

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

Date	26-05-2025
Team ID	LTVIP2025TMID59352
Project Name	ShopSmart:Your digital grocery store experience
Maximum Marks	4 Marks

**Technical Architecture:**

The Resolve Now 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).

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

S.No	Component	Description	Technology
1.	User Interface	Web-based interface for clients and freelancers	HTML, CSS, JavaScript / React Js etc.
2.	Application Logic-1	Product browsing, cart, and checkout handling	Node.js, Express.js
3.	Application Logic-2		React js, Node js

S.No	Component	Description	Technology
1.	User Interface	Web-based interface for clients and freelancers	HTML, CSS, JavaScript / React Js etc.
		Admin and Seller dashboards for managing users and products	
4.	Database	Stores users, products, orders, inventory	MongoDB

**Table-2: Application Characteristics:**

S.No	Characteristics	Description	Technology
5.	Open-Source Frameworks	Frontend and backend frameworks for faster development	React.js, Node.js, BootStrap, Tailwind CSS
6.	Scalable Architecture	3-tier architecture with RESTful APIs	Microservices

**References:**

[React.js Documentation](#)

[Node js Best Practice](#)

[JSON Web Server Reference](#)

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

