Project Design Phase-II

Technology Stack (Architecture & Stack)

Project Name	DemandEst_ AI Powered Food Demand Forecasting.
Maximum Marks	4 Marks

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table

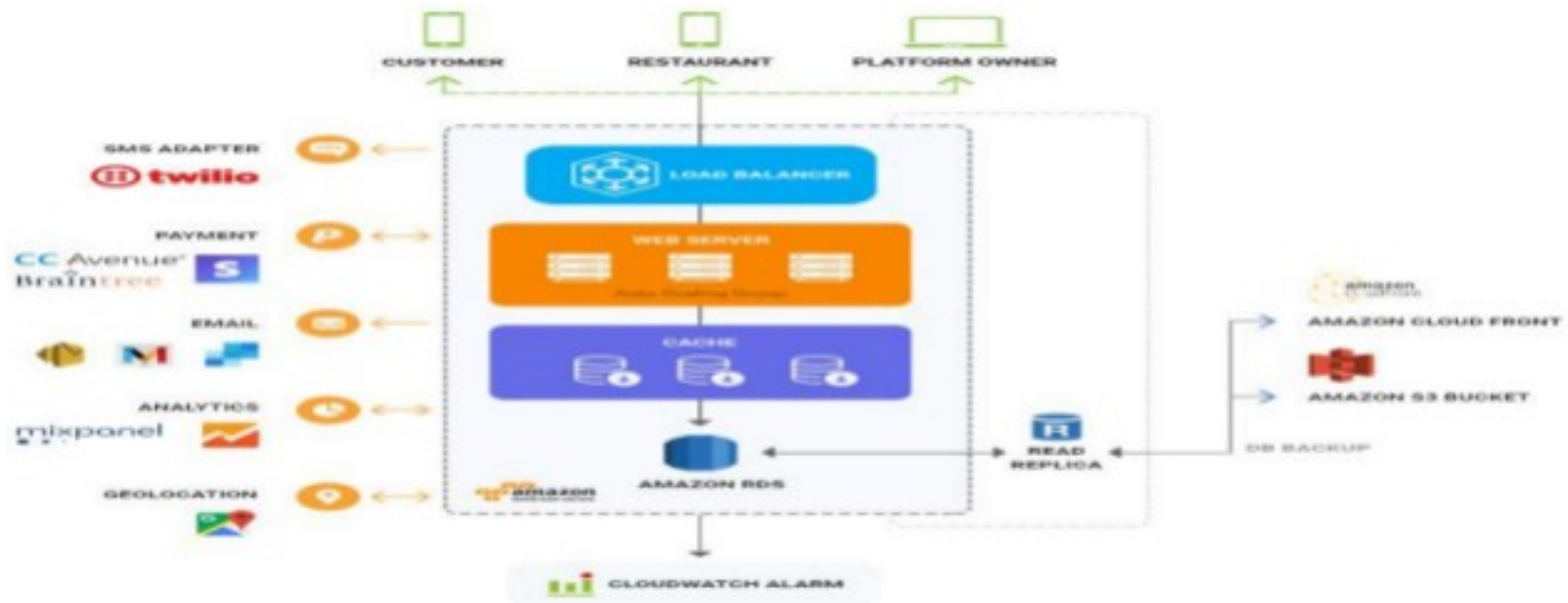2 **Example: Order processing during pandemics for offline mode**

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	Customer	By using Mobile App and Through online registration.	HTML, CSS, Javascript.
2.	Restaurant	It includes all the goods and services that the restaurant meals.	Online transactions
3.	Geolocation	Used to reach the destination.	Google map,user address.
4.	Platform owner	Wait for the delivery of food.	Mobile phones and online websites.

S.No	Component	Description	Technology
5.	Database Analytics	Data Type, Configurations etc.	MySQL, NoSQL, etc.
6.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
7.	File Storage	User information.	IBM Block Storage or OtherStorage Service or Local Filesystem
8.	Amazon s3 bucket	Storage with data availability.	HTTP interface .
9.	Cloudwatch alarm	Purpose of External API used in the application	Notification services.

Table-2: Application Characteristics:

S.No	Characteristics Description	Technology
1.	Open-Source Frameworks Google chrome, online websites	Technology of Open Sourceframework
2.	Security Implementations Authentications through OTP.	Through mobile phones.

3.	Scalable Architecture Based on quality. Based on taste.	Quality assurance Quality control.
4.	Availability Available through online	Online system

5. Performance Provide qualitative food Encourage customer loyalty.
Boost sales.
Testing shows preference for mistakes. Detecting the defect within a software.

Technical Diagram :