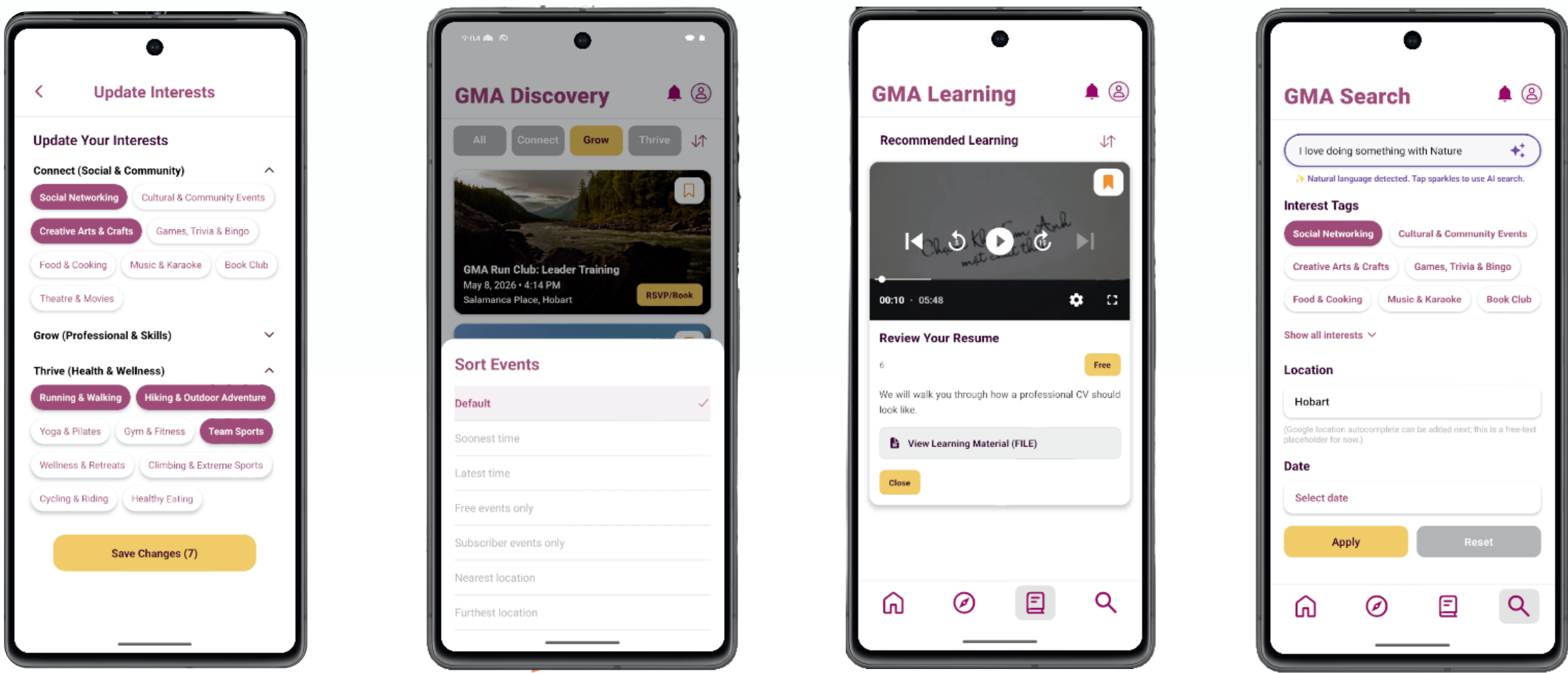
Authors - Group 04

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Introduction

GMA Connect is a full-stack mobile and web platform designed to help skilled migrants in Tasmania discover community events, access personalised opportunities, and build stronger social connections. The system includes a mobile app for general users with personalised recommendations, membership features, and secure event booking, alongside a web dashboard for admins and partners to manage events, users, and analytics.



Main Features

Admins & Partners (Web App)



Content Management

- Create and manage events
- Attendance tracking
- Create and manage online learning content

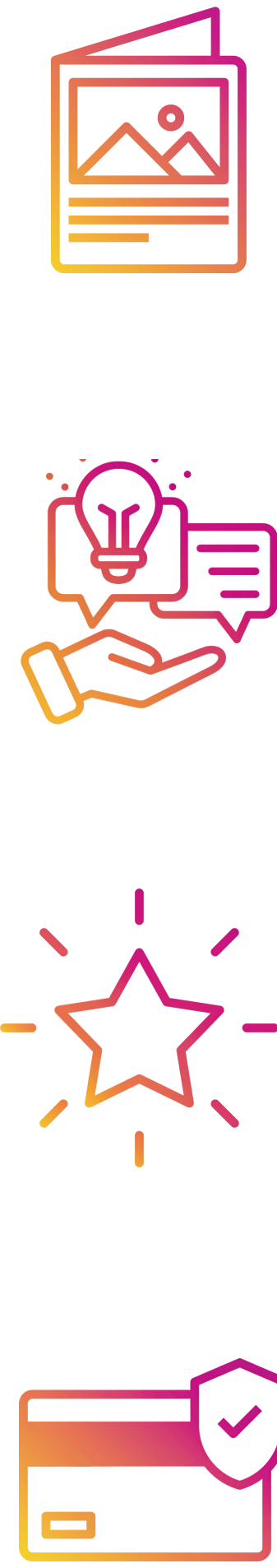
User Management

- Admin role controls
- Authentication management

Analytics Dashboard

- Engagement trends
- Attendance visualisation
- Event performance insights

General Users (Mobile App)



