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# 1.0 Introduction

Nowadays, Inventory Management System is widely used in this world to record and process goods and some transaction data. This system allows staff and management to effectively manage the inventory of goods, allowing staff or management to calculate the required purchases. Here will introduce a simulate system called “**Warehouse I-Management System**”.

## 1.1 Project Scope

In this project, each new employee or manager needs to register an account his own because the management system needs to be logged in to manage goods and view data. In this management system, staff or management can view the inventory of the factory. It is also possible to arrange the quantity of incoming and outgoing shipment.

## 1.2 Project Aim

The main purpose of the project is to use the simulation management system designed by ASP.NET to handle the entry and exit of goods and data.

## 1.3 Tools & Applications

The tools and applications that would be applied in this project are as follows:

* **Tools:**
  + Microsoft Visual Studio
  + Microsoft SQL Server Management Studio 18
* **Application:**
  + ASP.NET Web Application (Model-View-Controller)
  + ADO.NET Entity Framework
* **Database**
  + SQL Server
* **Languages**
  + SQL (Structured Query Language)
  + C# & HTML
  + ASP.NET
  + ADO.NET
  + JavaScript
  + CSS (Cascading Style Sheet)

“ASP.NET Web Core (MVC)” is used in the **Front-End** application. This application is responsible for all view and control logic to ensure that everything works well.

In the Back End application, SQL Database and ADO.NET Entity Framework are used to complete the CRUD system to process goods and data such as Create, Edit, Update, Delete. Finally, CSS is used to design the page to make the page beautiful.

# 2.0 Proposed Modules

## 2.1 Sign Up / Register

Sign Up Account is to allow new members to register a new account of their own to use the Easy I-Management System.

## 2.2 CRUD Operations

CRUD Operation is to allow staff or management to quickly change, update, input and delete data to bring convenience to staff or management.

## 2.3 Searching

The Searching system also allows staff or management to quickly find the information or goods they want, just write the name of the goods or category information to quick search.

# 5.0 Screens

## 5.1 System Landing Page

### 5.1.1 Login

Diagram

Description automatically generated with medium confidence

Figure Home Page

The figure above is the Main page of Warehouse I-Management System.

Graphical user interface, application, Teams

Description automatically generated

Figure Login Page

Figure above is the Login page after click on top right side of the main page.

Graphical user interface, application, Word

Description automatically generated

Figure Register Page

Figure above is the register page also located on top right of main page for new member staff to create new account.

A picture containing diagram

Description automatically generated

Figure After click login main page

After login, there will be some change one is on left top side inventory section will come out. Next will be top right side will have user email shown and login will be change to logout button.

Table

Description automatically generated

Figure Inventory Page

After click on inventory on navigation will come to inventory page and in here help staff to delete, edit and insert new item in the system.

Graphical user interface, application

Description automatically generated

Figure Create New Product Page

After click on create, new button will come to this page that stuff can create and insert new item that want to put in the warehouse.

Graphical user interface, application

Description automatically generated

Figure Edit Page

After click on Edit button will come to Edit Page where stuff can edit the item.

A picture containing shape

Description automatically generated

Figure Details Page

After click on details page then staff can check the stock.

Chart

Description automatically generated

Figure Delete Page

After click on delete page the stuff can delete the item that no stock.