

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.

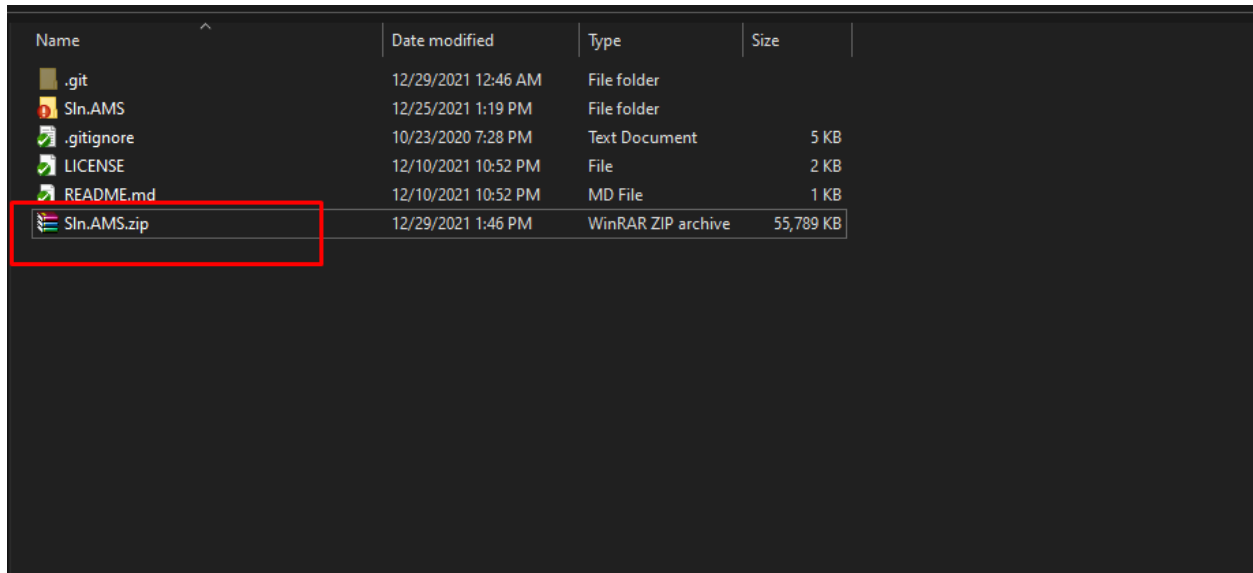
Prerequisite Application:

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:

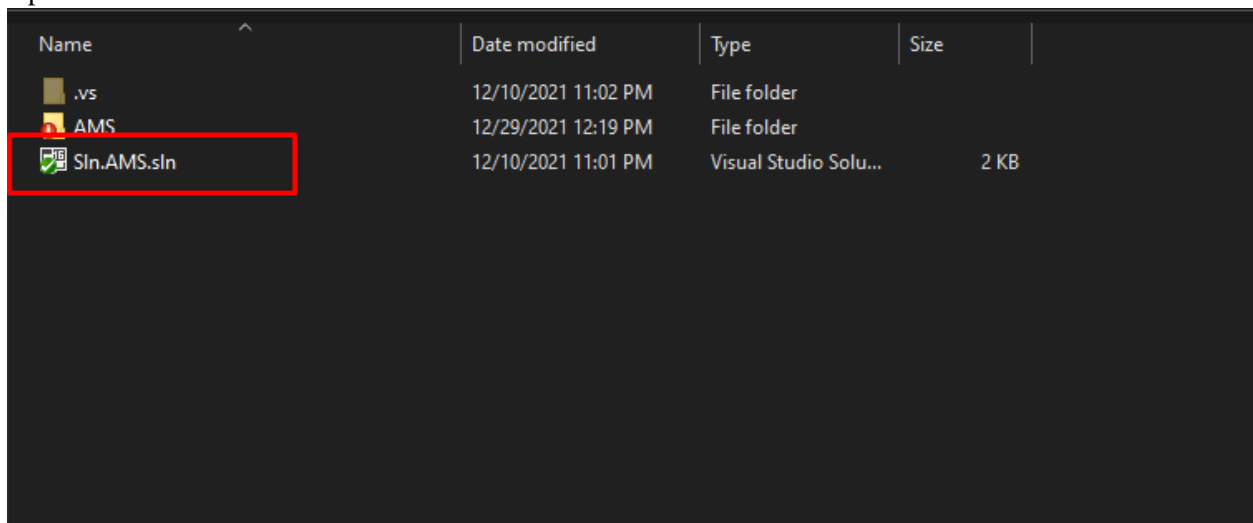
Unzip the downloaded zip folder (Sln.AMS.zip)



