Asset Management System -User Manual

Asset Management System (AMS) is a multi-functional complete web application developed using ASP.NET Core and EF Core code first technology. It enables you to manage all kinds of assets for your company through proper monitoring and a dynamic reporting system.

You can manage assets available in your office, like computers, Printers, Portable Hard-disk, Pen-drive, etc. You can track the history of assets as well.

Core Feature:

Software Inventory Management: Manage all the software of your organizations with the Asset Management System. It provides you with a dashboard to input all the software purchases you have made. Update the license dates from when it was installed, to when the software will expire.

Hardware Inventory Management: Supervise the status of your hardware and the employees' using it with the help of the Asset Management System. Record all the data about the hardware like a purchaser, date of purchase, number of equipment bought, list of all the equipment acquired, et cetera. You can also see the employees who are assigned to use the hardware.

Asset Life Cycle Management: Track an asset life cycle in the organization with Asset Management System. Check for the date it was bought for and see how well the asset was utilized.

Organizations are also enabled to see how many employees have used the asset for what amount of time. It just makes your asset management seamless.

Asset History: It is a very simple feature that allows you to track any change in assets. Ex new assignment, asset status change, etc.

Supplier Management: Asset Management System provides a module to manage all your Suppliers in one place. It also helps you with managing all suppliers.

User Management: Users are provided with admin accounts while registering their company. Admins can create IT Manager Accounts and others custom account by limited page access.

Major Features

- ✓ Software Inventory Management
- ✓ Hardware Inventory Management
- ✓ Asset Life Cycle Management
- ✓ Asset History
- ✓ Asset Allocation
- ✓ Employee Management
- ✓ User Management
- ✓ Dynamic Reporting System
- ✓ Dynamic Dashboard
- ✓ And many more

Technologies:

Microsoft Visual Studio Community 2019 or later, ASP.NET Core 3.1, Identity Core, Entity Framework Code First, MSSQL SERVER 2017, AdminLTE 3.0.5, JavaScript, jQuery data table, bootstrap 4, sweetalert, toastr, Fontawesome etc.

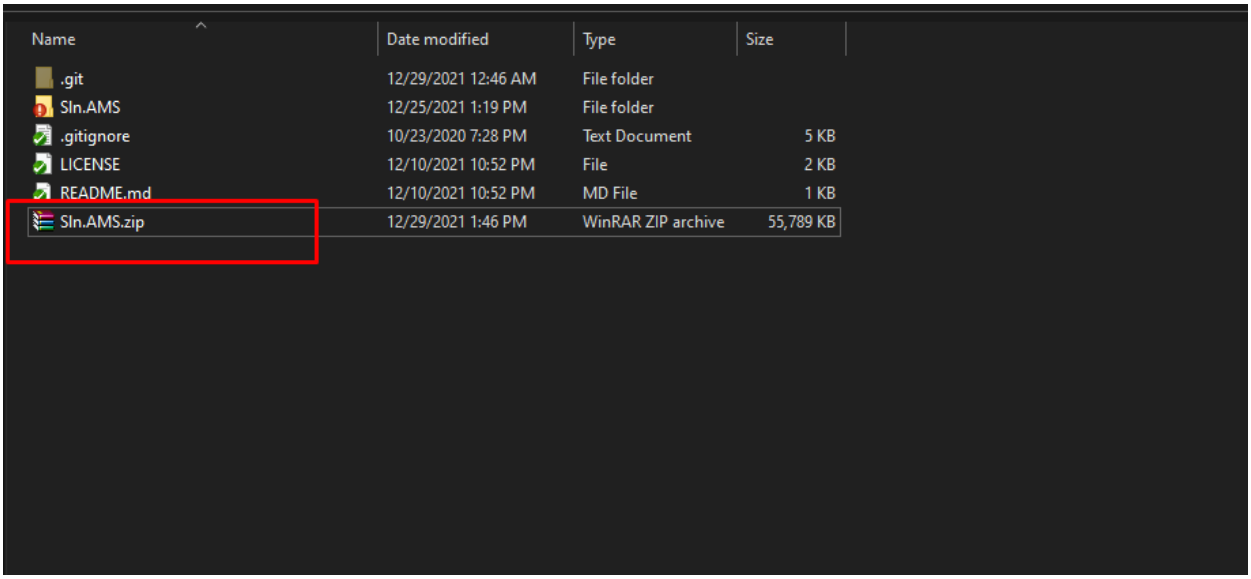
Prerequisite Application:

Microsoft Visual Studio Community 2019 or later, .Net Core 3.1, MS SQL SERVER 2017, IIS, Chrome/Edge Browser.

