

ARvatar

Group 6 DIP

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INSPIRATION



- In conventional messaging apps (e.g., Whatsapp, Telegram) use text and 2D visuals in an attempt to express themselves
- This inspired us to explore new mediums for expression with the use of 3D avatars and augmented reality (AR)

OBJECTIVE










Base Application

- Messaging application based off WhatsApp

Special Feature

- Interactive Avatars
- Avatar customisation
- AR integration

PRODUCTIVITY TOOLS

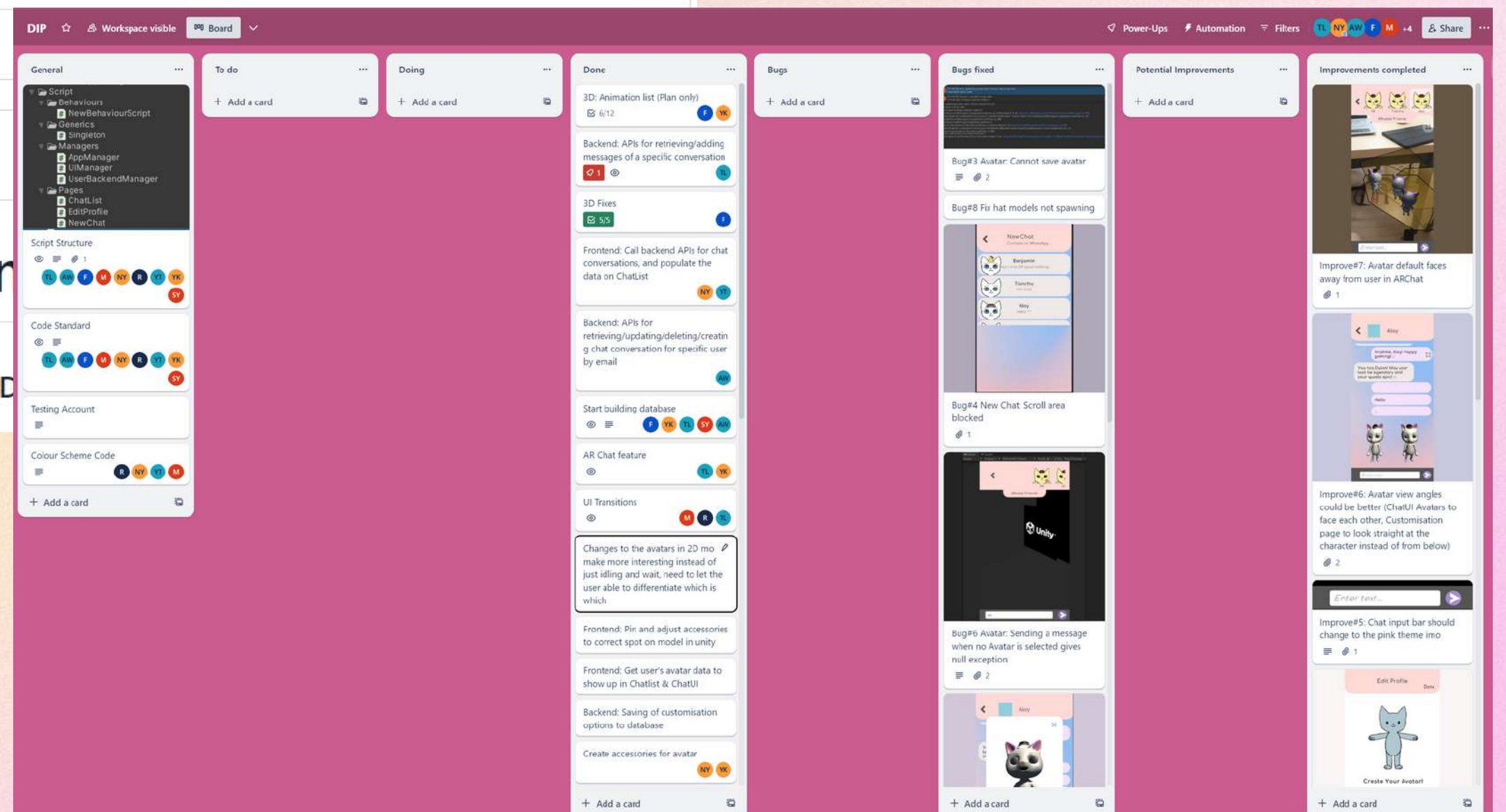
 Aravestia Merge pull request #547 from LiTianchu/alloysius ...			1f2de0f 16 hours ago	 1,349 commits
	DIPAvatarChat	bugfix		16 hours ago
	reports/individual	tianchu's indie report		18 hours ago
	.gitignore	update firebase sdk		last month
	LICENSE	Initial commit		3 months ago
	README.md	Update README.md		

