SLT Mobitel
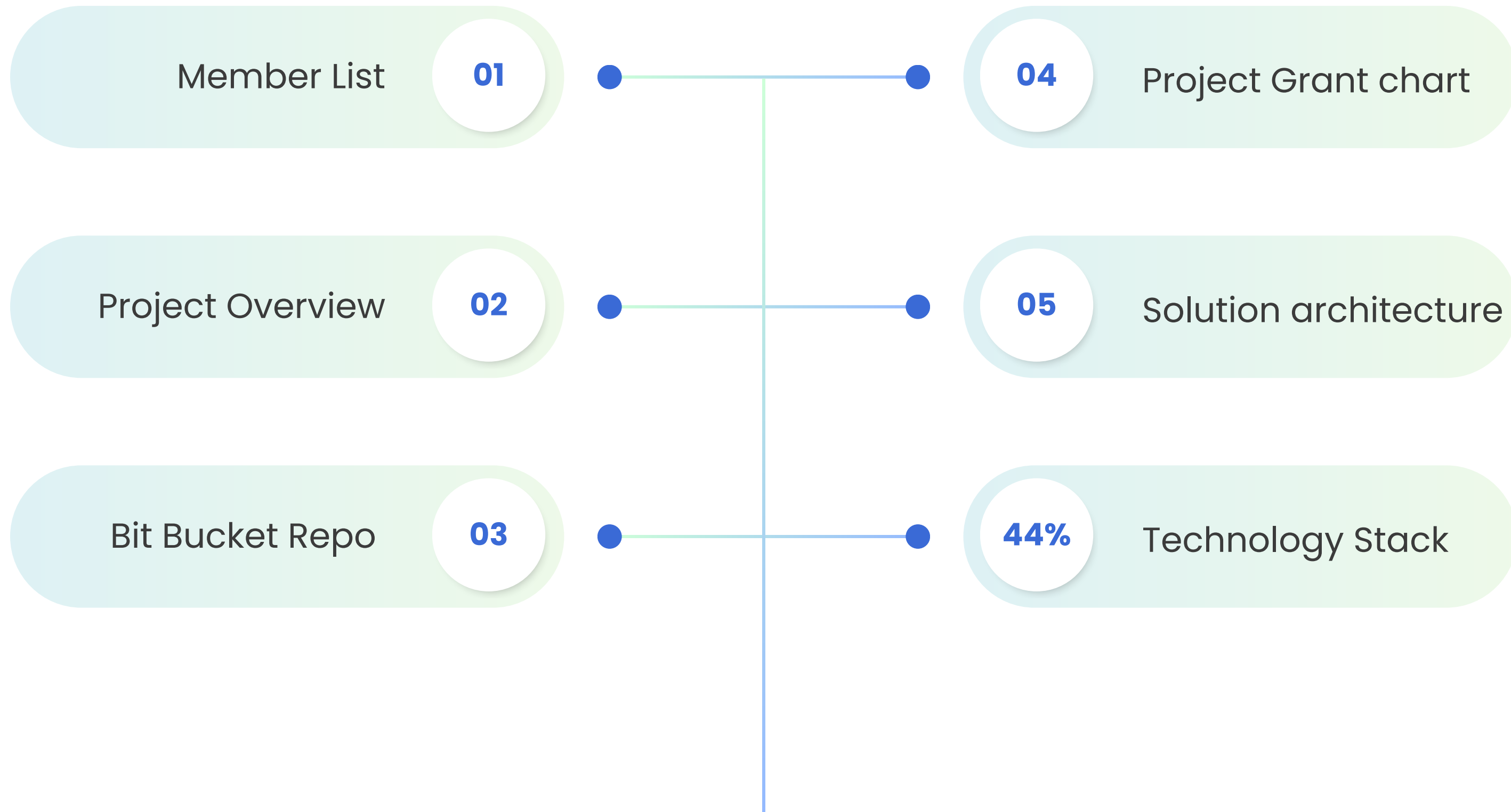
CHAT HUB

Smart messaging app that lets you talk,
connect, and get help — all in one smooth,
real-time experience.

