PRESENTATION

Project on Spare Room

Submitted by

Milan Malla (017-350)

Shuveccha Silwal (017-381)

Sijan Joshi (017-382)

Introduction

Android app based on material design.

01 **Location**

Search for rooms based on specified location.

02 **Platform for ad**

Platform for users both post ad for room and search for room

03 **Based on ad hunt**

Relies on a user posting add and another user searching for posted ads and selecting the room suitable for the user.

04 **Easy Searching**

Eliminate hazardous process of visiting house to house in search for room

05 **Save Money**

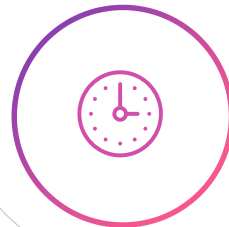Save some money by sharing of the room with multiple room partners.

06 **Material Design**

App based on material design.

Problem Statement

Budget Problem

compelled to live in unfacilitated room due to low budget.

Spare Room

Compelled to pay rent of the room that is not used.

Busy Lifestyle

People are busy most of the time and they do not have time.

Ads

platform to post ad for their spare room.

Search

help user search for suitable room.

Our Objective

Sharing

help other people by sharing their spare room.

Easy

get spare and vacant room without going house to house.

Scope and Application

Search Room

To facilitate user to search for spare and vacant room

Post Room

post ad for spare and vacant room

Easiness

Will eliminate a hazardous process of traditional room finding.
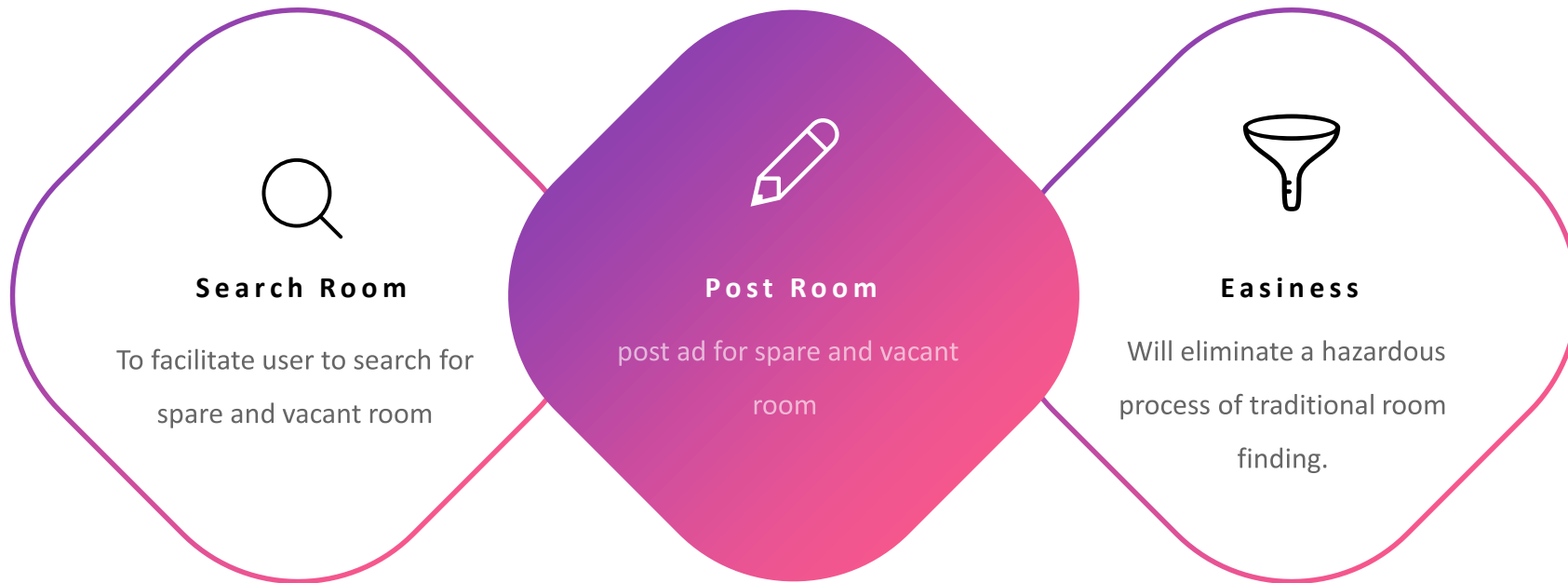
THE ABOUT

Feasibility Study

TECHNICAL FEASIBILITY

Technical Feasibility means whether the project is working in a perfect manner.