☰ README.md

Project Associated with NTU IEM r

This is a unique Unity 3D chat app project integrated with AR and 3D

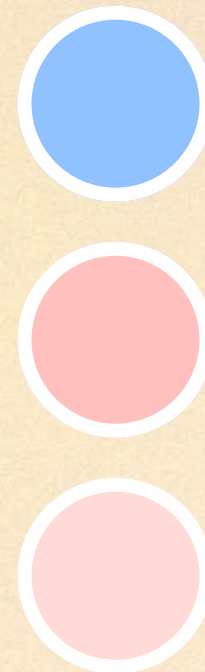
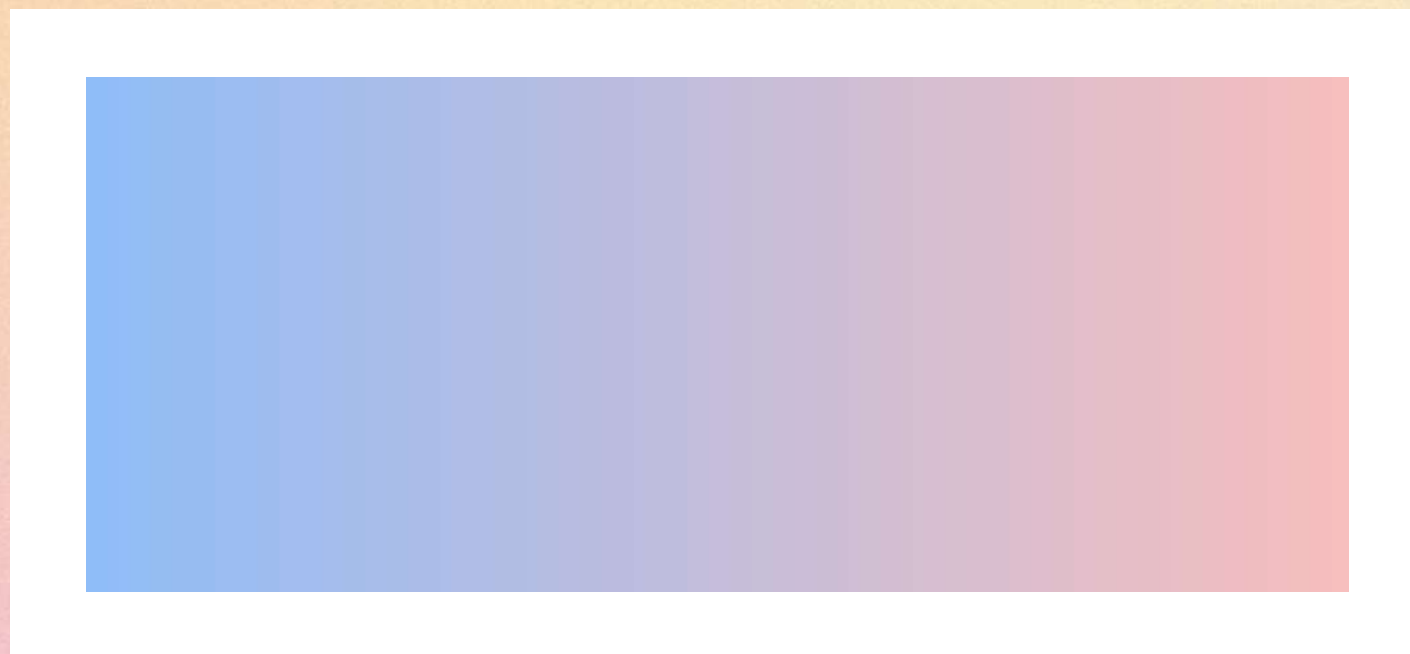
Trello and Github



THEME

Colour

Serenity & Rose Quartz:



Font

Comfortaa:

