**System Name: Inventory Management System**

* **System Navigation Flow:**

**Log In Page** The user enters their **username and password**.

Based on the user’s role, they are directed to different pages

If the user's role is **Stock Clerk, they are directed to the Product Stock Page**.

If the user's role is **Administrator, they are directed to the Master Data Page.**

* **Page Descriptions: Product Stock Page (for Stock Clerk):**
* The page displays a list of all products in two data grids: In Stock and Low Stock (Quantity < 10).
* The Stock Clerk can receive new stock (updates product quantity) and Ship out stock (decreases product quantity).
* **Master Data Page (for Administrator):**
* The page allows the Administrator to manage the core data of the system.
* This includes Adding, Editing, and Deleting products, and Adding, Editing, and Deleting supplier information.
* **Database:**

**Create two tables: User and Product.**

**Create an additional table: Supplier.**

* **User table attributes:**

**UserID (Primary Key, int)**

**Name (nvarchar, required)**

**Password (nvarchar, required)**

**Email (nvarchar, required, unique)**

**Role (nvarchar, options: Administrator, Stock Clerk)**

* **Product table attributes:**

**ProductID (Primary Key, int)**

**Name (nvarchar, required)**

**Description (nvarchar, optional)**

**Quantity (int, required)**

**Price (decimal)**

**SupplierID (Foreign Key, int)**

* **Supplier table attributes:**

**SupplierID (Primary Key, int)**

**Name (nvarchar, required)**

**Phone (nvarchar)**

**Email (nvarchar)**

* **UI Controls:**

**Using the following controls in XML is a must:**

**Label, Textbox, Combobox, Button, Radio button, Grid.**

* **Style Controls:**

**Using the following style controls in XML is a must:**

**Font weight, Background, Margin, Border, Foreground, Font family.**