

Assignment 3

‘Whisper’

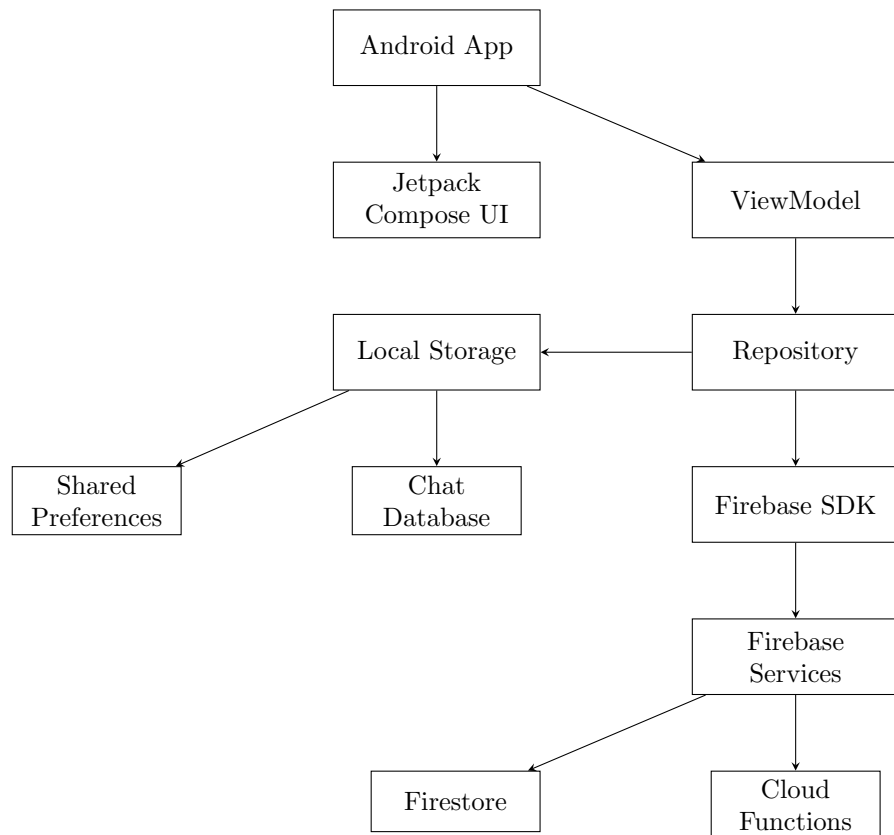
System Design

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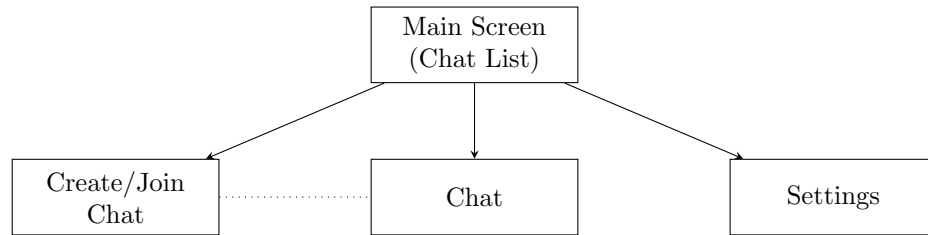
1 Technical Structure



- Data storage and management:
 - Firebase Firestore to store chats, messages and user data.
 - Firestore will handle chat and message synchronization.
 - E.g., room expiration.
- User management:
 - There is no user authentication planned due to the anonymized nature of the app.
 - Most relevant user data (preferences as such) will be stored locally.

