# Use Case: Manage Product Price Table for Inventory

**Primary Actor**: Inventory Manager / System System

1. **Description**: This will contain the price per item of each element. Store and manage the pricing details of all products, allowing to retrieve prices for calculating product costs.

## Main Success Scenario:

1. The inventory manager navigates to the **Product Price Table**.
2. The manager adds a new product with the following details:
   * productid: A unique identifier for the product.
   * productSku: The SKU (Stock Keeping Unit) for the product.
   * PricePerUnit: The price per unit of the product.
   * UnitOfMeasure: The unit of measurement for the product (e.g., kilograms, liters, units).
   * dateCreated: The date when the product price was first added.
   * LastUpdated: The last date when the product price or details were modified.
3. Once the product price information is added, the system saves the record in the **Product Price Table**.
4. When product price or other details (like ReorderLevel) are updated by the manager:
   * The LastUpdated field is automatically updated by the system.
   * The updated price is immediately reflected in the **Sales Table** for any future sales calculations.

## Extensions:

* **Product Price Update**: If the price of a product changes, the manager updates the PricePerUnit or UnitOfMeasure, and the LastUpdated field is modified to reflect the most recent change. The system ensures that all future sales reflect the updated pricing.

## Alternative Flows:

* **Missing Price Information**: If the PricePerUnit or UnitOfMeasure for a product is missing, the system will not allow the product to be added to the **Product Price Table** until all necessary fields are provided.

## Postconditions:

* The **Product Price Table** stores all price-related information for each product in the inventory.
* The **Sales Table** fetches accurate and up-to-date pricing information from the **Product Price Table** for sales calculations.
* The system maintains a log of when product prices were created and last updated for historical tracking.

## Data structure

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |
| productid |  |  |  |  |  |  |
| productSku |  |  |  |  |  |  |
| PricePer unit |  |  |  |  |  |  |
| UnitofMeasure |  |  |  |  |  |  |
| dateCreated |  |  |  |  |  |  |
| LastUpdated |  |  |  |  |  |  |
| Reorderlevel |  |  |  |  |  |  |