

Inventory System

Sifiso Samson

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Document Properties

Item	Details
Project	Inventory System
Author	Sifiso
Creation Date	2022/02/26

Technologies

- .NET Core 6.0 framework
- SQLExpress 2019
- Visual Studio 2022 preview
- C# Language, RazorPages, CSS, LINQ, JS
- EF Core Code-First

VS System Structure

The screenshot displays the Visual Studio Solution Explorer for a project named 'InventorySystem'. The structure is organized into three main project folders: 'ApplicationCore', 'Infrastructure', and 'InventorySystem'. Annotations with arrows point to specific parts of the structure:

- Application Model**: Points to the 'ApplicationCore' project folder.
- Data Access Logic**: Points to the 'Infrastructure' project folder. Below this label, the following items are listed:
 - EF Migrations
 - EF DbContext & Model Design
- Application Presentation Logic**: Points to the 'InventorySystem' project folder.

The 'InventorySystem' project folder contains the following sub-items:

- Connected Services
- Dependencies
- Properties
- wwwroot
- Models
- Pages
- appsettings.Development.json
- appsettings.json
- Dockerfile
- Program.cs

The bottom of the Solution Explorer shows tabs for 'Solution Explorer' and 'Git Changes'.

Role Catalogue

Role	Description
System	The background processing or functions is performed by the system.
User	The user can create, view, edit, delete the products they added.

UC 1.0 User Role

Use Case ID: UC 1.0		
Use Case:	User Login Role	
Notes:	Provides the user with the capability to login.	
Type:	Basic Path	
Scenario:	Basic Path	
	Step	Action
	1	Login to the Inventory system.
	2	System Verify the login details.
	3	User (Exist) System redirect to the Product Report.
	4	User (Not Exist) System redirect to Provide input validation.
	5	User can Create View Edit Delete Products.

Use Case ID: UC 1.1		
Use Case:	User Register Role	
Notes:	Provides the user with the capability to add register.	
Type:	Basic Path	
Scenario:	Basic Path	
	Step	Action
	1	Register to the Inventory system.
	2	System Capture the details and Save to the Database.
	3	System redirect User to the Login Page.

Use Case ID: UC 1.2		
Use Case:	Product Role	
Notes:	Provides the user with the capability to add Products.	
Type:	Basic Path	
Scenario:	Basic Path	
	Step	Action
	1	After Successful Login to Inventory system.
	2	User can Create View Edit Delete Products.

health > impact Home Login Register Logout

Login

Name

Sifiso Mazibuko

Email

sifiso@convergexdm.com

Sign In

Register

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Welcome Sifiso Mazibuko

Product Report

Create New

ProductName	Quantity	ManufactureDate	BatchNumber	Supplier	CostPrice	
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Welcome Debryne

Product Report

Create New

ProductName	Quantity	ManufactureDate	BatchNumber	Supplier	CostPrice	
Hisense	3	3/10/2022 1:21:00 AM	BN4512	Hisense Warehouse	25000	Edit Details Delete

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Welcome sifiso

Product Report

Create New

ProductName	Quantity	ManufactureDate	BatchNumber	Supplier	CostPrice	
Samsung	2	3/1/2022 12:49:00 AM	SSX87452	Samsung Ltd	13999	Edit Details Delete
Hisense	7	3/4/2022 1:24:00 AM	BN4513	Hisense Warehouse Ltd	45000	Edit Details Delete

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Create Product

ProductName

Samsung

Quantity

2

ManufactureDate

03/05/2022 04:05 PM



BatchNumber

SSX87452

Supplier

Samsung Ltd

CostPrice

25000

[Create](#)

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Product Details

ProductName	Samsung
Quantity	2
Manufacture Date	3/1/2022 12:49:00 AM
BatchNumber	SSX87452
Supplier	Samsung Ltd
CostPrice	13999

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