How to run this Project:

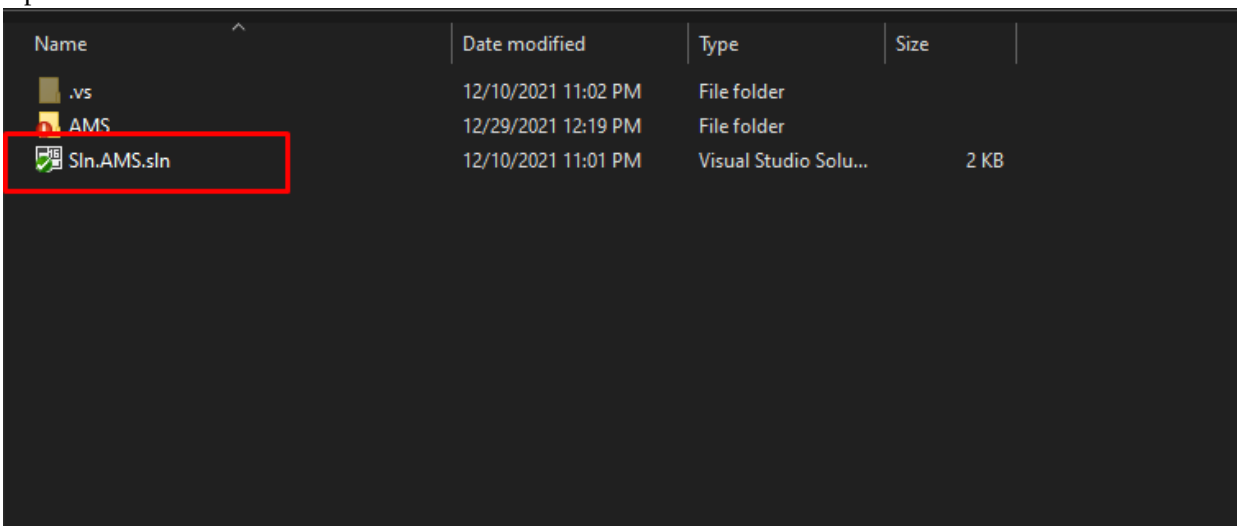
Step 1:

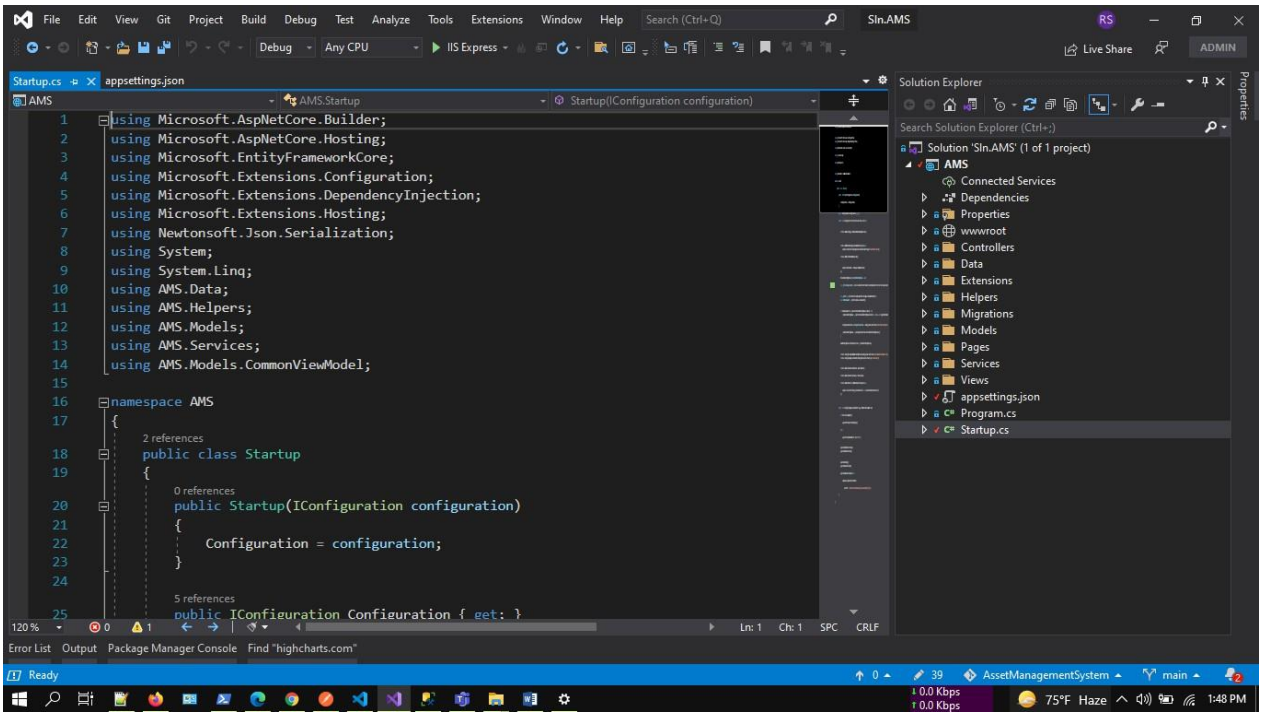
Unzip the downloaded zip folder (Sln.AMS.zip)



Step 2:

Open Sln.AMS.sln file with Visual Studio 2019





Step 3:

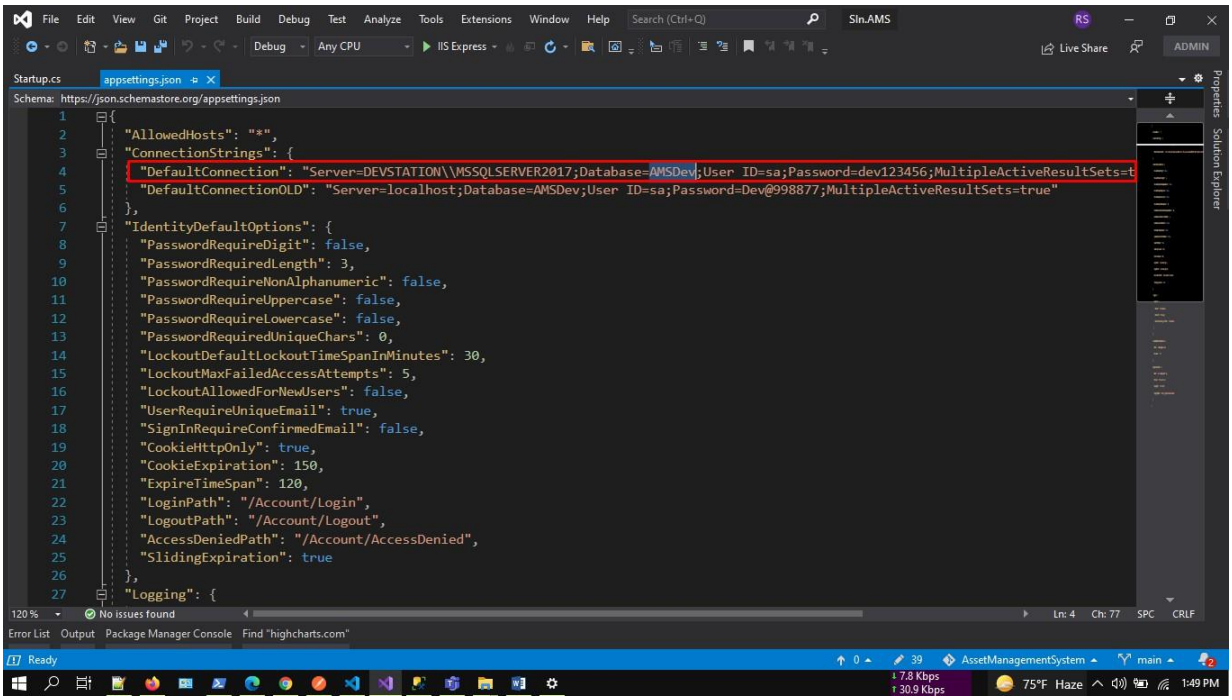
Update database connection: appsettings.json

"DefaultConnection": "Server=DEVSTATION\\MSSQLSERVER2017;Database=AMSDev;User ID=sa;Password=dev123456"