Minimalist, sans-serif font



THEME



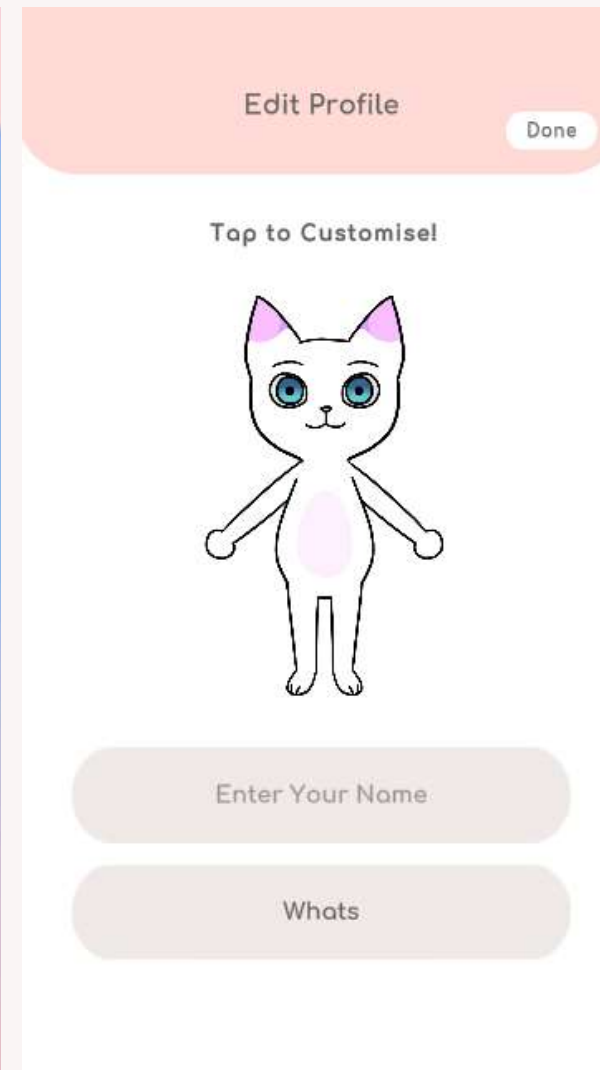
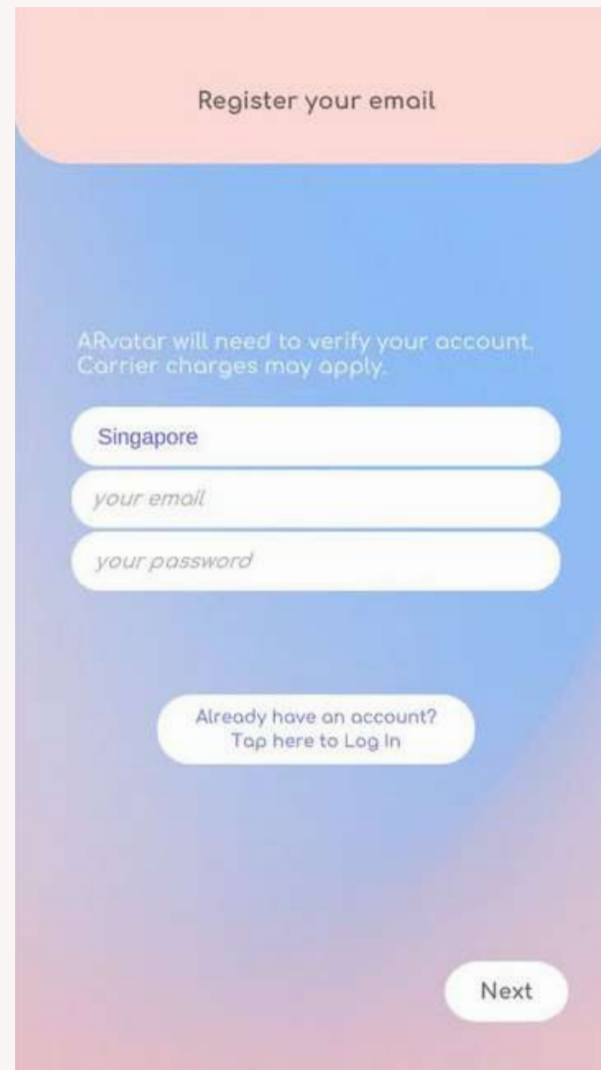
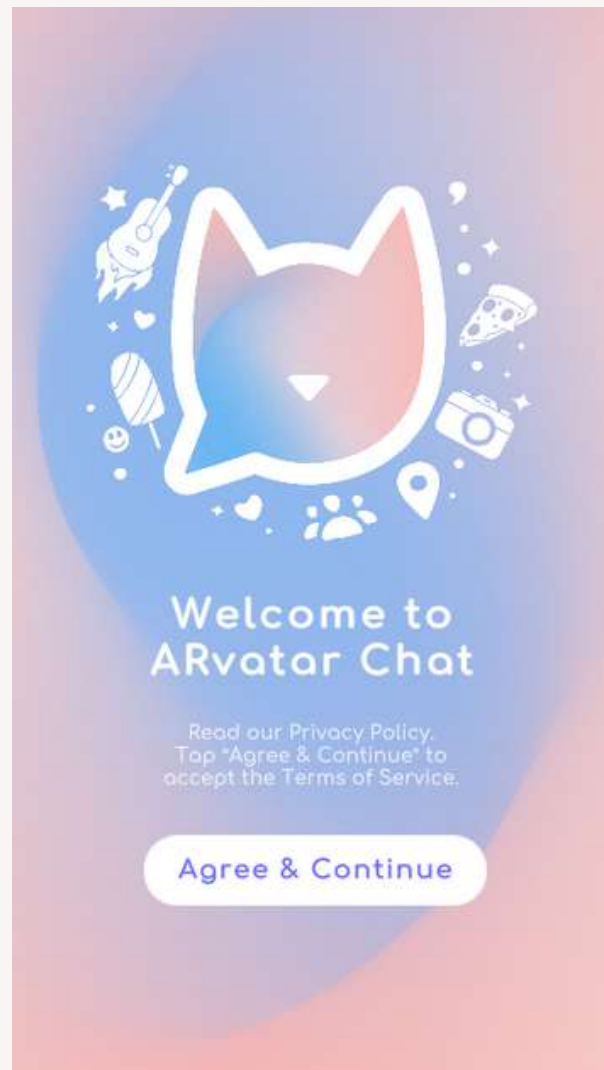
Logo

