Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	20 June 2025
Team ID	LTVIP2025TMID55793
Project Name	FreelanceFinder: Discovering Opportunities, Unlocking Potential
Maximum Marks	4 Marks

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2

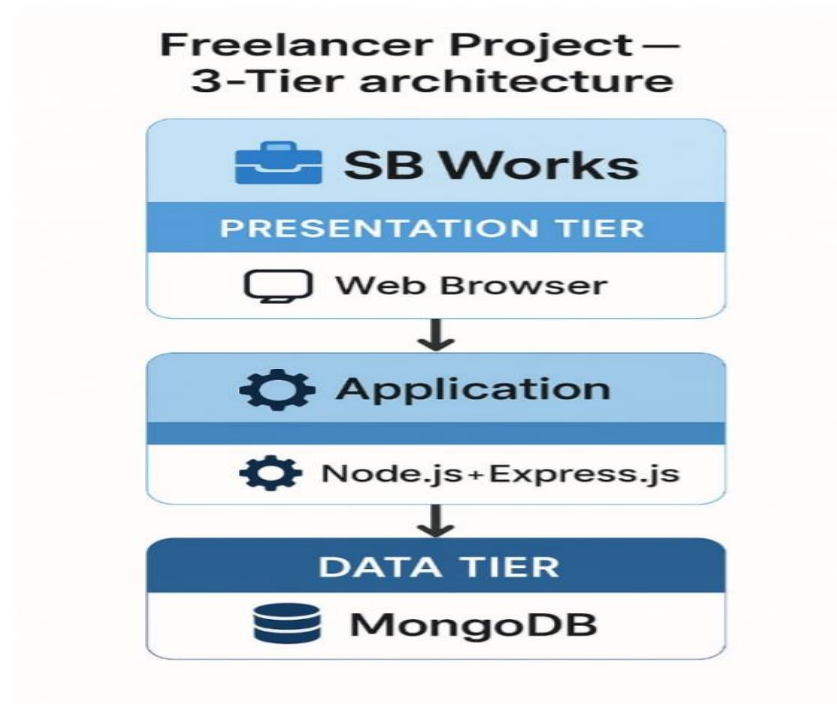**Example: Freelancer finder is built using a 3-tier architecture**

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1	User Interface	Web UI for users.	HTML, CSS, JavaScript, React.js
2	Application Logic-1	Manages backend logic	Node.js, Express.js
3	Application Logic-2	Frontend-backend communication.	Express.js Controllers
4	Application Logic-3	filtering system	Express.js Controllers
5	Database	Stores all platform data	MongoDB
6	Cloud Database	Stores user/project content.	MongoDB Atlas
7	File Storage	Overall system model	Multer, Cloudinary / Local FS
8	External API-1	For notifications.	Cloudinary API
9	External API-2	Not used.	—
10	Machine Learning Model	Not used	—
11	Infrastructure	Cloud/Local Deployment	Local Server (Node), MongoDB Atlas (Cloud)

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1	Open-Source Frameworks	Open-source tools used in development	React.js, Node.js, Express.js, MongoDB
2	Security Implementations	Access control, token-based auth	JWT, Bcrypt.js, Helmet.js, CORS
3	Scalable Architecture	3-tier scalable design with modular services	MERN Stack
4	Availability	Hosted backend, database in cloud (MongoDB Atlas), supports 24/7 uptime	Cloud-hosted MongoDB Atlas, Node Server
5	Performance	Optimized queries, component-based frontend, fast API responses	React Virtual DOM, REST API, MongoDB Indexes