

Model Development Phase Template

Date	18 June 2025
Team ID	SWTID1749631993
Project Title	Restaurant Recommendation System
Maximum Marks	5 Marks

Feature Selection Report Template

In the forthcoming update, each feature will be accompanied by a brief description. Users will indicate whether it's selected or not, providing reasoning for their decision. This process will streamline decision-making and enhance transparency in feature selection.

Feature	Description	Selected (Yes/No)	Reasoning
url	url of the restaurant on the Zomato website	No	It does not provide any useful semantic or numerical information for machine learning.
Address	address of the restaurant in Bengaluru	Yes	Helps identify the specific branch of a restaurant and can assist in location-based filtering.
Name	name of the restaurant	Yes	Key identifier used to fetch restaurant details and generate recommendations based on input.
Online_order	online ordering is available in	Yes	Useful for filtering or recommending restaurants that support online ordering.

	the restaurant or not		
Book_table	table book option available or not	Yes	Helps recommend places that allow table booking — important for user convenience.
Rate	overall rating of the restaurant out of 5	Yes	
Votes	total number of rating for the restaurant as of the above-mentioned date	Yes	Indicates popularity — high vote count can signify credibility and user trust.
Phone	phone number of the restaurant	No	It's not relevant to how similar restaurants are determined.
Location	neighbourhood in which the restaurant is located	Yes	Supports personalized, nearby recommendations based on the user's geographical area.
Rest_type	restaurant type	Yes	Categorizes restaurants (e.g., cafe, buffet, casual dining); useful for user preference matching.
Dish_liked	dishes people liked in the restaurant	No	It usually has highly unstructured data and is hard to clean it.

Cuisines	food styles, separated by comma	Yes	helps identify similarity between restaurants.
Approx_cost (for two people)	approximate cost for a meal for two people	Yes	Allows cost-based filtering; users often look for restaurants within budget.
Reviews_list	list of tuples containing reviews for the restaurant, each tuple	Yes	Text data used with TF-IDF to understand customer sentiment and match similar experiences.
Menu_item	contains a list of menus available in the restaurant	Yes	if users are searching for specific dishes or cuisines.
Listed_in(type)	type of meal	Yes	Indicates service type (e.g., delivery, dine-out); helps align with user intent.
Listed_in(city)	contains the neighbourhood in which the restaurant is listed.	Yes	Important for filtering or recommending restaurants with