

## Model Development Phase Template

Date	20 June 2024
Team ID	739954
Project Title	Cerala analysis based on ratings by using machine learning techniques
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
Name	The name of the cereal	No	The name itself might not contribute to nutritional or display information.
Manufacturer	The company that produces the cereal	Yes	Helps identify the brand and quality standards associated with the product.
Type	The type of cereal (e.g., cold, hot).	Yes	Important for consumer preference and storage conditions.
Calories	Number of calories per serving	Yes	Essential for dietary and health-conscious consumers.
Protein	Grams of protein per serving.	Yes	Important for nutritional value and dietary requirements.
Fat	Grams of fat per serving	Yes	Key for consumers monitoring fat intake.
Sodium	Milligrams of sodium per serving	Yes	Important for those monitoring sodium intake for health reasons.

Fiber	Grams of dietary fiber per serving	Yes	Crucial for digestive health and dietary needs.
carbohydrate	Grams of carbohydrates per serving.	Yes	Vital for energy content and dietary planning.
sugars	Grams of sugars per serving.	Yes	Important for consumers managing sugar intake.
potassium	Milligrams of potassium per serving	Yes	Necessary for overall health and dietary balance.
vitamins	Percentage of daily vitamins per serving.	Yes	Important for nutritional value and health benefits.
shelf	Display shelf(1,2,or 3,counting from the floor)	Yes	Relevant for merchandising and ease of access in stores.
Weight	Weight in ounces of one serving	Yes	Important for portion control and packaging.
Cups	Number of cups per serving	Yes	Useful for understanding serving size and portioning.

Rating	Consumer rating of the cereal	Yes	Important for gauging consumer satisfaction and product quality.
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