

Project Design Phase-II

Technology Stack (Architecture & Stack)

Date	19 February 2026
Team ID	LTVIP2026TMIDS24279
Project Name	FreelanceFinder: Discovering Opportunities, Unlocking Potential
Maximum Marks	4 Marks

Technical Architecture:

The Freelance Finder platform is designed with a scalable 3-tier architecture that includes the presentation layer (frontend), business logic (backend), and data storage layer. The solution ensures performance, security, and ease of integration with third-party APIs (e.g., Stripe for payments).

3-Tier Architecture

- **Frontend (Presentation Layer):** React.js
- **Backend (Logic Layer):** Node.js + Express.js
- **Database (Data Layer):** MongoDB

S.N o	Component	Description	Technology
1.	User Interface	Web-based interface for clients and freelancers	HTML, CSS, JavaScript / React.js
2.	Application Logic	Projects, Bids, Chat	Node.js, Express.js
3.	Admin Panel	User verification, Dispute handling	React.js
4.	Database	Users, Projects, Bids, Chats	MongoDB
5.	Authentication	Secure Login	JWT, bcrypt
6.	File Storage	Work submissions	Multer / Cloud

Table-1 : Components & Technologies:

Table-2: Application Characteristics:

S.N o	Characteristics	Description	Technology
7.	Open-Source Frameworks	Frontend & Backend	React.js, Node.js
8.	Scalable Architecture	Restful MVC structure	Node

S.N o	Characteristics	Description	Technology
9.	UI Framework	Responsive Design	Bootstrap / Tailwind
10	Deployment	Cloud Scalable	Render / Vercel / AWS