

ROOMMATE

**GUIDED BY:
Ms SHAMA K**

CREATED BY:

ABAY SEVI

AISWARYA EK

TERIN TOM

SANALJITH P

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INTRODUCTION

GOAL

- TO CREATE AN APPLICATION TO HOST OR FIND APARTMENT/ROOM TO FIND ROOMMATES.
- FREE OFF CHARGE.
- FOLLOW CURRENT STANDARDS FOR SECURITY.

INTRODUCTION contd

DESIGN PHILOSOPHY

DESIGN FOR :

->EXTENSIBILITY

->SIMPLICITY

->FUTURE PROOF

SOFTWARE USED

- FLUTTER
- FIREBASE
- GIT
- ANDROID SOFTWARE TOOL CHAIN
- VSCODE

FLUTTER



DEFINITION

OPEN SOURCE APP DEVELOPMENT FRAMEWORK.

WHY WE USED IT

WELL DOCUMENTED & SIMPLE.

CROSS PLATFORM : ONE CODE BASE FOR ALL SYSTEMS.

MODULAR : CODE IS EASY TO MODERATE AND CHANGE.

FIREBASE



DEFINITION

- BACKEND AS SERVICES, PROVIDE A FOSS TOOLS AND SERVICES BUNDLED TOGETHER.

WHY WAS IT USED

EXTENSIBLE : LOT OF BUILT IN TOOLS.

SUPPORT MANY API INTEGRATIONS.

WELL DOCUMENTED & SUPPORTED.

GIT



DEFINITION

- DISTRIBUTED VERSION CONTROL SYSTEM.

WHY WAS IT USED

- EASY TO COLLABORATE.
- DISTRIBUTED DEVELOPMENT & BRANCHING.
- TRACKS HISTORY.

ANDROID SOFTWARE TOOL CHAIN



DEFINITION

COMPONENTS FOR ANDROID SDK, HELPS TO INTERFACE WITH ANDROID PLATFORM.

WHY WAS IT USED

- EASY TO USE AND CONNECT ANDROID DEVICES FOR SOFTWARE DEVELOPMENT.
- CREATED AND SUPPORTED BY ANDROID DEVELOPERS.

VSCODE



DEFINITION

- MODERN CODE EDITOR WITH A LOT OF USEFUL FEATURES.

WHY WAS IT USED

- ROBUST SUPPORT SYSTEM USING EXTENSIONS
- INTELLISENSE :- ADVANCED AUTO COMPLETION AND SYNTAX HIGHLIGHTING FEATURE.
- EASY INTEGRATION WITH ALL OTHER SOFTWARE USED.

ROOMMATE



- AN APPLICATION TO TO FIND ROOMMATES.

FEATURES

- FREE AND OPEN SOURCE (BSD LICENSE).
- SIMPLE AND SECURE.
- INTEGRATION WITH USEFUL APIs.
- PROFILING & TRACKING EXPENSES AND USER.

FINDING A ROOMMATE

CREATE ACCOUNT

- CAN USE EMAIL OR PHONE NUMBER TO CREATE ACCOUNT
- OR LOGIN IF ACCOUNT
- SETTING UP YOUR PROFILE

GOTO NAVIGATION

- GOTO SEARCH BAR TO SEARCH FOR THE LOCATION/AREA
- AFTER THE SEARCH DISPLAY REFER THE RESULTS.

FINDING THE RIGHT HOST

- REVIEW EACH SEARCH RESULTS.
- LOOK OUT FOR THE KEYWORDS TO UNDERSTAND WHAT THE HOST IS EXPECTING

FINALIZING

- THE COMMUNICATION DETAILS WILL BE PROVIDED WITHIN THE POST.

HOSTING FOR A ROOMMATE

CREATE ACCOUNT

- CAN USE EMAIL OR PHONE NUMBER TO CREATE ACCOUNT
- OR LOGIN IF ACCOUNT
- SETTING UP YOUR PROFILE

CREATE A POST

- CREATE A POST FOR FINDING A ROOMMATE
- BE SURE TO ADD SPECIFICATIONS ON THE APART/ROOM

PROCESSING

- INTEGRATED API WILL PROCESS THE GIVEN INFO AND TRY TO MATCHMAKE YOU TO SUITABLE ROOMMATE
- THE TIME REQUIRED TO FIND IS VARIABLE.

FINALIZING

- THE COMMUNICATION DETAILS WILL BE PROVIDED WITHIN THE POST.

ROOMMATE contd

- **CURRENT CONSTRAINTS** :-
 - > NO SUPPORT FOR APPLE DEVICES AS OF NOW.
 - > NO INBUILT CHAT OR PAYMENT OPTIONS.
- **FUTURE UPDATES**
 - > ADDING A CERTIFICATION SYSTEM.

CONCLUSION

- WE HOPE THE APPLICATION WORKS OUT WELL.
- WE HOPE PEOPLE WILL FIND THIS APP USEFUL

REFERENCES

- FLUTTER : <https://flutter.dev/>
- FIREBASE : <https://firebase.google.com/>
- ANDROID : https://www.android.com/intl/en_in/
- VSCODE : <https://code.visualstudio.com/>
- GIT : <https://git-scm.com/>
- BSD LICENSE : <https://opensource.org/licenses/BSD-3-Clause>