

Project Design Phase-II

Technology Stack (Architecture & Stack)

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| Date | 15 October 2022 |
| Team ID | PNT 2022TMD37970 |
| 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 table 1 & 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. |
| 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 Other Storage 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.N o | Characteristics Description | Technology |
|-------|---|-------------------------------------|
| 1. | Open-Source Frameworks Google chrome, online websites | Technology of Open Source framework |
| 2. | Security Implementations Authentications through OTP. | Through mobile phones. |

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|----|--|---------------------------------------|
| 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 :

