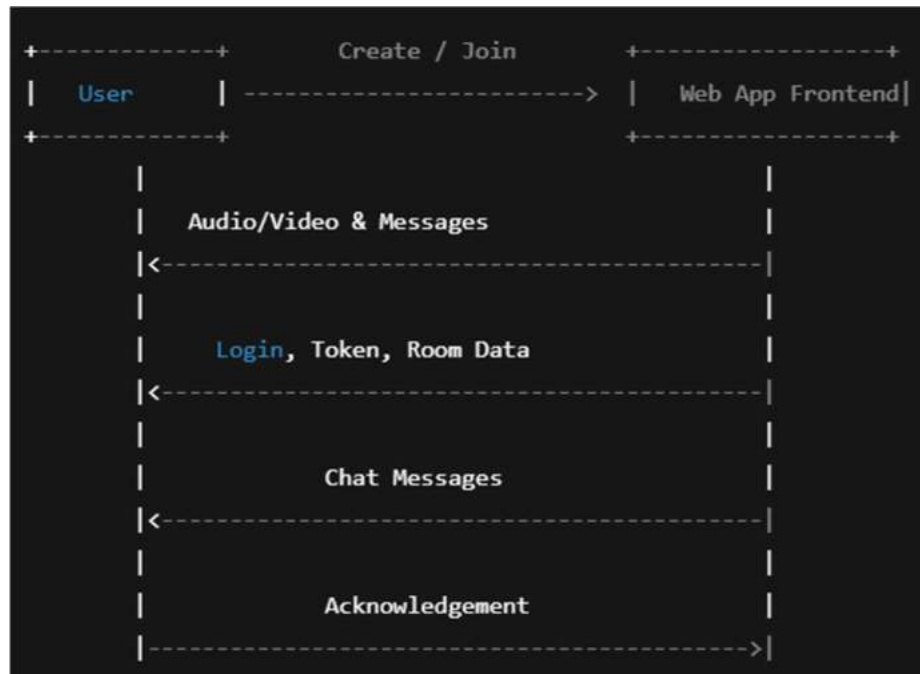


Data Flow Diagram (DFD) – *Video Conferencing Web App*

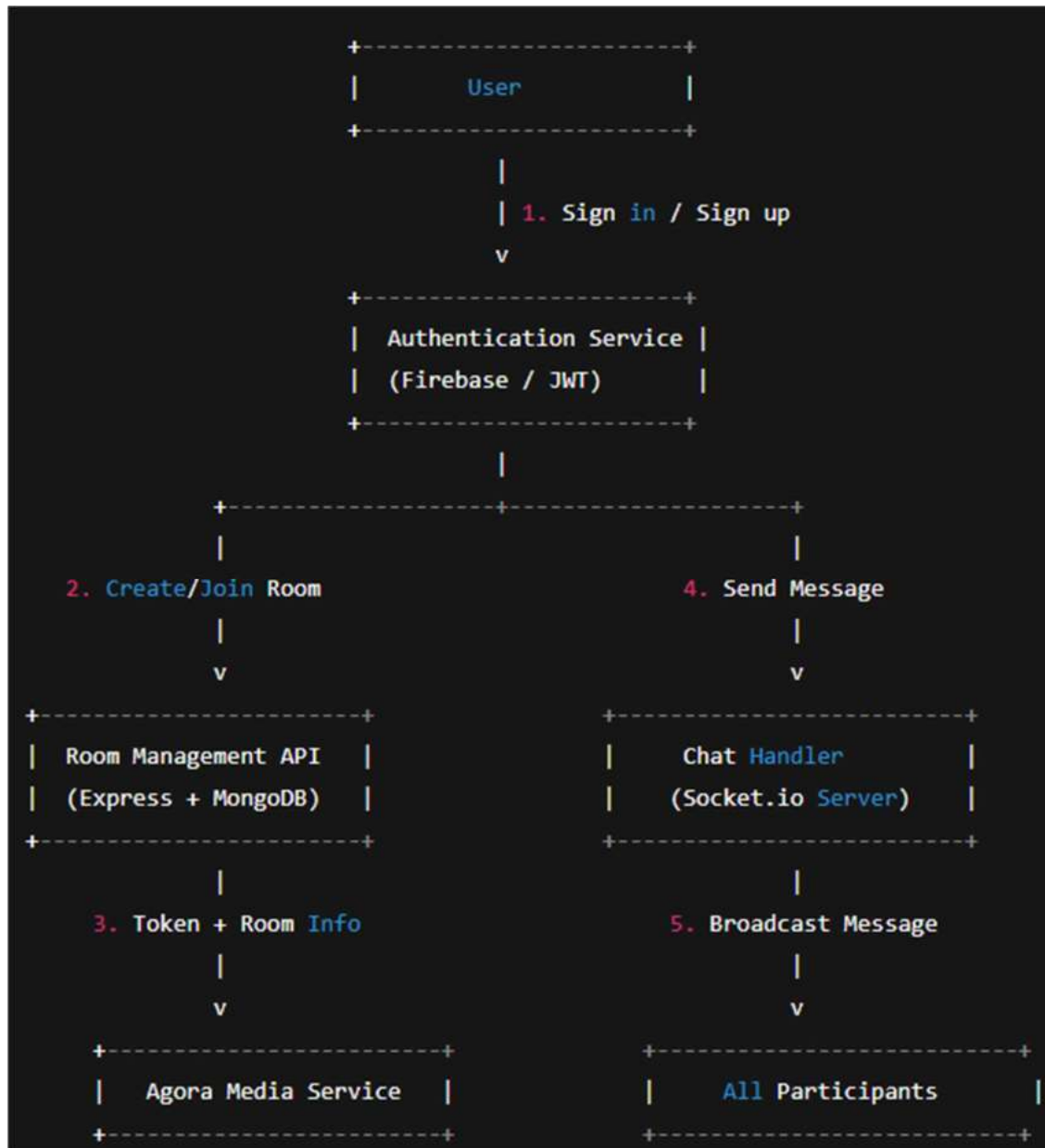
◆ Level 0 DFD – Context-Level Diagram

This shows the overall interaction between external entities (users) and the system.



◆ Level 1 DFD – Internal System Flow

This diagram breaks the system into its main functional components.



◆ DFD Description

Component	Function
User	Sends requests to create/join a video room, chat, or share screen.
Authentication	Validates users using JWT/Firebase before room access.
Room Management API	Creates a room ID and stores meeting/session data in MongoDB.
Agora Media Service	Handles real-time video/audio communication between users.
Socket.io Chat Server	Manages real-time chat by broadcasting messages to all connected users.