

Mobile Application Development - Monthly Progress Report

Frontend

Duration: March 10, 2025 – March 22, 2025

Platform: React Native (Version 0.78)







Status:  *Project Completed*

Project Summary




This report outlines the development timeline and accomplishments for the mobile application built using **React Native v0.78**. The app was developed for both Android and iOS platforms with complete language integration, user interface customization, feature implementation, and bug resolution. The application follows a clean UI design and offers functionality like onboarding, login/OTP, multi-language support, and map integration.




17 Development Breakdown

◆ Week 1: Setup & Core Features (March 10 – March 13)






-  Initialized the project with React Native environment for both Android & iOS.
 -  Structured folders for scalability and clean architecture.
 -  Integrated **React Navigation** with stack navigation for screen transitions.
 -  Added custom fonts and assets.
 -  Developed initial screens:
 - **Splash Screen**
 - **Onboarding Screen**
 - **Login Screen** with custom buttons and checkboxes
 -  Integrated multi-language support setup and modal.
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◆ Week 2: UI Expansion & Feature Implementation (March 15 – March 18)








-  Resolved issues with onboarding and language modal.
-  Added bottom navigation with 4 tabs.
-  Designed and implemented:

- **Home Screen**
 - **OTP Verification Screen**
 - **Login UI Enhancements**
 -  Downloaded and added dummy icons/images for layout design.
 -  Developed modals, detail screen, and redeem screen.
 -  Focused on UI consistency and component reuse.
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◆ **Week 3: Final Screens & Optimization (March 19 – March 22)**

-  Created and styled:
 - **Search Screen**
 - **Wishlist Screen**
 - **User Profile Screen**
 -  Finalized complete UI template for the app.
 -  Added **map integration** for the redeem screen.
 -  Conducted cross-platform bug testing.
 -  Completed:
 - Multi-language support
 - Final UI polish
 - Android-specific bug fixes
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🌟 **Key Features Developed**

-  Splash & Onboarding with custom transitions
 -  Multi-language modal with dynamic language switching
 -  OTP & Login functionality with validation
 -  Bottom tab navigation for Home, Search, Profile, etc.
 -  Redeem screen with map & location feature
 -  Reusable custom components: Buttons, Inputs, Modals
 -  Clean and responsive UI for Android & iOS
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✏️ **Testing & Bug Fixes**

-  Verified screen responsiveness across multiple device sizes.
-  Resolved navigation glitches and styling inconsistencies.
-  Fixed Android-specific issues (padding, keyboard overlap, rendering bugs).
-  Cleaned up unused assets and improved performance.

✅ **Final Status:**

- 📱 Mobile App: **100% Completed**
- 🌐 Multi-language: **Fully Integrated**
- 🔧 Bugs: **Resolved & Polished**
- 📁 Project Files: Structured & Organized

Phase 2 Report

Duration: March 23, 2025 – April 14, 2025

Platform: React Native + React + Firebase

Status:  *Project Published*






Project Summary

This second phase of development focused on backend integration, admin panel creation, bug fixing, and final deployment of the mobile application. Firebase was used for backend services including Firestore, Authentication, and Realtime Updates. An admin panel was developed using **React.js + Firebase** to allow dynamic data management. The application was successfully published after rigorous testing and refinement.







Development Breakdown





◆ Firebase Integration & Backend Setup (March 23 – April 2)

-  Integrated Firebase Authentication for secure login.
 -  Set up Firestore database for real-time data storage and retrieval.
 -  Configured Firebase Storage for image uploads.
 -  Integrated Firebase Cloud Messaging (FCM) for push notifications (if applicable).
 -  Created dynamic data models for venues, categories, and user interactions.
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◆ Admin Panel Development (April 3 – April 10)

-  Built a **React-based Admin Dashboard** connected to Firebase.
 -  Features included:
 - Login for Admin
 - Create, Update, and Delete (CRUD) operations for app data
 - Upload images and manage content
 - View app data in real-time using Firestore
 -  Used Tailwind CSS + React Hooks for a responsive and clean UI.
 -  Role-based access (if implemented or planned for future).
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◆ Final Testing, Bug Fixes & Publishing (April 11 – April 14)

-  Conducted complete QA testing across Android and iOS platforms.
 -  Fixed final bugs related to:
 - Data not syncing properly
 - Navigation glitches
 - UI edge-case issues
 -  Optimized app performance and responsiveness.
 -  Successfully **published the mobile application** on target platforms.
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17 Post-Publish Update (April 15, 2025)

-  Replaced all dummy content with **real production data** from admin panel.
 -  Final content cleanup and visual polish.
 -  Post-publish testing to ensure live data display was successful.
 -  Verified integration with Firestore reflected all real-time updates.
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🌟 Key Features Implemented in Phase 2

-  Firebase Authentication & Firestore Integration
 -  Image Upload and Management with Firebase Storage
 -  Custom-built Admin Panel (React + Firebase)
 -  Real-time content control and updates
 -  Final bug fixing and app deployment
 -  Real data update post-publication
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Project Status: COMPLETE

-  Backend: Firebase (Realtime DB + Auth + Storage) –  Integrated
-  Admin Panel: React.js + Firebase –  Completed
-  App Status:  Published
-  Live Data:  Updated