- Merge of chat bubble icon with minimalist animal ears
- Symbolise the Avatar functionality in our application

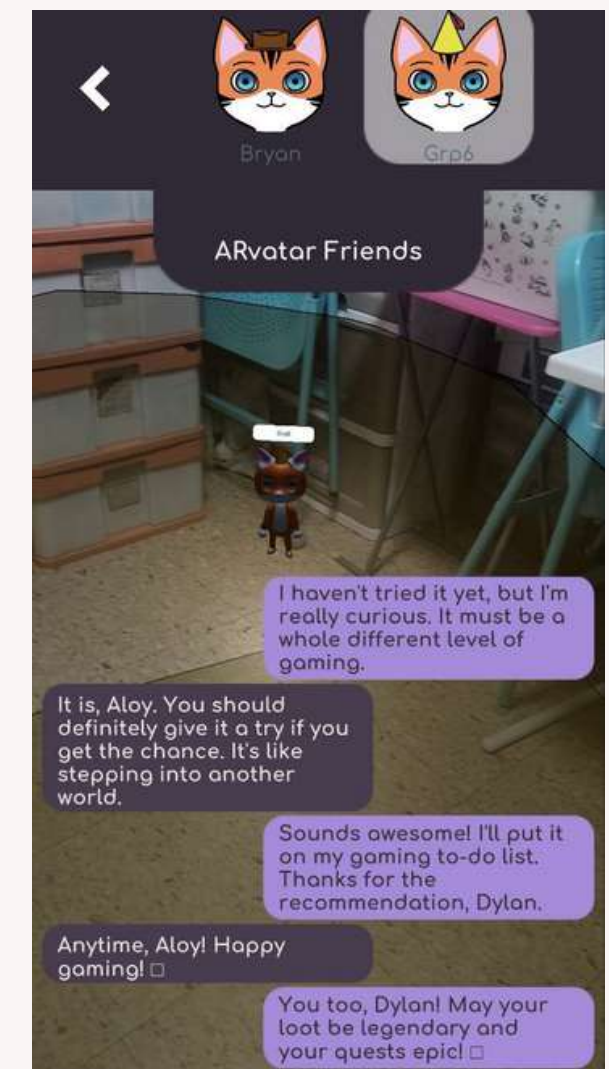
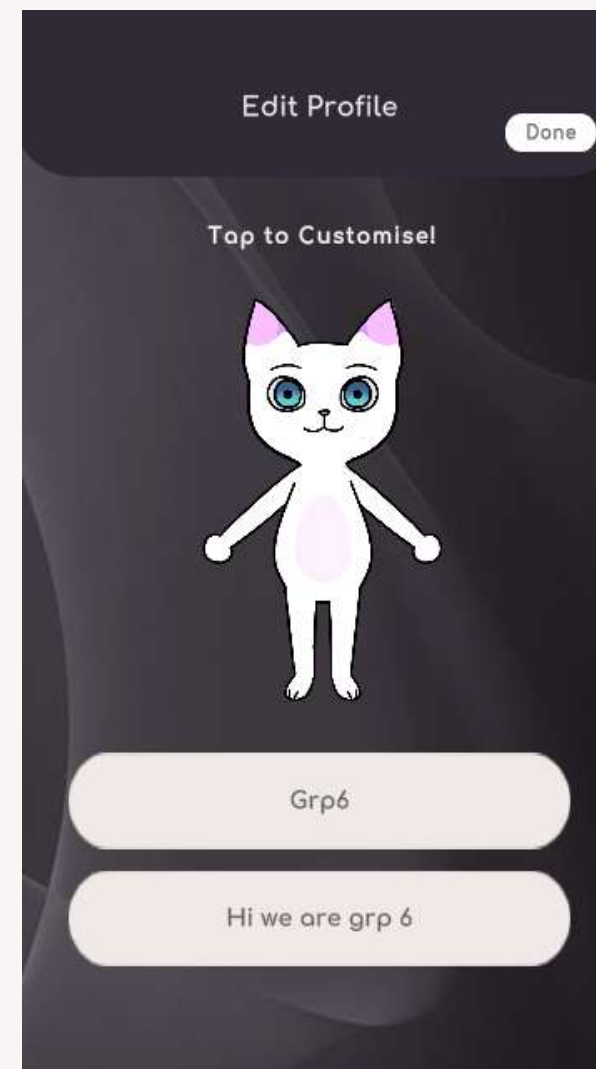
Theme/Concept

