**ADR 8: Selection of Push Notification Service Provider**

**Context**

The team needs to choose a push notification service provider to implement a system for push notifications for the mobile app. Team needs to consider app features and a system that supports both android and iOS. System should also provide option to personalize messages to deliver relevant notifications to the users.

**Decision**

Team will be using Firebase Cloud Messaging (FCM) as the push notification provider for the app.

**Rationale**

FCM supports both android and iOS which enables us to provide a unified solution for both platforms. Unlike, Apple Push Notification Service (APNs) which only allows iOS devices for push notifications.

FCM offers a lot of features for personalizing and message targeting, allowing users to engage with notifications according to their preferences and behavior.

**Status**

Accepted

**Consequences**

**Cross-platform Support:** Firebase Cloud Messaging (FCM) provides support to both android and iOS platforms, ensuring that each uses receives notifications.

**Reliability and Scalability:** FCM offers both Reliability and Scalability, which makes it capable of handling large numbers of notifications.

**Ease of Integration:** Integration of FCM into mobile app is very easy and straightforward, with support provided by Firebase, which reduces development time and efforts required.