OPERATIONAL FEASIBILITY

Operational Feasibility means the project must perform its operation perfectly.

ECONOMIC FEASIBILITY

Economic Feasibility is a term which is related to estimation of cost required for the project.
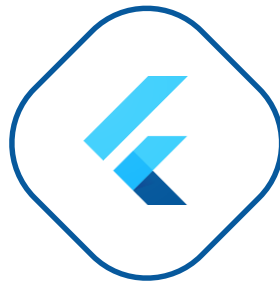
LEGAL FEASIBILITY

Legal Feasibility means the developing project must be legal

System Design

Our design is mostly going to be based on material design. We are going to use guidelines provided by the material design team.

Software Requirements

FLUTTER

Flutter is open-source UI software development kit created by Google.

FIREBASE

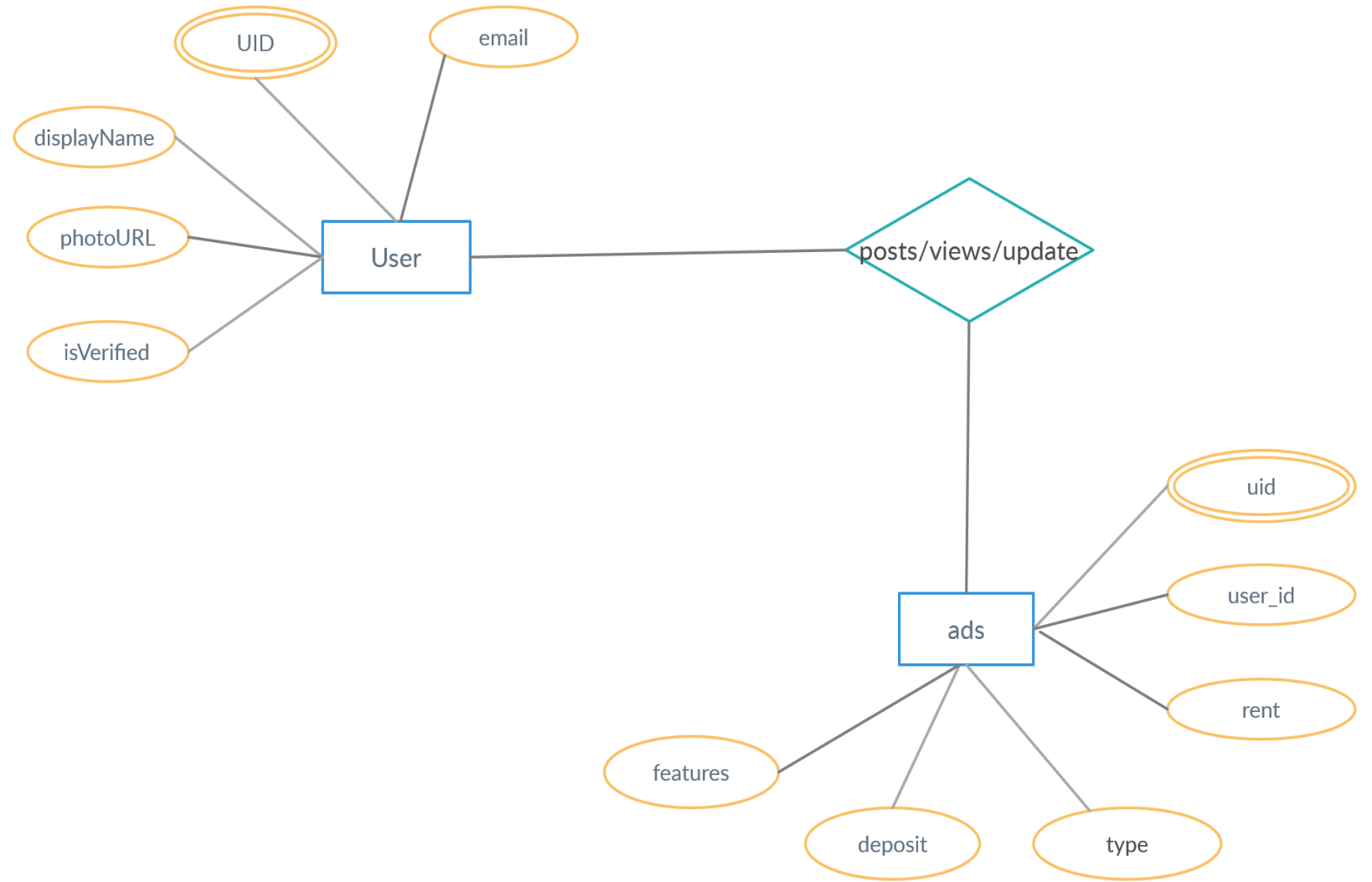Firebase is a mobile and web application development platform developed by Firebase, Inc.

