**Project Design Phase-II**

**Technology Stack (Architecture & Stack)**

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| Date | 18-06-2025 |
| Team ID | LTVIP2025TMID53265 |
| Project Name | OrderOnTheGo |
| Maximum Marks | 2 Marks |

**Technical Architecture:**

The Order on the Go platform is designed with a robust and scalable 3-tier architecture consisting of the presentation layer (frontend), business logic layer (backend), and data storage layer. The solution is optimized for performance, security, and seamless integration with third-party APIs (e.g., payment gateways).

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

1. User Interface

Description: Mobile and web-based interface for customers

Technology: HTML, CSS, JavaScript, React.js

1. Application Logic-1

Description: Order placement, tracking, user dashboard

Technology: Node.js, Express.js

1. Application Logic-2

Description: Admin panel, order management, notifications

Technology: React.js, Node.js

1. Database

Description: Stores user data, orders, and payments

Technology: MongoDB

**Table-2 : Application Characteristics:**

1. Open-Source Frameworks

Description: Frontend frameworks

Technology: React.js, Node.js, Bootstrap, Tailwind CSS

1. Scalable Architecture

Description: 3-tier architecture with RESTful APIs

Technology: Microservices

**References:**

React.js Documentation - https://react.dev/

Node.js Best Practices - https://nodejs.org/en/learn/getting-started/introduction-to-nodejs

JSON Web Server Reference - https://www.npmjs.com/package/json-server

Technical Architecture Diagrams -

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