- Avatars as cute cartoon animals
- Provides more options for customisation and self-expression

UI DAY MODE



UI NIGHT MODE



FUNCTIONS OF ARvatar

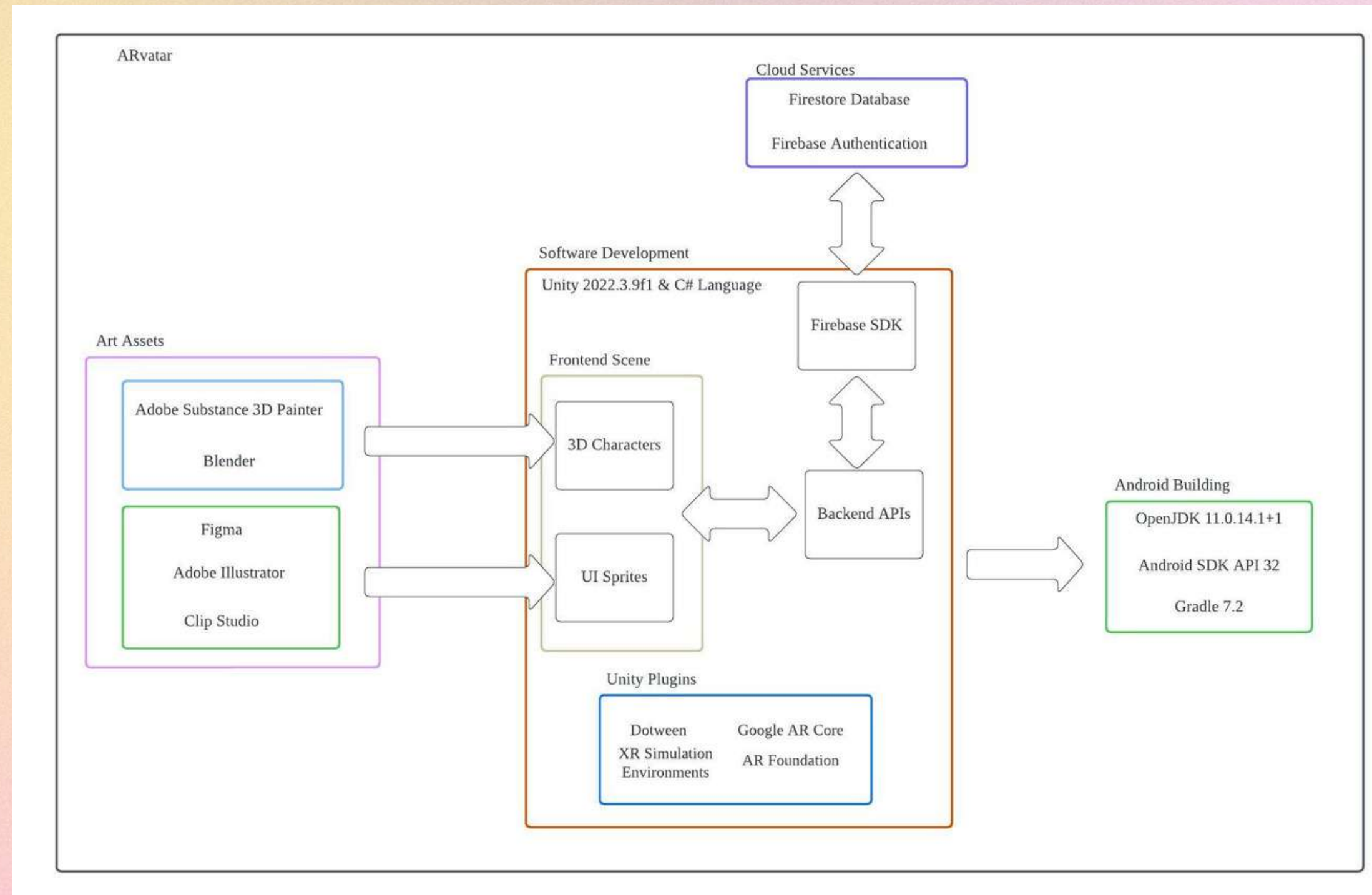
Base Chat Application

- Authentication
- Messaging with friends
- Create new chat
- Friend request management
- User profile editing
- Dark mode/Light mode
- UI Transitions
- Input validations

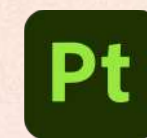
Special Feature

- Unique customizable 3D Avatars
- AR Chat Function with Avatars
- Avatar Customisation
- Avatar Animated Emotes

