

ROOMMATE

GUIDED BY:

Ms SHAMA KABEER

CREATED BY:

ABAY SEVI

AISWARYA EK

TERIN TOM

SANALJITH P

CONTENT

-INTRODUCTION

-DESIGN PHILOSOPHY

-SOFTWARE USED

-ROOMMATE

- CONCLUSION

-REFERENCES

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 SPECIFICATION

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

CONTD.

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.

CONTD.

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.

CONTD.

GIT



DEFINITION

- DISTRIBUTED VERSION CONTROL SYSTEM.

WHY WAS IT USED

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

CONTD.

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.

CONTD.

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.

CONTD.

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.

CONTD.

ROOMMATE

- **CURRENT CONSTRAINTS** :-
 - > NO SUPPORT FOR APPLE DEVICES AS OF NOW.
 - > NO INBUILT CHAT OR PAYMENT OPTIONS.

- **FUTURE UPDATES**
 - > ADDING A CERTIFICATION SYSTEM.

CONCLUSION

THE ROOMMATE APP HAS BEEN AN ENDEAVOR FOR US TO CREATE GAVE US AN INSIGHT ON WHAT HAPPENS IN CREATING AN APPLICATION. THIS KNOWLEDGE HAS MADE US REALIZE HOW IDEA IS CODED.

WE HOPE OUR SMALL APP WILL HELP PEOPLES OF OUR SOCIETY AND IMPROVE & BOOST THE ROOMMATE CULTURE.

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>