Requirement Gathering and Analysis Phase
Technology Stack (Architecture & Stack)

Date	05 -07-2024
Team ID	SWTID1720150432
Project Name	EagerEats - Food Ordering App
Maximum Marks	

Technical Architecture:

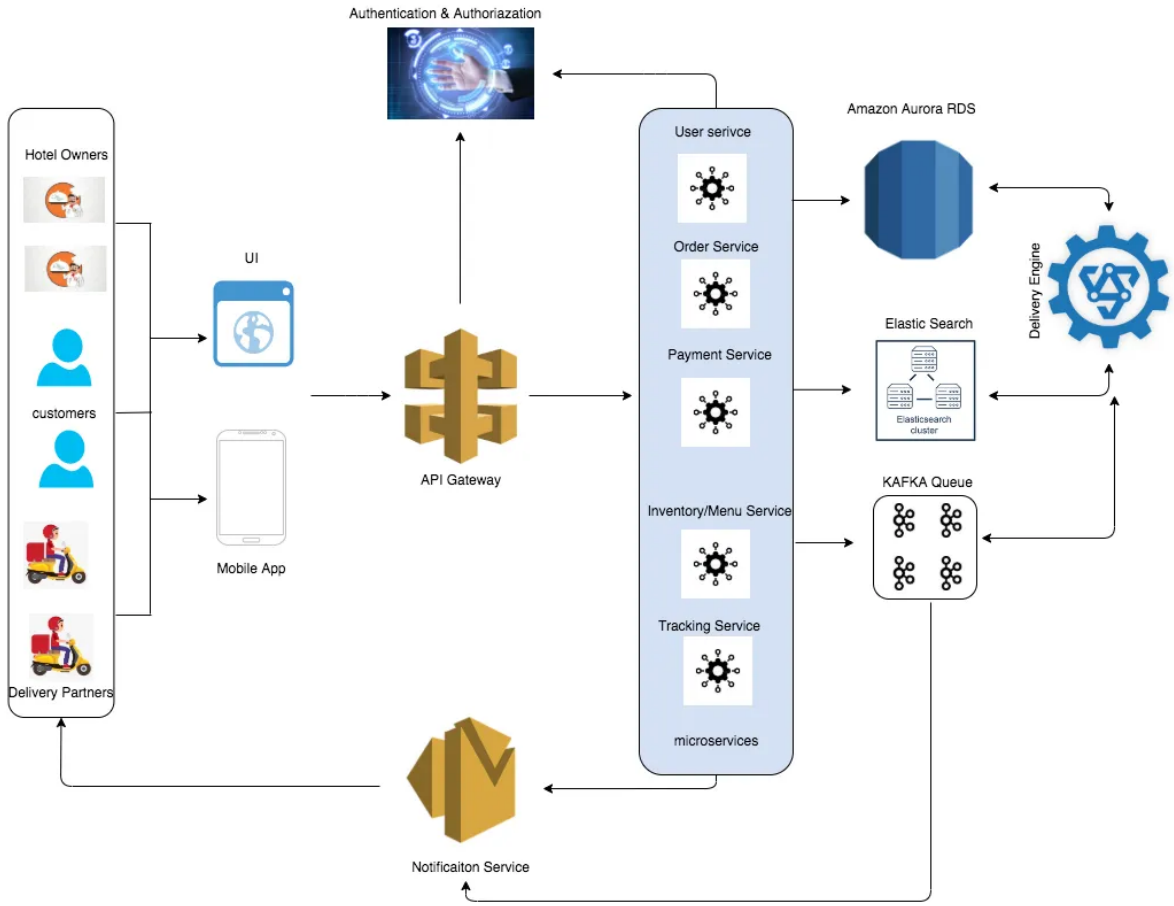

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1	User Interface	How user interacts with application e.g. Web UI Mobile App Chatbot etc.	React, HTML, CSS, JavaScript

2	Application Logic-1	Logic for user authentication	Node.js, Express.js
3	Application Logic-2	Logic for order processing	Node.js, Express.js
4	Application Logic-3	Logic for payment processing	Node.js, Express.js
5	Database	Data storage for users, orders, menus, etc.	MongoDB
6	Cloud Database	Database Service on Cloud	MongoDB Atlas
7	File Storage	Storage for user images and menu images	AWS S3
8	External API-1	API for geolocation and map services	Google Maps API
9	External API-2	API for sending notifications	Twilio API
10	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud	Local Server Configuration: AWS EC2, Cloud Server Configuration: Kubernetes, Docker

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1	Open-Source Frameworks	List the open-source frameworks used	React.js, Node.js (Express.js), MongoDB
2	Security Implementations	List all the security / access controls implemented (e.g. JWT authentication, data encryption)	JWT authentication, MongoDB security features
3	Scalable Architecture	Justify the scalability of architecture (RESTful API)	Node.js (Express.js) with scalable architecture
4	Availability	Justify the availability of application (e.g. load balancers)	Load balancers in cloud platforms
5	Performance	Design consideration for the performance of the application (e.g. caching)	Caching mechanisms in React.js and MongoDB