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

Date	27 October 2022
Team ID	Team-592835
Project Name	Restaurant Recommendation System
Maximum Marks	4 Marks

Technical Architecture:
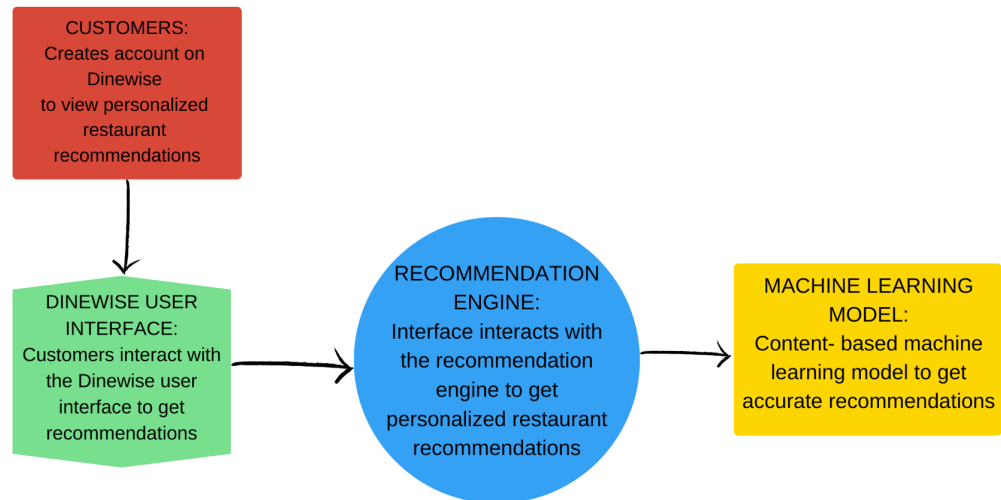
Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	A web-based application to interact with the recommendation system.	HTML, CSS
2.	Recommendation Engine	The core of the system, which generates restaurant recommendations based on user preferences and other factors.	Python
3.	External API Integrations	To fetch additional data like user reviews, location data, and restaurant information.	Python, Flask
4.	Backend Server	The server-side logic to handle user requests, process data, and provide recommendations.	Python, Flask
5.	Machine Learning Model	Machine learning models for recommendation, e.g., collaborative filtering, content-based filtering, or hybrid models.	Python
6.	Infrastructure (Server)	Application Deployment on Local System	Local

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Scikit-learn	An open-source machine learning library for Python.
2.	Scalable Architecture	- Presentation Tier - Application Tier - Data Tier	- HTML, CSS - Python, Flask - MySQL