Agenda

Member List **01**	**04** Project Grant chart
Project Overview **02**	**05** Solution architecture
Bit Bucket Repo **03**	**44%** Technology Stack

Member List

Trainee Name	Role	Trainee ID	Start Date	Training End Date
G.S.H.Gamage	Software Intern	2582	Feb 2, 2025	Aug 2, 2025
W.P.S.W.Pathirana	Software Intern	2628	Mar 3, 2025	Sep 3, 2025
D J A M O Nayanaransi	Software Intern	2706	Mar 25, 2025	Sep 25, 2025
I M R S Wijenayaka	DevOps Trainee	2293	Aug 1, 2024	Jun 30, 2025

Project Overview

Chat Hub is a modern communication platform designed to streamline personal and group interactions in one unified environment.

It enables users to engage in seamless real-time conversations, form meaningful connections through intelligent contact suggestions, and access an integrated virtual assistant for everyday help.

Features like offline message support and dynamic contact management, Chat Hub enhances connectivity regardless of internet conditions.

SLTMOBITEL
The Connection

Welcome To SLT ChatHub

Read Our Privacy Policy, Tap "Agree and Continue" to accept the Terms of Service

Agree and Continue

🌐 English

Key Features

One-to-one chat

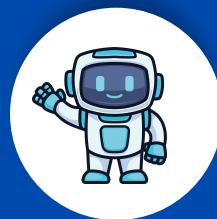Private conversations with real-time messaging (text, voice) and media sharing

Group messaging

Create and chat in groups with message sync, media sharing, and typing indicators.

Connection requests

Discover new contacts with smart suggestions and send/receive friend requests.

AI assistant

Built-in assistant to answer queries, help with tasks, and enhance chat experience

Bit Bucket Repo Details

Branch ⌄	Behind ⌄	Ahead ⌄	Updated ⌄	Pull request	Builds	Actions
main **MAIN** **DEVELOPMENT**			SG 2025-04-06			⋯
Voice_Message2	0	38	👤 1 minute ago	Create		⋯
Feature_offline	0	28	SG 5 days ago	Create		⋯
Feature_Voice_Message	0	15	👤 5 days ago	Create		⋯
Voice_Message	0	26	👤 2025-05-07	Create		⋯
Video_Call_Feature_2	0	17	SG 2025-04-30	Create		⋯
Offline_Feature	0	14	👤 2025-04-25	Create		⋯
Group_Testing	0	14	SG 2025-04-24	Create		⋯
Feature_Recording	0	13	SG 2025-04-22	Create		⋯
Feature_Video_Call	0	13	SG 2025-04-22	Create		⋯
Image_Feature	0	11	SW 2025-04-22	Create		⋯
Development	0	11	SG 2025-04-20	Create		⋯
Feature_One_One	0	8	SG 2025-04-20	Create		⋯
Feature_Group	2	3	👤 2025-04-08	Create		⋯

Sidebar: Slt_Chat_Hub · Source · Commits · Branches · Pull requests · Pipelines · Deployments · Jira issues · Security · Downloads · Repository settings