DART

Dart is a client-optimized programming language for apps on multiple platforms.
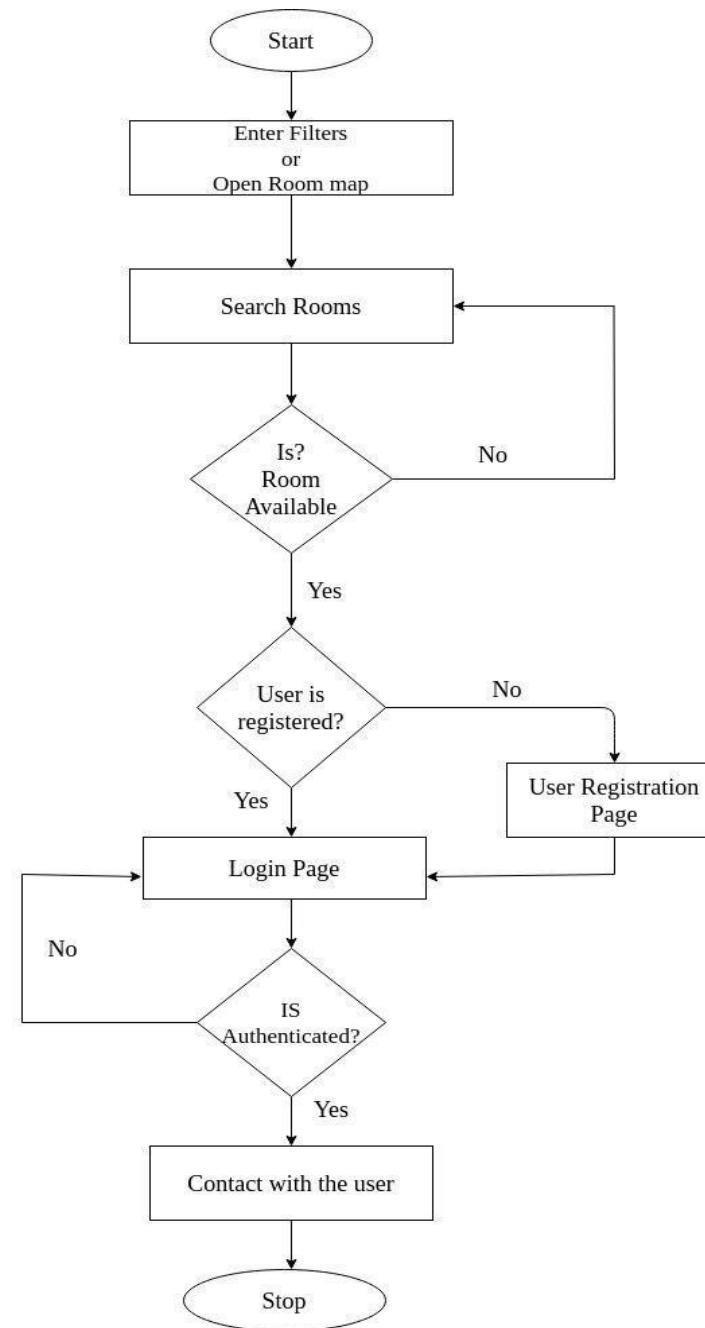
SpareRoom

ER
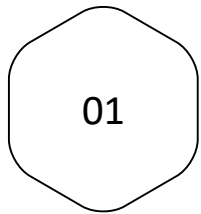# Diagram

UID

email

displayName

photoURL

isVerified

User

posts/views/update

ads

uid

user_id

rent

features

deposit

type

SpareRoom

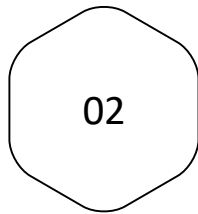# Flow Chart
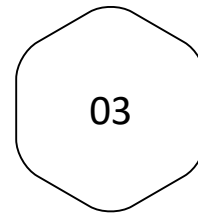
Modules

01

Admin Module

It is the module that has full control over other modules.
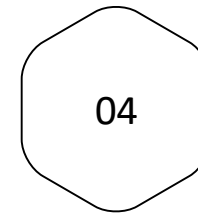
02

User Module

The module is responsible for the registration and management of the registered user.

