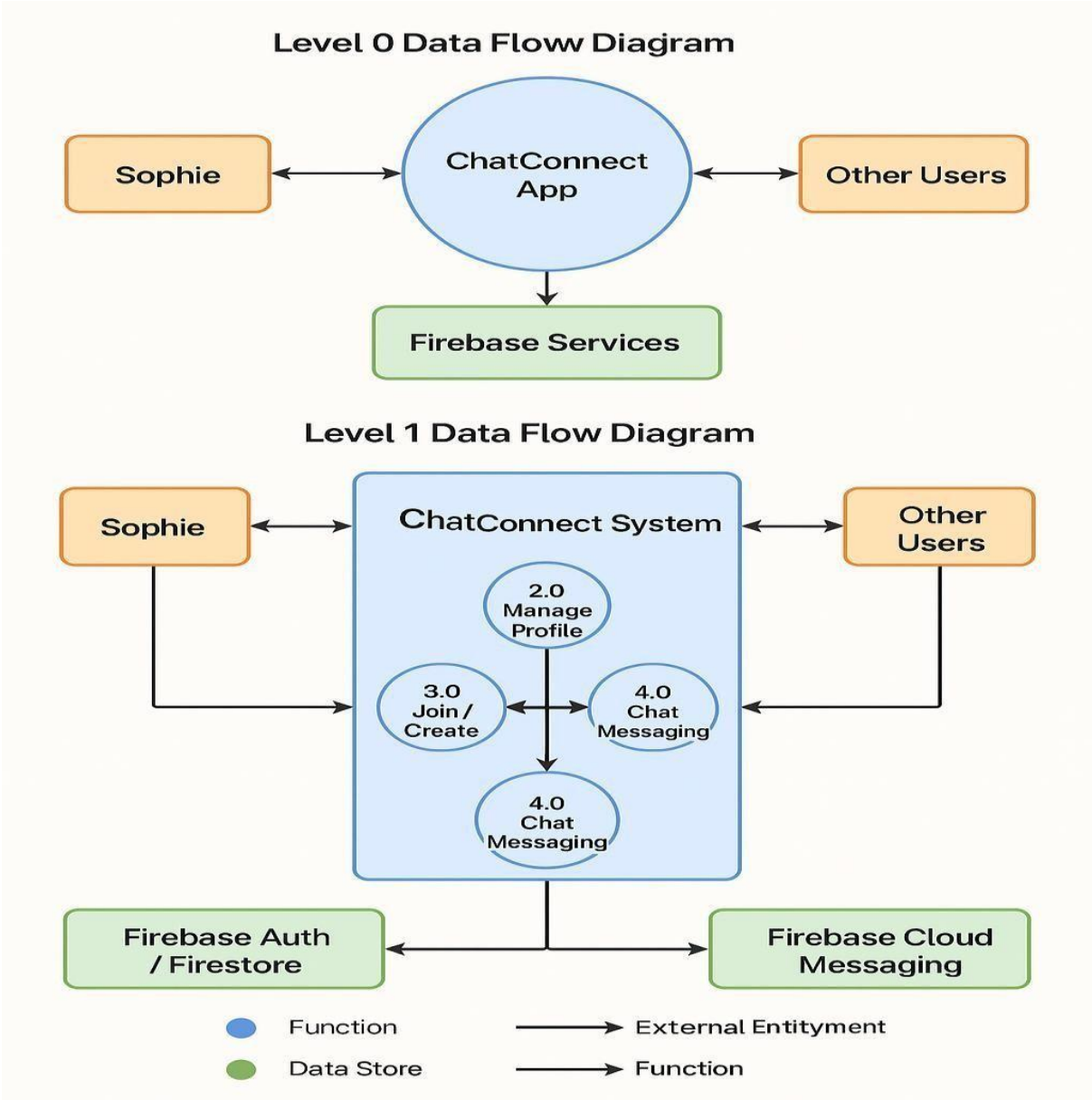


Project Design Phase-II

Data Flow Diagram And User Stories

Data Flow Diagram:



User Stories:

User Type	Functional Requirement (Epic)	DFD Process Number	User Process / Task	Data Flow / Storage	Priority	Release
Sophie (End User)	Manage Profile	2.0	Manage profile details (name, email, picture, etc.)	Firebase Auth / Firestore	High	Sprint1
Sophie (End User)	Join or Create Chat Rooms	3.0	Browse, join, or create new chat rooms.	Firebase Auth / Firestore.	High	Sprint2
Sophie (End User)	Real-Time Chat Messaging	4.0	Send/receive messages, multimedia, emojis	Firebase Cloud Messaging, Firestore.	High	Sprint3
Other Users	Messaging & Collaboration	4.0	Participate in real-time conversations.	Firebase Cloud Messaging, Firestore.	High	Sprint4
Firebase Services	Authentication & Data Storage	-	Store and sync messages, handle auth & notifications.	Firebase Auth / Firestore , Firebase Cloud Messaging	Core Service	Sprint5