Rep Link : **https://bitbucket.org/sethia_123/slt_chat_hub/src/main**

Project Grant Chart

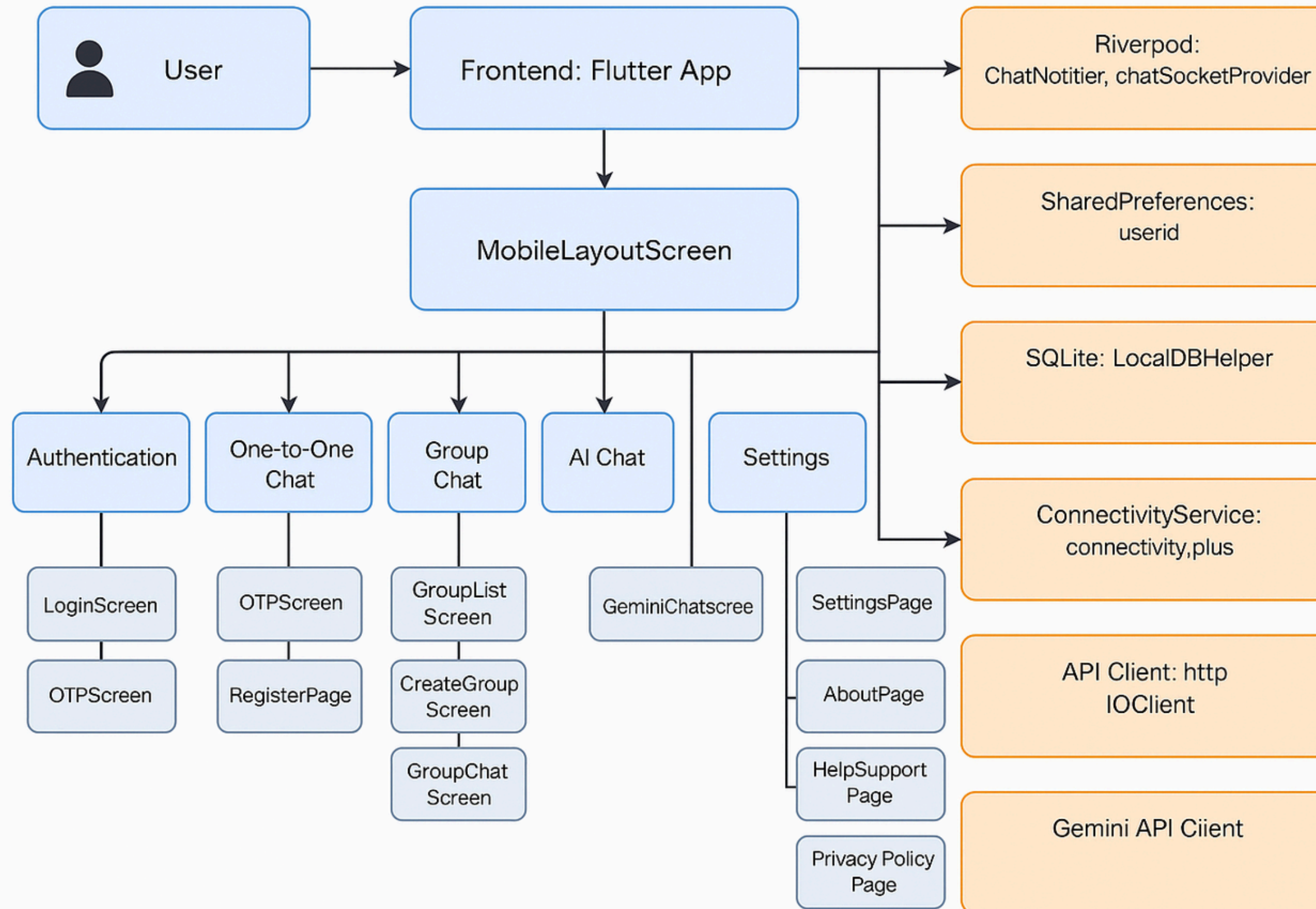| Task	Start Date	End Date	Duration	March	April	May
Project Planning	Mar 11, 2025	Mar 17, 2025	1 week			
Requirement Analysis	Mar 18, 2025	Mar 24, 2025	1 weeks			
Design Phase	Mar 25, 2025	Apr 21, 2025	4 weeks			
Development	Apr 8, 2025	May 6, 2025	4 weeks			
Testing & Deployment	May 7, 2025	May 21, 2025	2 weeks			