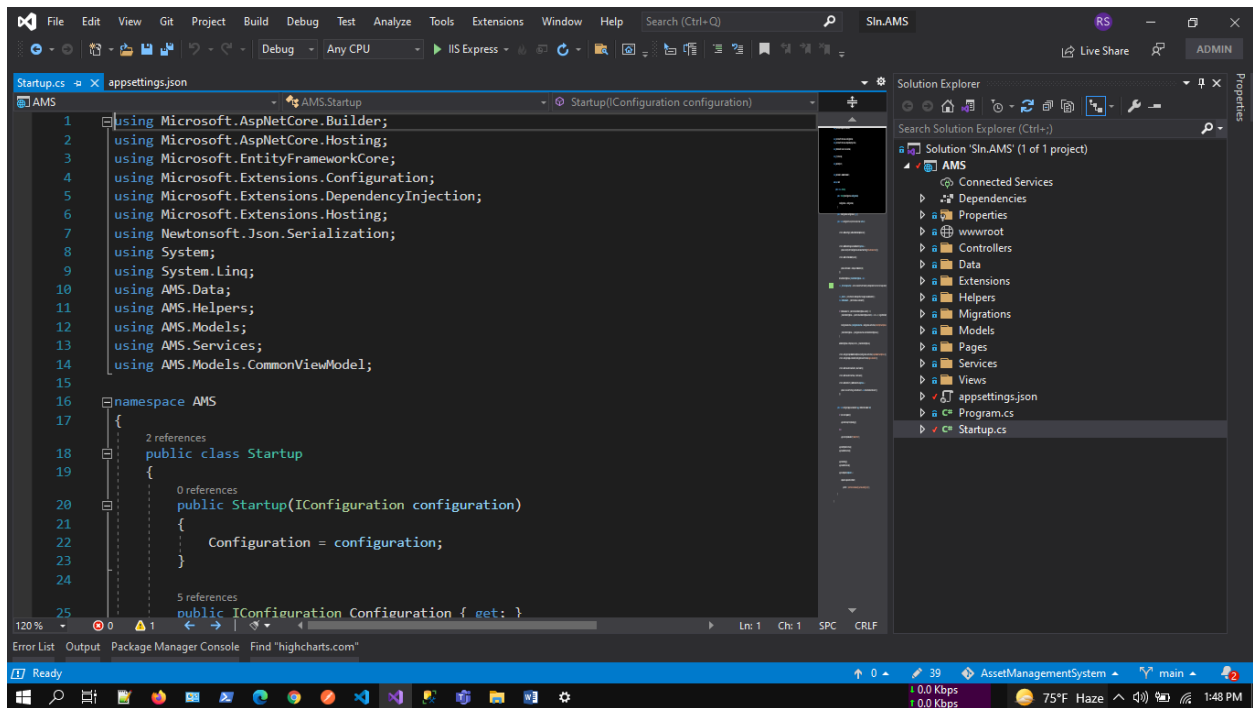
Name	Date modified	Type	Size
.git	12/29/2021 12:46 AM	File folder	
Sln.AMS	12/25/2021 1:19 PM	File folder	
.gitignore	10/23/2020 7:28 PM	Text Document	5 KB
LICENSE	12/10/2021 10:52 PM	File	2 KB
README.md	12/10/2021 10:52 PM	MD File	1 KB
Sln.AMS.zip	12/29/2021 1:46 PM	WinRAR ZIP archive	55,789 KB

