Team_18

ARCHITECTURAL DIAGRAM

FRONTEND

UI Layer		React UI
State Management		Redux-Toolkit
Real-Time Messaging		Socket.io Client
API Layer		API Calls to Backend

BACKEND

Server Layer		Handles API requests & authentication
WebSocket Layer		Handles WebSocket connections for real-time messaging
Database Layer		MongoDB Stores users, messages, chat rooms
API Routes		Defines routes for user login, message fetching
JWT Authentica-tion		For login & security

DEPLOYMENT

- Frontend
- Backend
- Database

DATABASE

MongoDB - Database Layer