Planned duration

Actual Duration

Solution Architecture
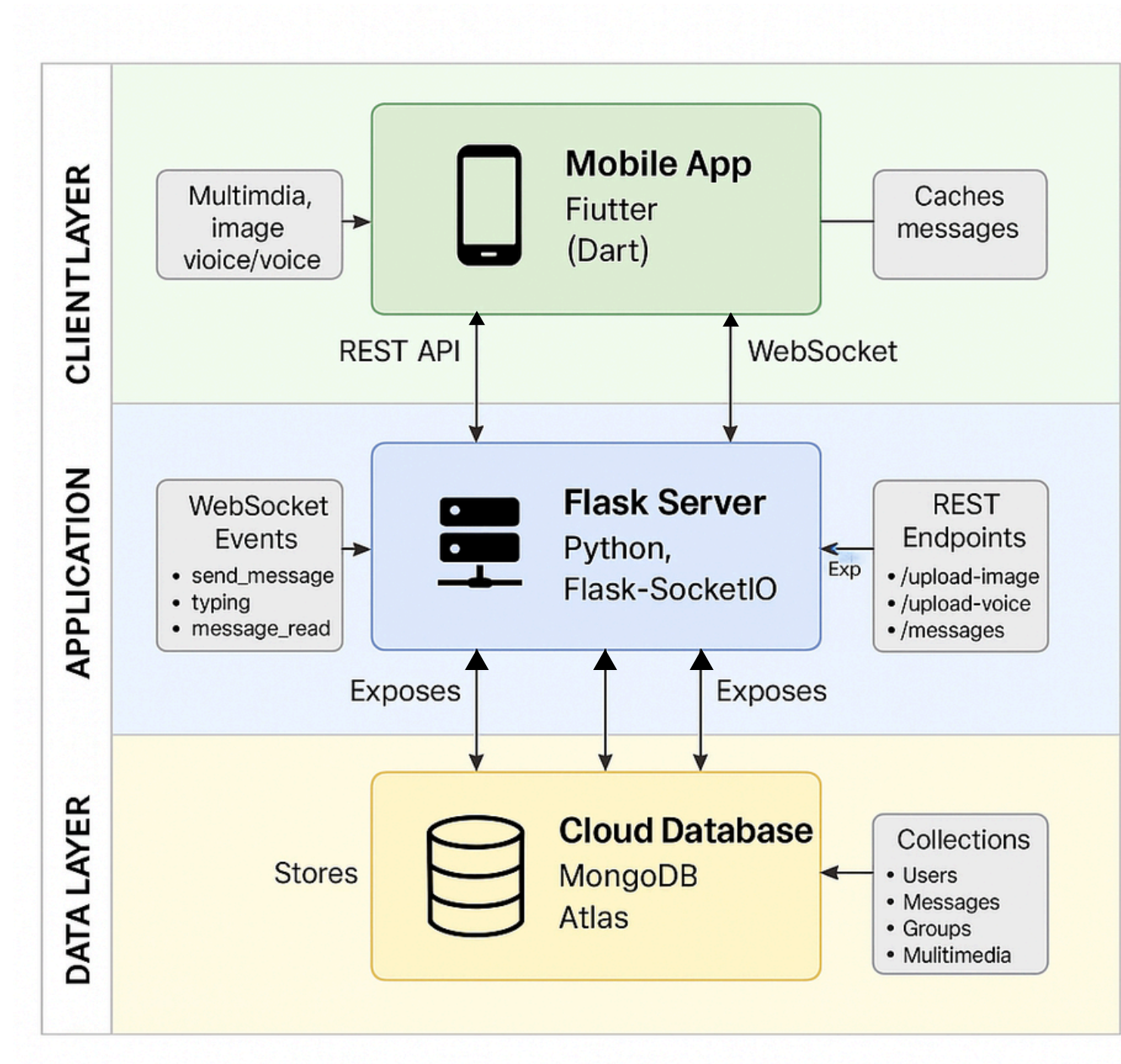
Solution Architecture

Technology Stack

Layer	Technologies Used
Frontend	Flutter (Dart)
Backend	Python Flask
API Layer	WebSockets (Socket.IO) , REST(Flask)
Database	MongoDB, SQLite (LocalDBHelper)
Authentication	JWT (Json web tokens), OTP-based authentication
Cloud / Hosting	Localhost for now
Version Control	Bitbucket
External Services	Google Gemini API
Development Tools	VS Code, Android Emulator, Flutter SDK

Thank You