

Documentation Product Management System

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1. Introduction

The Product Management System is designed to efficiently manage products and employee information within an organization. The system supports three user roles: Admin, Super Employee, and Employee. Each role has specific permissions and responsibilities.

2. User Roles and Attributes

User Attributes

Employee ID: Unique identifier for each employee.

Name: Name of the employee.

Role: Role of the employee (Admin, Super Employee, or Employee).

Joining Date: Date when the employee joined the organization.

Status: Employee status (active, resigned).

Unit: Employee's unit within the organization.

SBU (Strategic Business Unit): The business unit to which the employee belongs.

Created By: User who created the employee record.

Created At: Date and time when the employee record was created.

Updated By: User who last updated the employee record.

Updated At: Date and time of the last update.

Deleted By: User who deleted the employee record.

Deleted At: Date and time of deletion.

Product Attributes

Name: Name of the product.

Serial: Unique serial number for each product.

Model: Product model or type.

Purchase Price: Price at which the product was purchased.

Purchase Date: Date of purchase.

Purchase SBU: The SBU responsible for the purchase.

Status: Product status (active, stock, service, disable).

Created By: User who created the product record.

Created At: Date and time when the product record was created.

Updated By: User who last updated the product record.

Updated At: Date and time of the last update.

Deleted By: User who deleted the product record.

Deleted At: Date and time of deletion.

3. Product Management

Admin Role

Create, Update, Read, Delete (CURD) Super Employee: Admin can manage Super Employees' information.

CURD Employee: Admin can manage Employee information.

CURD Product: Admin can create, update, read, and delete product records.

Assign/Allocate Products: Admin can assign or allocate products to employees.

Super Employee Role

CURD Employee: Super Employees can manage Employee information.

CURD Product: Super Employees can create, update, read, and delete product records.

Assign/Allocate Products: Super Employees can assign or allocate products to employees.

Employee Role

See Assigned Products: Employees can view the products assigned to them.

4. Employee Management

Admin, Super Employees, and Employees can manage employee information, including creating, updating, and deleting employee records. These records include details such as name, role, joining date, status, unit, SBU, and history of changes.

5. Product Assignment

Admin and Super Employees can assign or allocate products to employees. This assignment includes the product name, serial number, employee name, employee ID, and the allocation date. The system tracks who made the assignment and when.

6. Shift Management

Shift management allows tracking product shifts from one SBU to another. It includes details such as the product name, serial number, the SBU from which the product is shifting, the current SBU, and the shifting date. Changes are recorded in the history.

7. History

The system maintains a comprehensive history of all product assignments and shifts. This history includes a record of who made the changes, the date and time of the changes, and the old and new values.

8. Search

The system provides a search feature that allows users to search for employees and assigned products by various attributes, such as employee name, ID, product name, and serial number.

9. Conclusion

The Product Management System is a versatile tool for managing employee and product information within your organization. With different user roles and robust features for product and employee management, this system streamlines your operations and ensures efficient tracking of product assignments and shifts.