

Project Design Phase-II

Technology Stack (Architecture & Stack)

Date	18 October 2023
Team ID	Team-591022
Project Name	Project - Snack Squad
Maximum Marks	4 Marks

Technical Architecture:

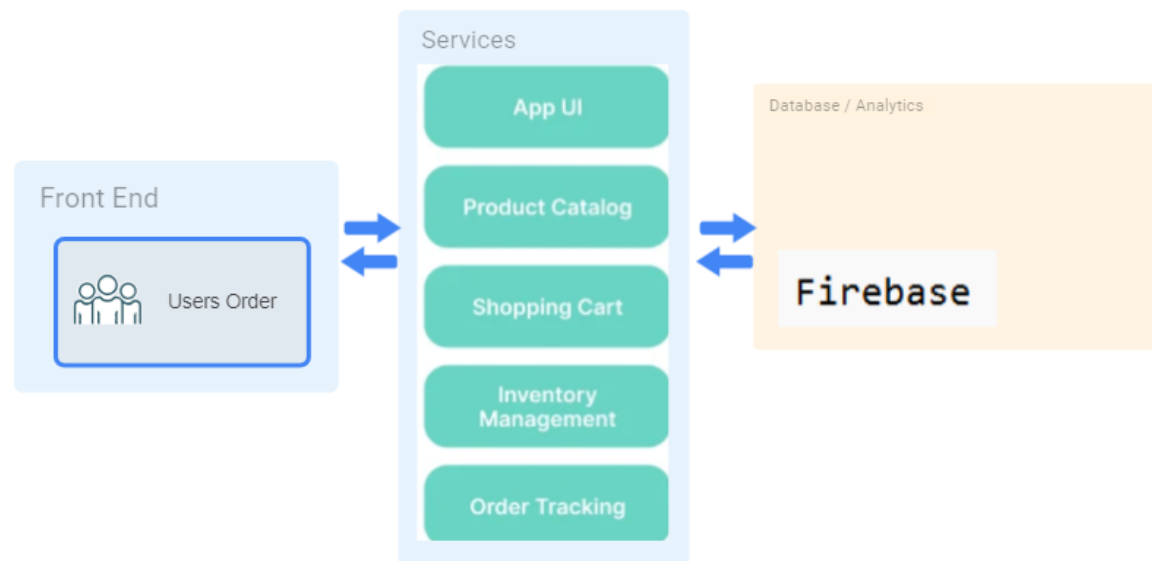


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	Client-Side (Mobile App)	The client-side is the mobile application that customers use to browse snacks, place orders, and track deliveries.	Java
2.	Server-Side	The server-side is responsible for processing customer orders, managing inventory, coordinating deliveries, and handling user authentication.	Java, Firebase
	Application Server	Contains business logic and communicates with the database.	Java, Firebase
	Authentication Service	Manages user registration, login, and authentication.	Java, Firebase
	Order Management	Processes orders, handles payments, and sends notifications to the customer.	Java, Firebase
	Delivery Management	Assigns delivery drivers.	Java, Firebase
3.	Database	The database stores information about snacks, users, orders, and delivery drivers.	Firebase

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Scalability	The ability to handle a large number of concurrent users and orders.	Firebase
2.	Reliability	The ability to be available and perform consistently even under high load or in the event of failures.	Firebase
3.	Performance	The ability to respond to user requests quickly and efficiently.	Firebase
4.	Security	The ability to protect user data and prevent unauthorized access.	Firebase