Smart Event Catalogue

- Browse and filter events
- Search by interests/categories

Personalised Recommendations

- Tag-based recommendation system
- Prioritises: User interests, Event categories, Time, Location

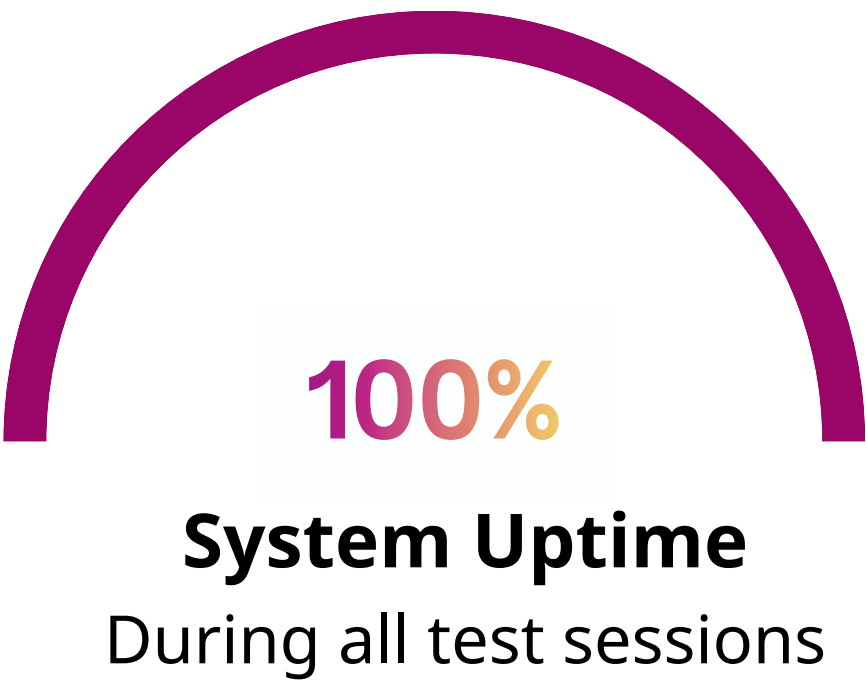
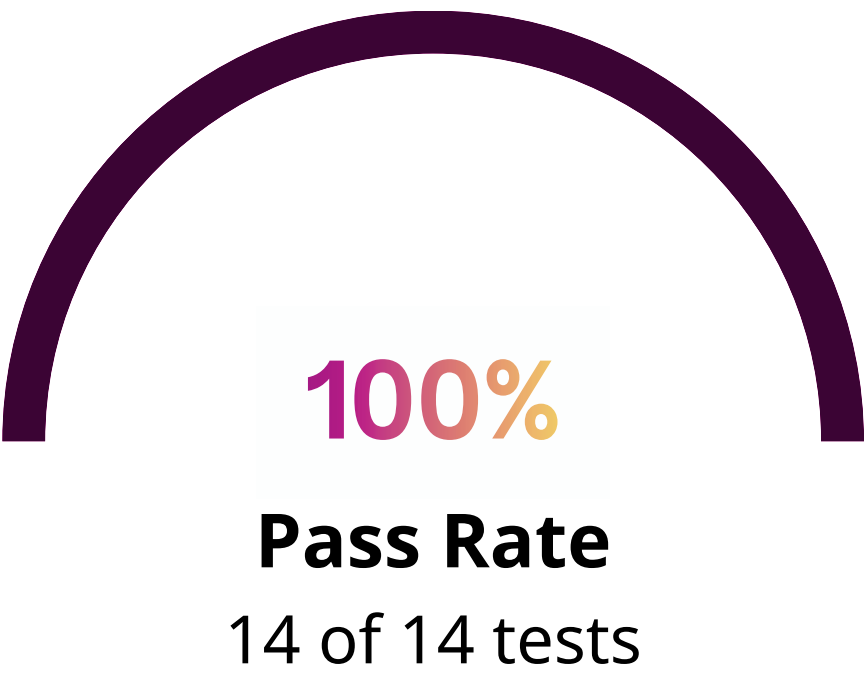
Membership Features

- Exclusive events and learning courses
- Subscription support with Google Play Billing

Secure Payments for Ticket Booking

- Stripe integration for ticket booking

Testing & Analysis



Tech Stack

Category	Technologies	Purpose
Frontend (Mobile) ▾	React Native, TypeScript, Expo	Builds the user mobile app for event discovery & bookings.
Frontend (Web) ▾	React.js, TypeScript, CSS	Builds the admin/partner dashboard.
Backend & Cloud ▾	Firebase, Google Cloud	Handles data, authentication, and system logic.
Database ▾	Firestore	Stores users, events and bookings.
Analytics ▾	GitHub BigQuery	Tracks user engagement and activity.
Deploy ▾	Google Play Console, Firebase Hosting	Launches mobile & web app publicly.
Payments ▾	Stripe, Google Play Billing, Functions	Processes ticket bookings & subscriptions.

