

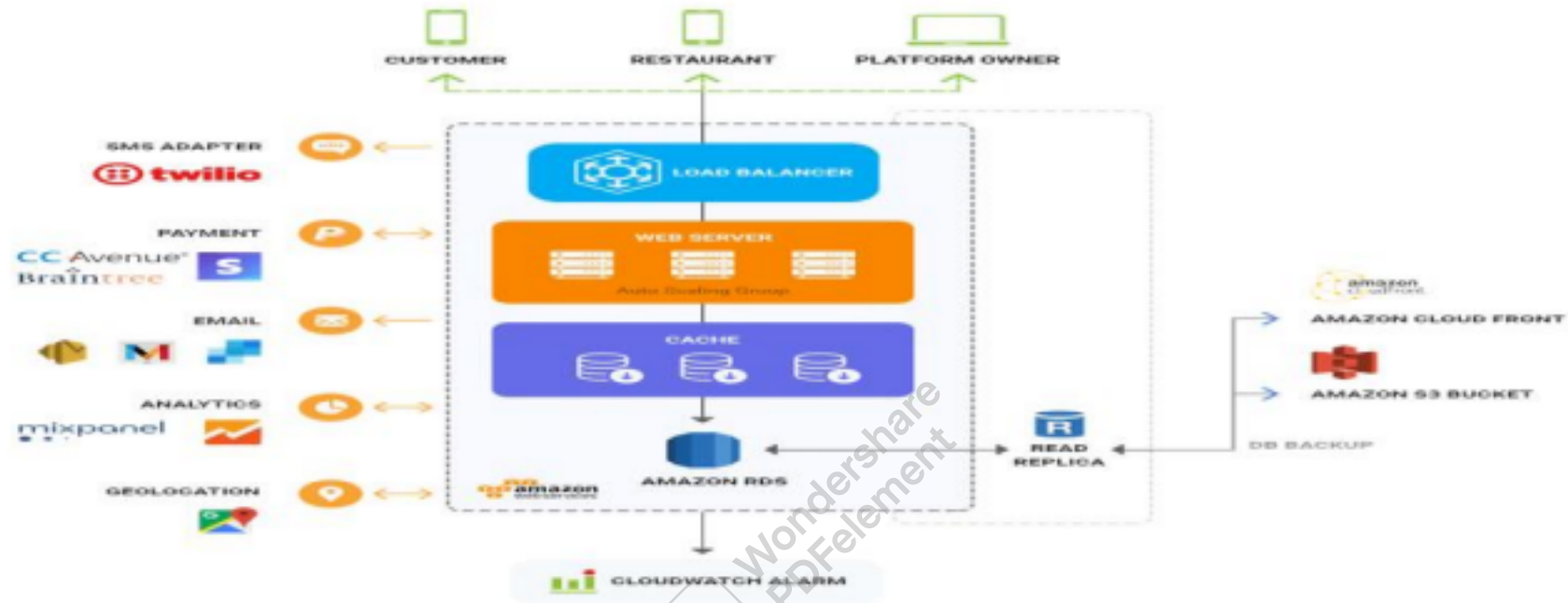
**Project Design Phase-II****Technology Stack (Architecture & Stack)**

|               |  |
|---------------|--|
| Date          | 07 November 2022                               |
| Team ID       | PNT2022TMID18620                               |
| 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. |

|    |                    |   |  |
|----|--------------------|---|--|
| 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<br>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.   |
| 3.       | Scalable Architecture    | Based on quality.<br>Based on taste.                                    | Quality assurance<br>Quality control.  |
| 4.       | Availability             | Available through online  | Online system  |
| 5.       | Performance              | Provide qualitative food<br>Encourage customer loyalty.<br>Boost sales. | Testing shows preference for mistakes. Detecting the defect within a software. |