Step 2:

Open Sln.AMS.sln file with Visual Studio 2019



Name	Date modified	Type	Size
.vs	12/10/2021 11:02 PM	File folder	
AMS	12/29/2021 12:19 PM	File folder	
Sln.AMS.sln	12/10/2021 11:01 PM	Visual Studio Solu...	2 KB



Step 3:

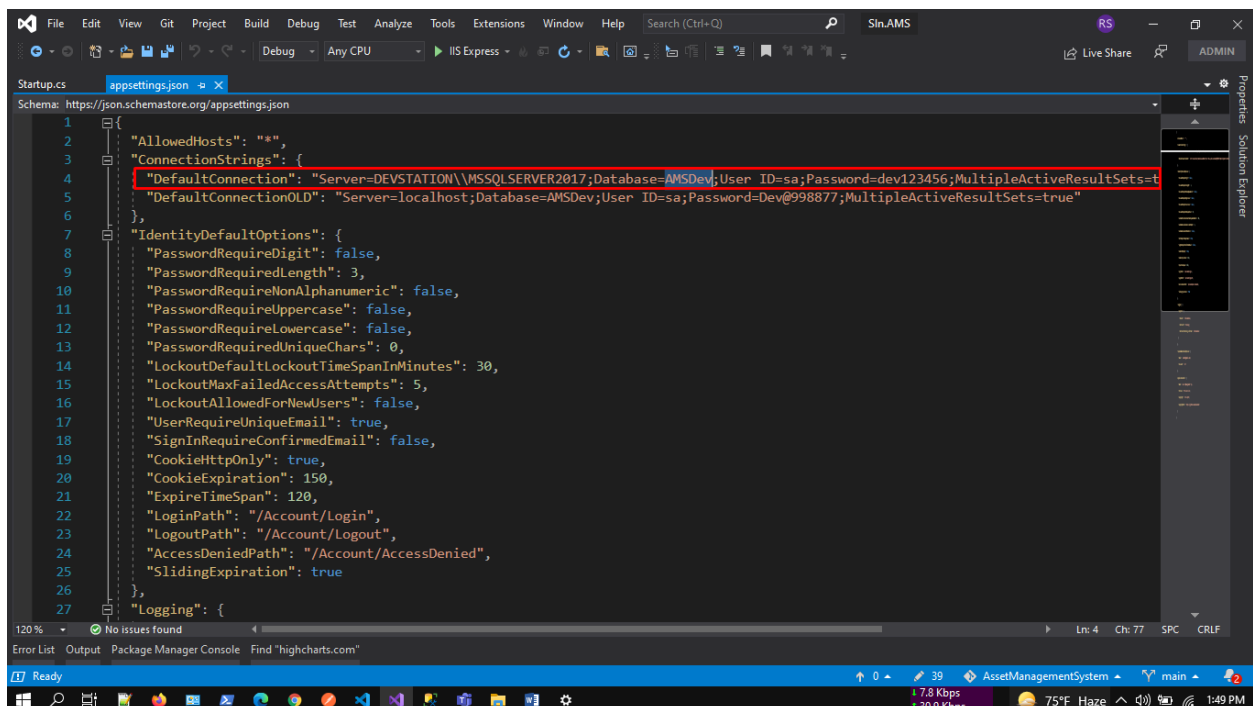
Update database connection: appsettings.json

