

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

Date	26-06-2025
Team ID	
Project Name	Free Lancing Project
Maximum Marks	4 Marks

**Technical Architecture:**

The SB Works platform is built with a scalable client-server architecture, comprising the user interface (frontend), application logic (backend), and data management layer. This design ensures performance, security, and seamless integration with external services (e.g., payment gateways and notification systems).

**Table-1 : Components & Technologies:**

S.No	Component	Description	Technology
1.	User Interface	Interactive web interface for clients, freelancers, and admins	HTML, CSS, JavaScript / React Js etc.
2.	Application Logic-1	Project bidding, submission, and collaboration features	Node.js, Express.js
3.	Application Logic-2	Admin dashboard, project monitoring, and user notifications	React js, Node js
4.	Database	Stores user profiles, projects, applications and chat history	MongoDB

**Table-2: Application Characteristics:**

S.No	Characteristics	Description	Technology
5.	Open-Source Frameworks	Frontend and styling frameworks	React.js, Material UI, Bootstrap
6.	Scalable Architecture	3Client-server model with RESTful APIs	Microservices

**References:**

[React.js Documentation](#)

[Node js Best Practice](#)

[JSON Web Server Referance](#)

<https://www.smashingmagazine.com/2021/11/architecture-diagrams-visualizing-system/>