

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

Date	03 October 2022
Team ID	PNT2022TMID32677
Project Name	Project – DemandEst-AI powered food demand forecast
Maximum Marks	4 Marks

Technical Architecture:

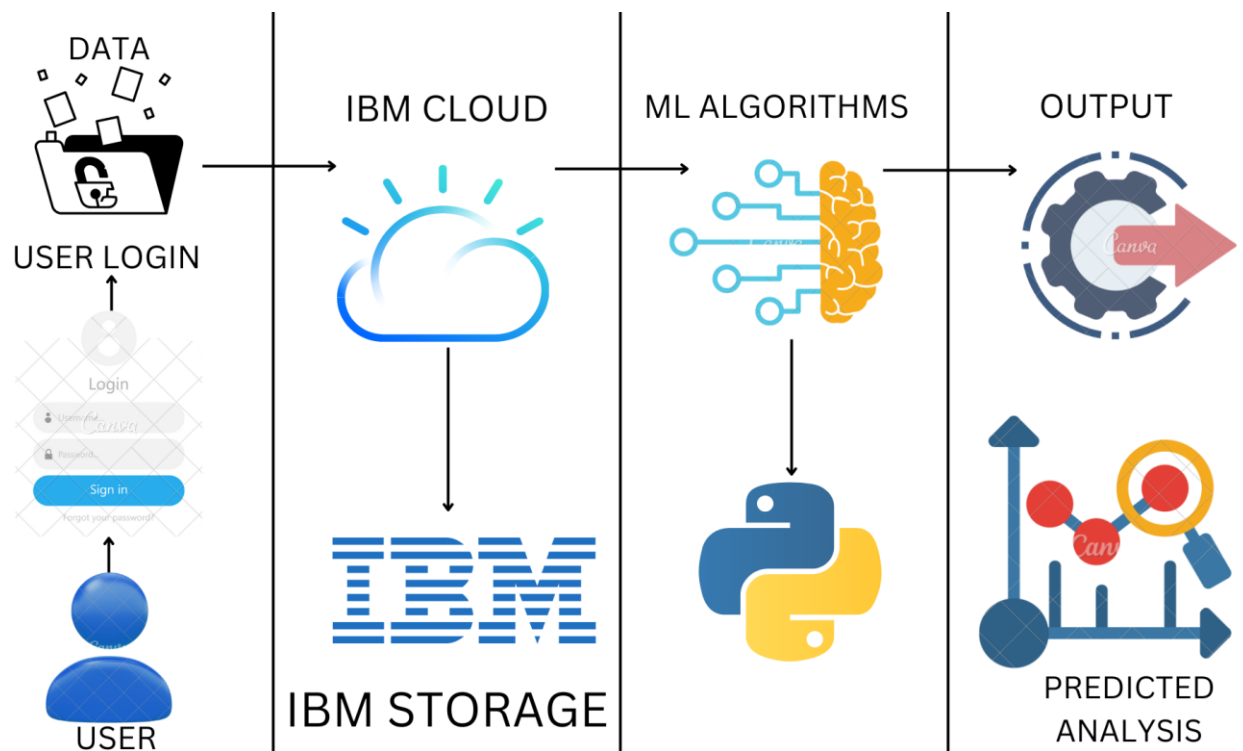


Table-1: Components & Technologies:

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 restaurants 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.	Cloud watch 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 Opensource framework
2.	Security Implementations	Authentications through OTP	Through mobile phones.
3.	Scalable Architecture	Based on quality. Based on taste.	Quality assurance Quality control.
4.	Availability	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.