Server=Your MSSQL Server Name

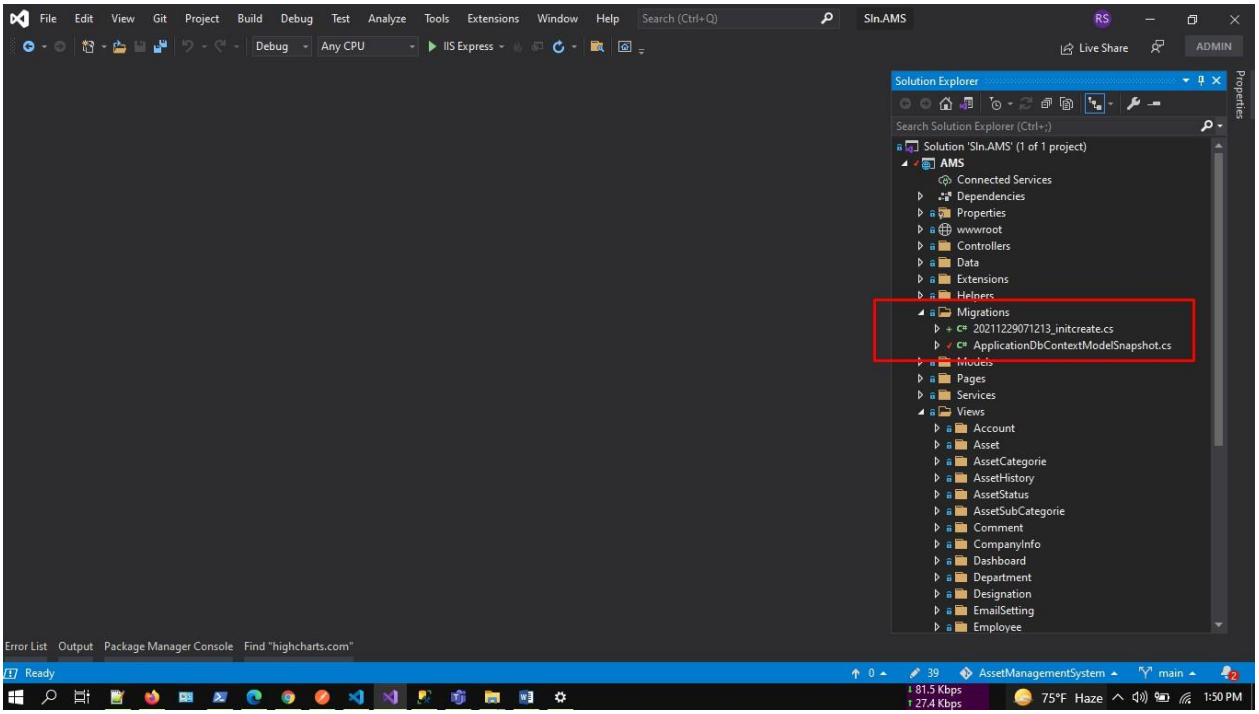
User ID= Your MSSQL Server User Name

Password= Your MSSQL Server User Password



Step 4:

No need to create new migration rule and update database. You just need to build and run the application. Already initial migration rule included with project. Please make sure MS SQL server running properly.



Step 5:

5.1 : Build application by pressing f6

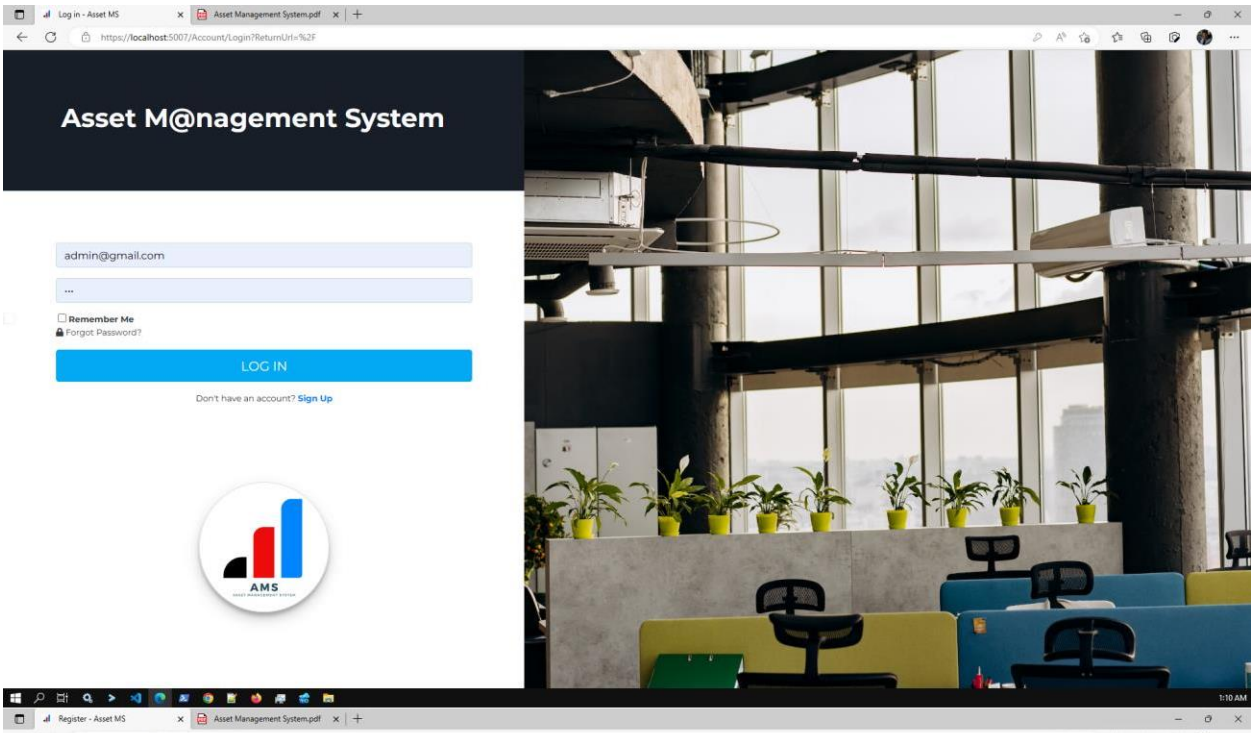
5.2 : Run application by pressing f5

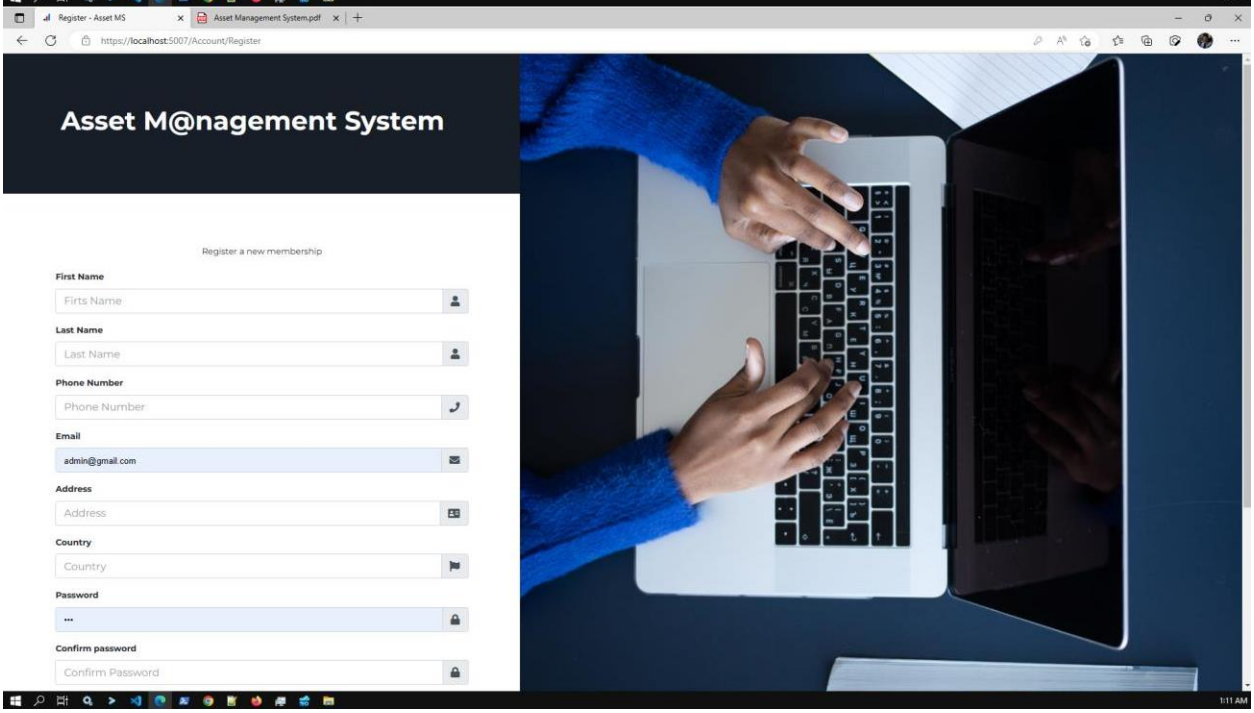
https://localhost:5001/

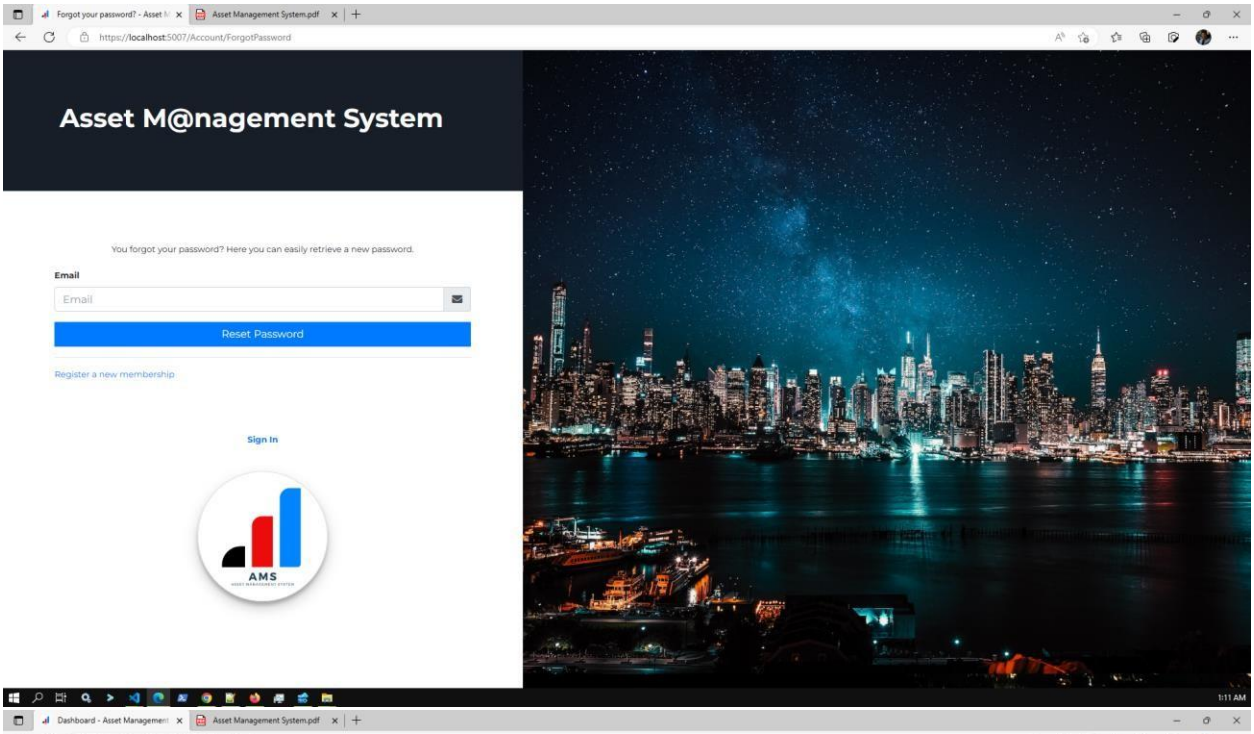
Initially in the SQL server, relevant tables and data will be created in the database dynamically as code first approach.