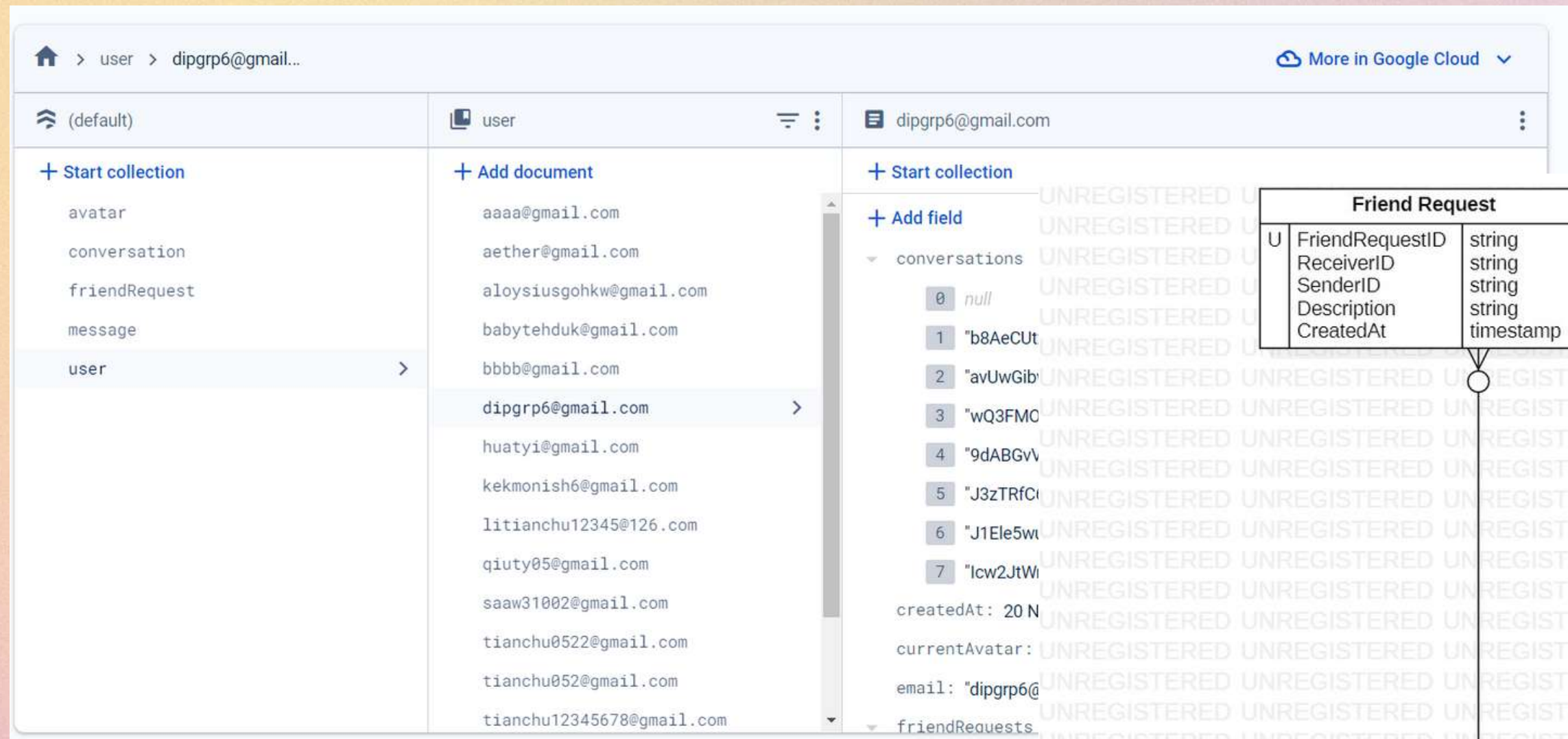
IMPLEMENTATIONS



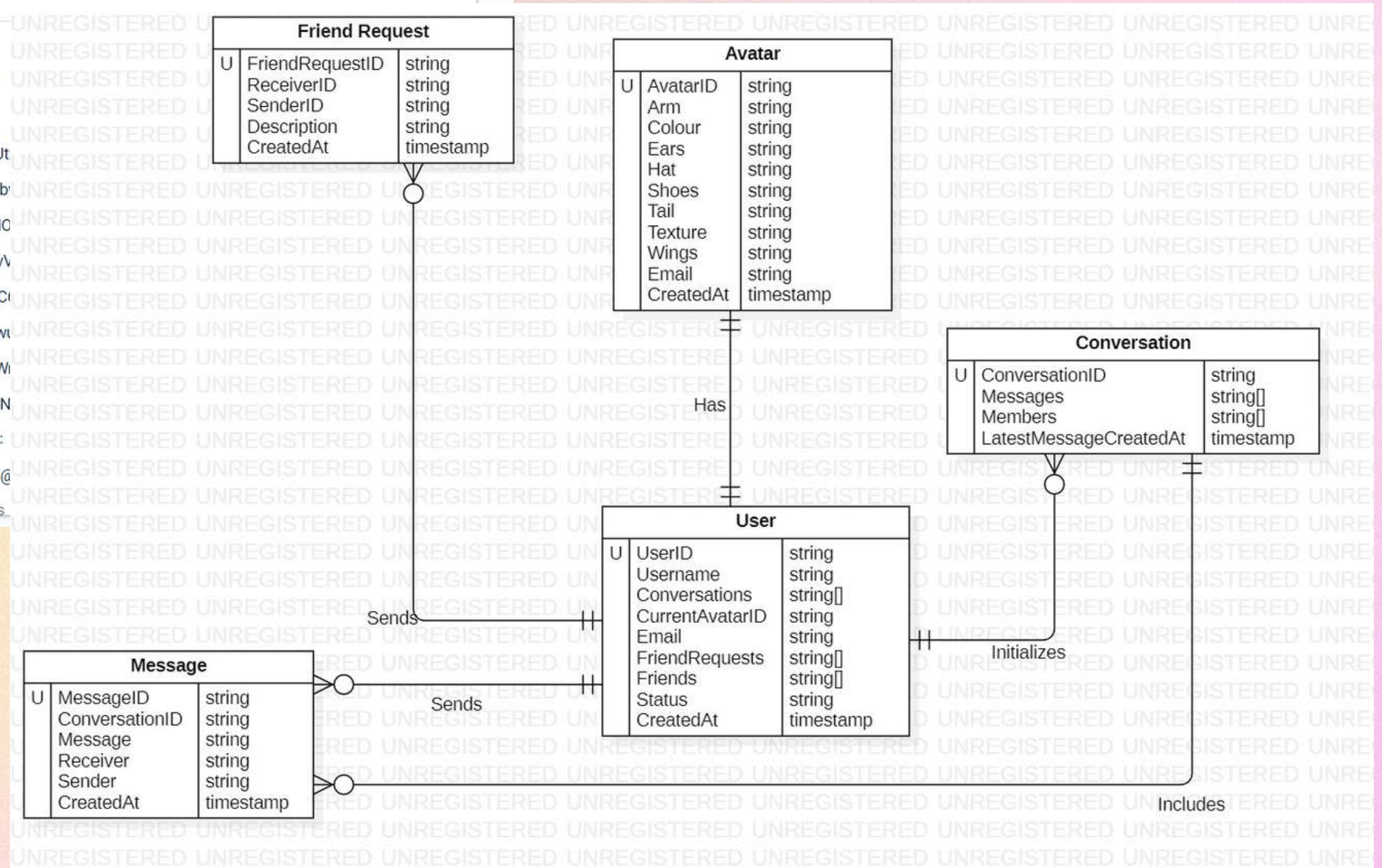
