Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	26-05-2025
Team ID	SWUID20240000985
Project Name	Freelancing (SB Works)
Maximum Marks	4 Marks

Functional Requirements

FR No.	Functional Requirement (Epic)	Sub Requirement (User Story / Feature)
FR-1	**User Authentication**	Sign Up, Login, Password Reset
		OAuth login with Google (future scope)
FR-2	**Project Posting & Browsing**	Clients can post new freelance jobs
		Freelancers can browse and search posted jobs
FR-3	**Job Application Management**	Freelancers can apply to jobs
		Clients can view and shortlist applications
FR-4	**Messaging System**	Real-time messaging between freelancers and clients using Socket.io
FR-5	**Dashboard Interfaces**	Separate dashboards for freelancers and clients with role-based content
FR-6	**Admin Control**	Admin can manage reported users and moderate disputes (initial setup only)

Non-functional Requirements

NFR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Interface must be clean, intuitive, and mobile-friendly using React & Bootstrap
NFR-2	**Security**	Implement JWT token-based authentication, hashed passwords, and role control
NFR-3	**Reliability**	Messaging, job posting, and login must remain stable during all user loads
NFR-4	**Performance**	App load time < 2s; job actions and chat should feel near-instant

NFR No.	Non-Functional Requirement	Description
NFR-5	**Availability**	System should maintain at least 99.9% uptime (based on server/cloud support)
NFR-6	**Scalability**	Modular MERN architecture should allow scaling into microservices when needed