03

Ad Module

This module manages the ad posted by the corresponding users

04

Message Module

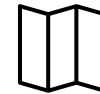This module manages the messages between user about the room.

Implementation and Discussion

Followings are the work completed,
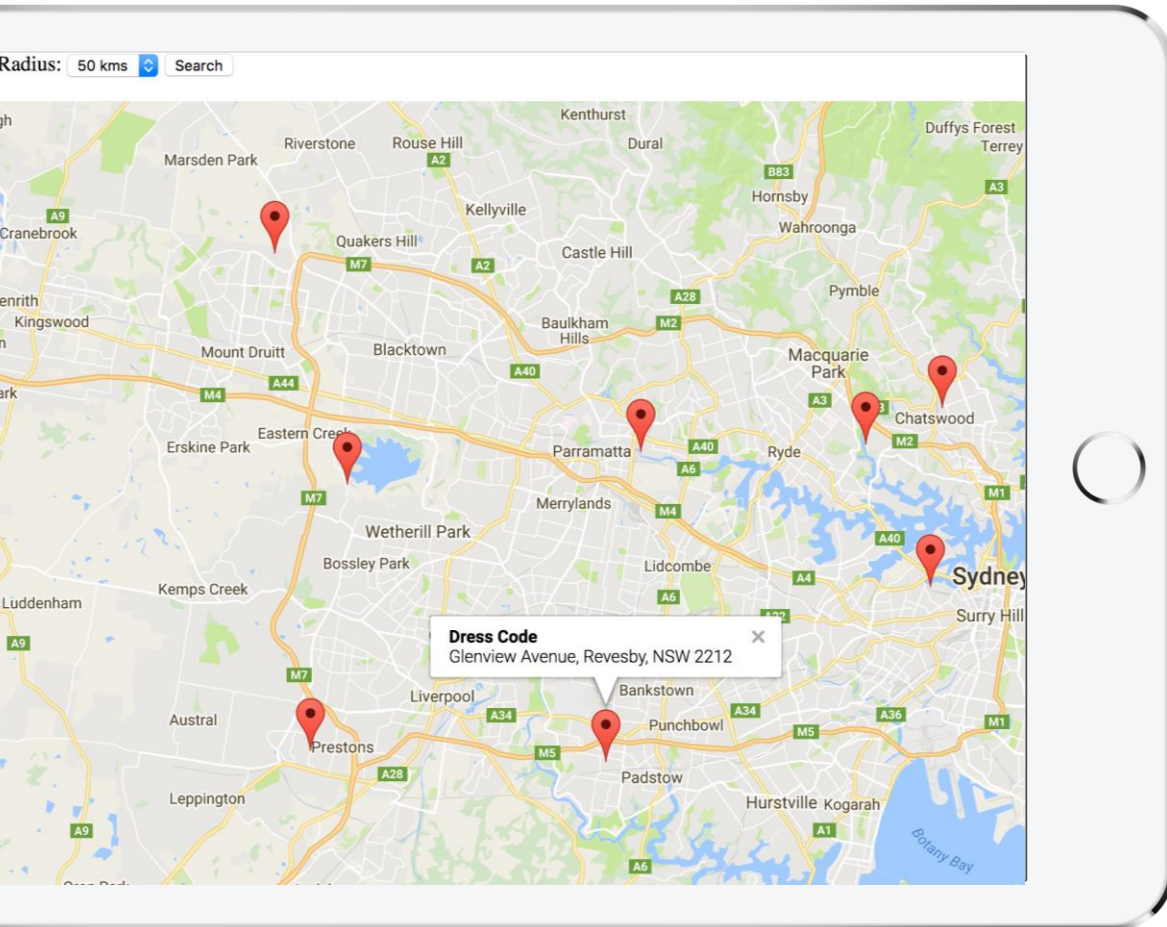
remaining works and output.

Work Completed

- Connected to backend service
- Completed App Design
- Completed User Auth
- Maps added

Work Remaining

- Password Retrieval
- Location in ads
- Messaging
- Expiry date for ad
- Search

Conclusion

Our "SpareRoom" mobile application is going to be designed in such a way that the user can post ad for spare and vacant room and search for spare and vacant room. This project will mainly focus on facilitating user to freely post ad and eliminate the traditional way of room finding where user has to visit house to house. Flutter is going to be used to make this project as productive as possible. Our main focus will lie on making the user interface as simple as possible. Hence this mobile application will be beneficial for user of any age group.

Thank You

SpareRoom