Step 6:

Browse full application.



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You forgot your password? Here you can easily retrieve a new password.
Email
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Reset Password
Register a new membership
Sign In
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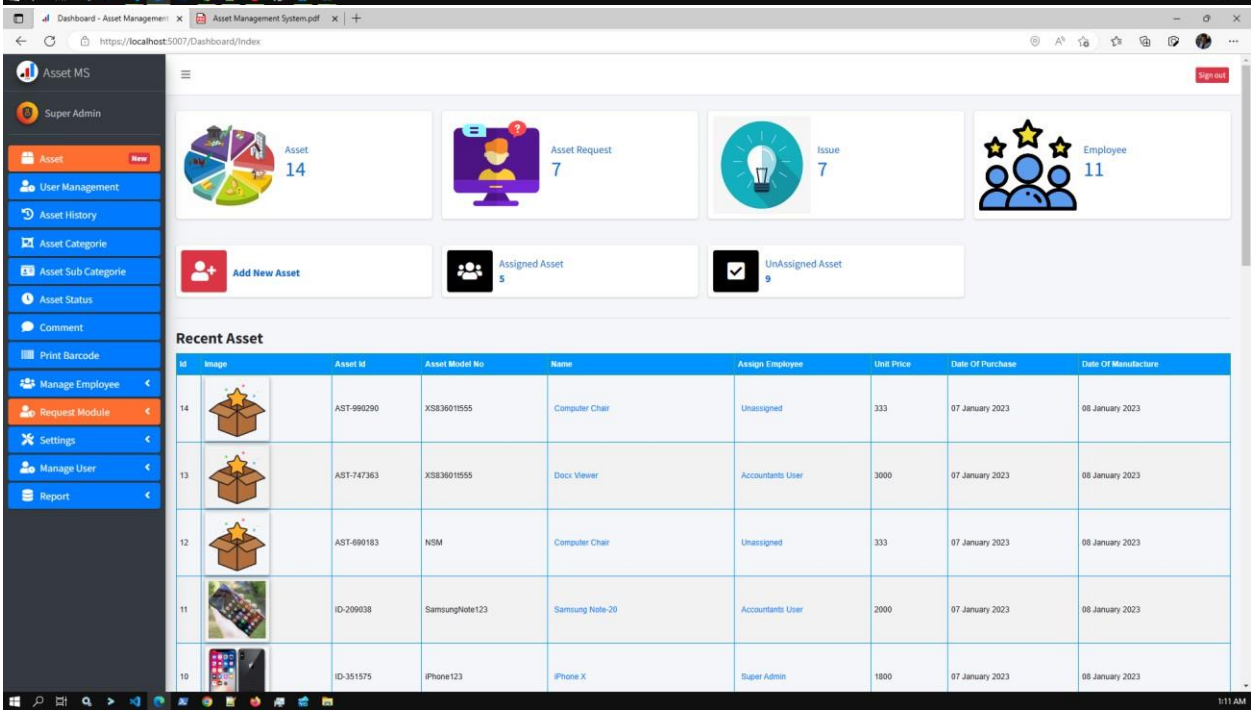
Dashboard - Asset Management
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Asset MS
Super Admin
Sign out
Asset
User Management
Asset History
Asset Categorie
Asset Sub Categorie
Asset Status
Comment
Print Barcode
Manage Employee
Request Module
Settings
Manage User
Report
Asset 14
Asset Request 7
Issue 7
Employee 11
Add New Asset
Assigned Asset 5
UnAssigned Asset 9
Recent Asset
