Project Design Phase
Solution Architecture

Date	12 February 2025
Team ID	LTVIP2026TMIDS80676
Project Name	FreelanceFinder: Discovering Opportunities, Unlocking Potential
Maximum Marks	4 Marks

Solution Architecture:

The FreelanceFinder platform follows a 3-tier web architecture that connects business requirements with technology solutions. The system is designed to provide a centralized freelancing environment where freelancers, clients, and administrators interact through secure web interfaces.

- **Frontend (Presentation Layer):**
  Built using React.js, HTML, CSS, and JavaScript. Provides role-based dashboards for freelancers, clients, and administrators to register, post projects, submit proposals, and track work.
- **Backend (Application Layer):**
  Developed with Node.js and Express.js. Handles authentication, project management, proposal processing, communication, and work submission through REST APIs.
- **Database (Data Layer):**
  Uses MongoDB to store user profiles, project details, proposals, and submission data securely.
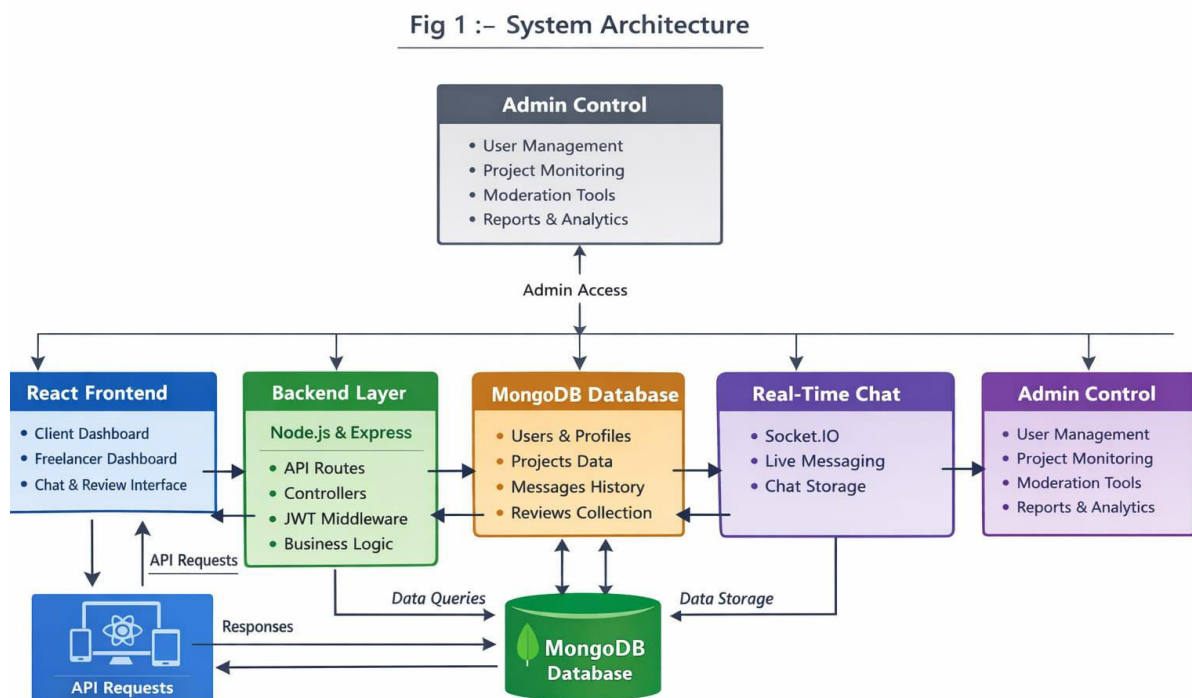
Solution Architecture Diagram:

Figure 1: Architecture and data flow of the FreelancingFinder portal