Architecture Diagram



DATABASE

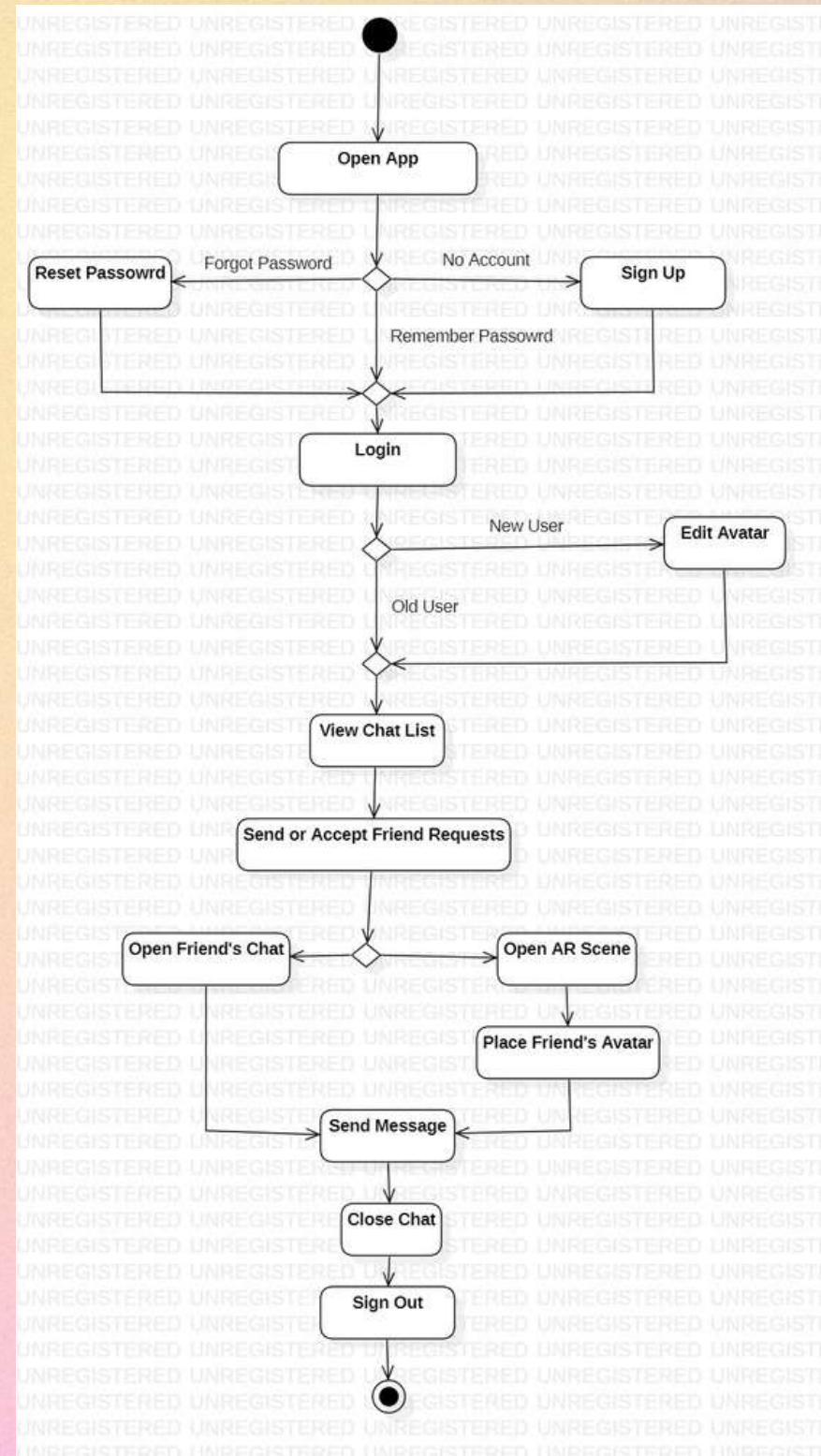


Clour Firestore from Firebase



ER Diagram

ACTIVITY & USECASE



Activity Diagram



Usecase Diagram

DEMO

Backup :<https://youtu.be/XBwcHCsoWGo>

THANK YOU