Id | Image | Asset Id | Asset Model No | Name | Assign Employee | Unit Price | Date Of Purchase | Date Of Manufacture
14 | AST-990290 | XS836011555 | Computer Chair | Unassigned | 333 | 07 January 2023 | 08 January 2023
13 | AST-747363 | XS836011555 | Docx Viewer | Accountants User | 3000 | 07 January 2023 | 08 January 2023
12 | AST-690183 | NSM | Computer Chair | Unassigned | 333 | 07 January 2023 | 08 January 2023
11 | ID-209038 | SamsungNote123 | Samsung Note-20 | Accountants User | 2000 | 07 January 2023 | 08 January 2023
10 | ID-351575 | iPhone123 | iPhone X | Super Admin | 1800 | 07 January 2023 | 08 January 2023
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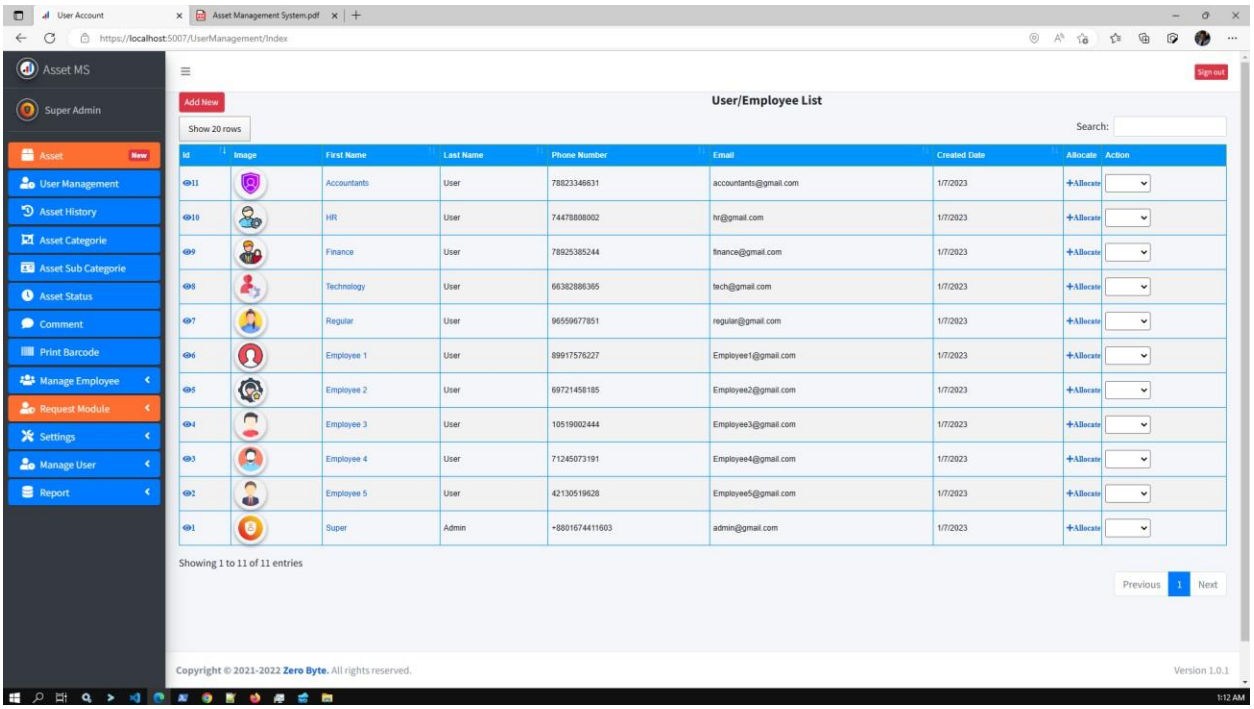
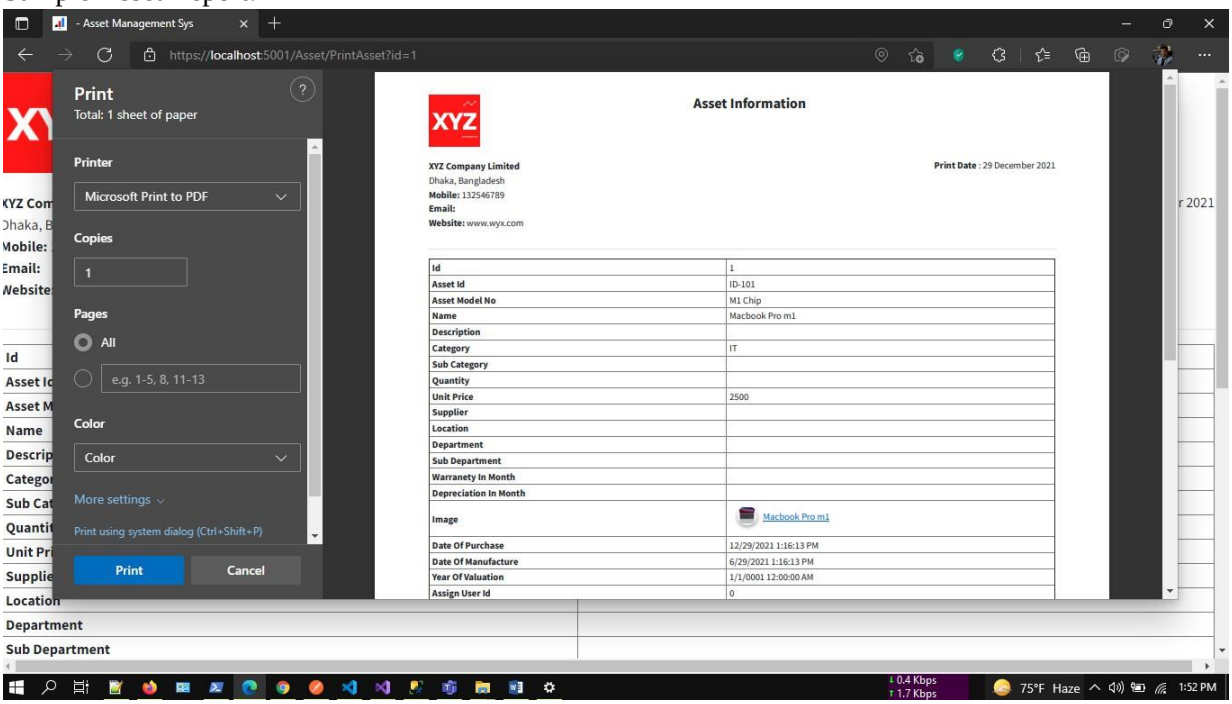
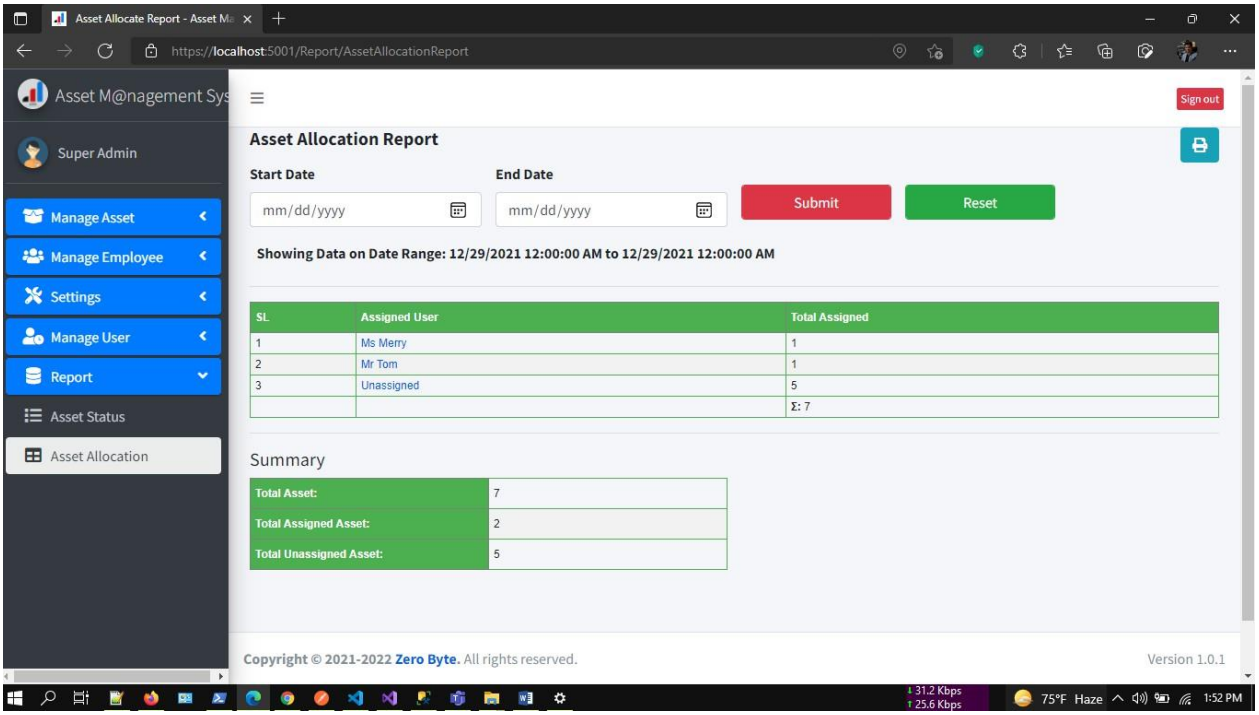


