**Model Development Phase Template**

| Date | July 2024 |
| --- | --- |
| Team ID | 740053 |
| Project Title | Estimating the stock keeping units using Machine Learning |
| 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** |
| --- | --- | --- | --- |
| Record\_ID | Unique identifier for each stock | Yes | For predicting stock ID is not required |
| week | Week in which stocks got predicted | Yes | Exhibit weekly patterns for comparison across different weeks |
| Store\_id | Each Store\_id uniquely identifies a stock or entity | Yes | It facilitates comparison of performance metrics across different stocks |
| Sku\_id | Each Sku\_id uniquely identifies a specific product or item | Yes | Sku\_id ensure that each product is uniquely identified |
| Total\_price | Provides a comprehensive financial overview of stock | Yes | Helps in tracking the total revenue generated from sales over a specific period |
| Base\_price | Represents the initial, non-adjusted price of a stock or item | Yes | Understanding the Base\_price is essential for developing and adjusting pricing strategies, ensuring competitiveness and profitability |
| Is\_featured\_ sku | Marks SKUs that are featured in promotions and advertisements | Yes | Guides decisions on resource allocation for marketing and promotions by showing featured items. |
| Is\_display\_ sku | Differentiates display items from regular inventory in the analysis | Yes | Provides valuable insights into the effectiveness of display strategies |
| Units\_sold | Tracks the quantity of each product sold | Yes | Helps in evaluating the sales performance of different products. |