

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

Date	25 June 2025
Team ID	LTVIP2025TMID52981
Project Name	Onderonthego
Mentor Name	Dr Shaik Salma Begam
Maximum Marks	4 Marks

**Technical Architecture:**

SB foods is designed with a scalable 3-tier architecture consisting of:

Presentation Layer (Frontend): User-friendly interface for patients and healthcare providers to book and manage appointments.

Business Logic Layer (Backend): Handles appointment scheduling, notifications, user management, and telehealth integration.

Data Storage Layer: Secure storage of user profiles, appointment records, and healthcare provider details.

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

sno	Component	Description	Technology
1.	User Interface	Web and mobile-friendly interface for patients and providers	HTML, CSS, JavaScript / React Js etc.

2.	Application Logic-1	Appointment booking, calendar management, reminders	Node.js, Express.js
3.	Application Logic-2	Admin panel, provider management, reporting	React js, Node js
4.	Database	Stores user profiles, appointments, provider datas	MongoDB

**Table-2: Application Characteristics:**

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Frontend frameworks	React.js, Node.js, BootStrap, Tailwind CSS
2.	Scalable Architecture	3-tier architecture with RESTful APIs	Microservices
3.	Open-Source Frameworks	Frontend frameworks	React.js, Node.js, BootStrap, Tailwind CSS
4.	Scalable Architecture	3-tier architecture with RESTful APIs	Microservices

### References:

[React.js Documentation](#)

[Node js Best Practice](#)

[JSON Web Server Referance](#)

<https://medium.com/the-internal-startup/how-to-draw-useful-technical-architecture- diagrams-2d20c9fda90d>