2 Navigation

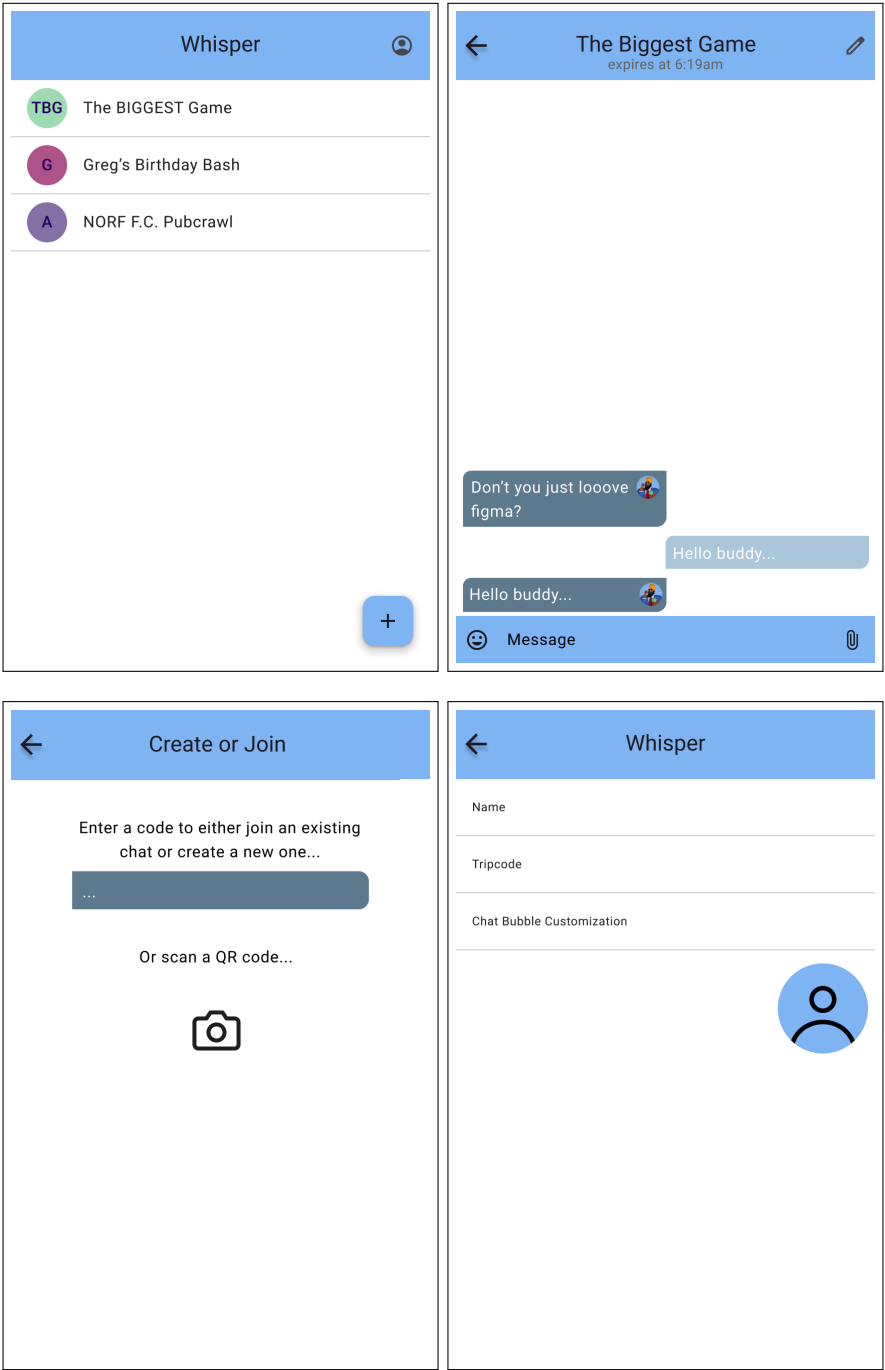
Below is a graph representation of the app’s navigation. The screens are unlikely to change much from the project proposal outside of changes made to comport with Material Design principles.



The dotted lines represent navigation to the chat that has been joined/created.

After some consideration, we’ve decided that we will join the Create and Join screens together.

The primary screens we have planned are shown in the images below.



3 Resources

We plan to source most art assets externally if we deviate from this we will, of course, document it. It's a little difficult to make this decision right now. But we do know that the following will be sourced externally:

1. Material Design symbols for common actions.
2. Sound effects (if implemented). E.g. push notifications.