Model Development Phase Template

Date	22 June 2024
Team ID	-
Project Title	Golden Harvesting: A Predictive Model For Apple Quality Assurance
Maximum Marks	5 Marks

Feature Selection Report

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
A_id	Unique identifier for each apple	No	Used for data management, not for prediction
Size	The physical size of the apple	Yes	Significant factor in quality
Weight	The weight of the apple	Yes	Correlates with size and storage
Sweetness	Sugar content in the apple	Yes	Affects taste and consumer satisfaction
Crunchiness	Texture and firmness	Yes	Influences eating experience

Juiciness	Water content in the apple	Yes	Affects taste and overall quality
Ripeness	Maturity level of the apple	Yes	Indicator of readiness for consumption
Acidity	Acid content in the apple	Yes	Balances sweetness and flavor profile
Quality	Overall quality assessment	Yes	Target variable for model training