Sample Asset Report:



Sample Asset Allocation Report:



DB Migration:

```
Tools--> Nuget Package Manager--> Package Manager Console

PM> add-migration initcreate
PM> update-database


Check .Net Version:
Press Windows + R.
Type cmd.
On the command prompt, type dotnet --version
```

FAQ:

Question: How to install Database/How to run migration/Database table not creating?

Answer: Please follow these steps,

1. Make sure the right database connection is in the appsettings.json file

2. Check your server name, by running this SQL: **SELECT @@SERVERNAME AS 'Server Name'**

3. Delete the database from your SQL Management Studio (if already created)

4. Just build the project (As we have already included Migrations in the project)

5. Run the project

6. Now check your DB. Hopefully, DB and all tables you will find now.

Please cross-check, Program.cs and appsettings.json files properly.

appsettings.json

"DefaultConnectionMSSQL": "Server= DUB3N001767;Database=AMSDev;User ID=sa;Password=Password#12345;MultipleActiveResultSets=true" ;TrustServerCertificate=True,

Note that,

Server = your local server

Database = any name

User ID=your local MSSQL Server user name

Password=your local MSSQL Server user password

Required Application:

- Visual Studio 2022

- MSSQ 2017/later

- Dotnet SDK 6.0

Tutorials Video:

How to deploy/host ASP.NET Core 6.0 MVC App to IIS Using VS Code | Visual Studio

How to Install Microsoft SQL Server 2019 and SSMS on Windows 10 | Windows 11| Step By Step

Supports:

If you want to modify or add new features, or any technical issues you have faced during installation you can always contact us at, seumoblondel@gmail.com

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