Reserver App

**Resource Model**

Introduction

The Resever App is an android based venue reservation app which will allow the users to book various types of venues for their desired events or functions. The system will have two types of users the owners and the customers, first the owners who will be able to put up their venues for booking through this app and secondly the customers who will be able to book different venues according to their choice from this app. We will be using android studio for the overall development of the app and firebase database for backend functionalities.

Resources

**Venues**

Venues are the prime resource of the app, the data related to venues will be stored in the firebase database field. Venues will have venue id, owner id, venue address, booking fee, venue pictures as fields in the firebase database. Whenever customers are going to book a venue, they will select a booking date and a time slot and when they confirm the booking, the booking information will be saved in a field named booking info. The booking info field will contain booking date, time slot and customer id.

**User Profile**

Both type of users will have their user profile information saved in database. User profile will have user name, phone number, email and permanent address fields in database and users can add and update these data from their profile.

**User Authentication**

Users will be able to sign up or authenticate themselves using their mobile phone number or email address this operation will be handled by firebase authentication system.