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

Server=Your MSSQL Server Name

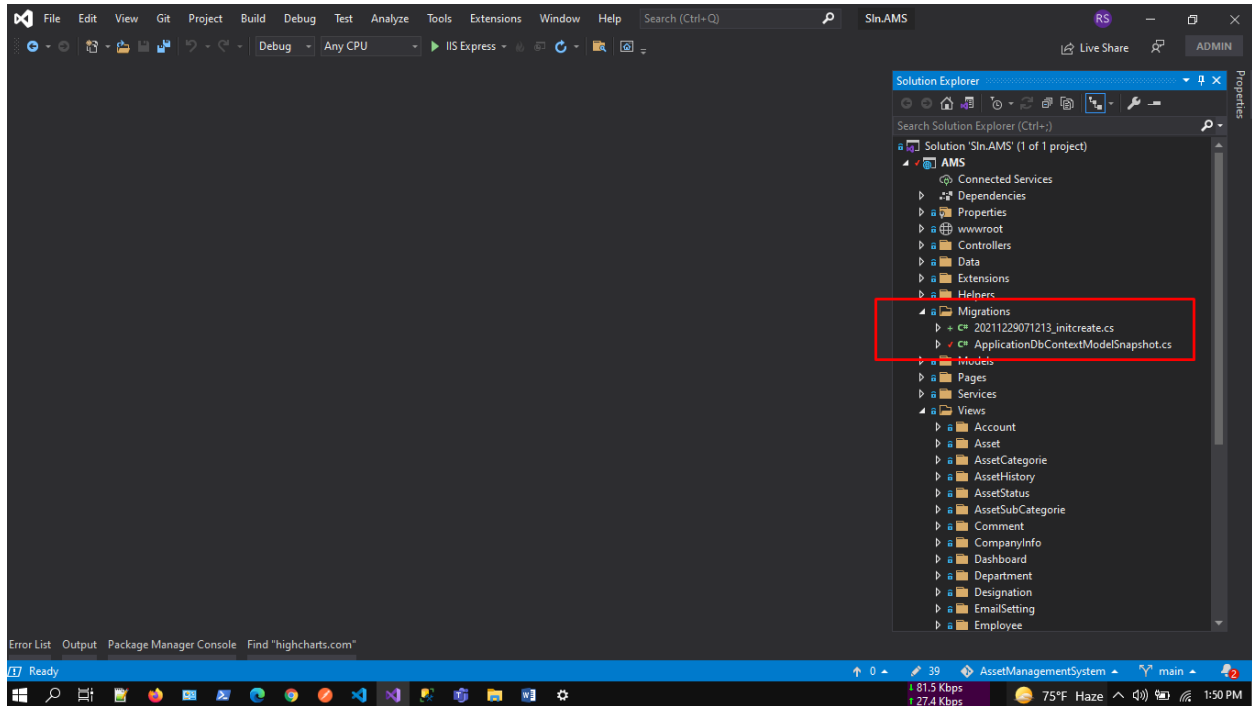
User ID= Your MSSQL Server User Name

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.

The screenshot shows the 'Dashboard - Asset Management' interface. The left sidebar contains navigation links: 'Manage Asset', 'Manage Employee', 'Settings', 'Manage User', and 'Report'. The main content area displays four summary cards: 'Total Asset 7', 'Total Assigned Asset 2', 'Total UnAssigned Asset 5', and 'Total Employee 6'. Below these is an 'Add New Asset' button. The 'Recent Asset' section features a table with the following data:

ID	Image	Asset Id	Asset Model No	Name	Assign Employee	Unit Price	Date Of Purchase	Date Of Manufacture
7		ID-733428	WSDA123	Mac Book Pro	Unassigned		29 December 2021	29 December 2021
6		ID-106	SamsungNote123	Samsung Note-20	Mr Tom	2000	29 December 2021	29 December 2021
5		ID-105	iPhone123	iPhone X	Unassigned	1800	29 December 2021	29 December 2021
4		ID-104	WD123	WD Portable HD	Unassigned	800	29 December 2021	29 December 2021
3		ID-103	Samsung123	Samsung Curved Monitor	Ms Merry	1200	29 December 2021	29 December 2021

Sample Asset Report:

The screenshot displays the 'Asset Information' report for a specific asset. The report includes the following details:

- XYZ Company Limited**
Dhaka, Bangladesh
Mobile: 132546789
Email:
Website: www.xyz.com
- Print Date:** 29 December 2021
- Asset Details:**
 - Id:** 1
 - Asset Id:** ID-101
 - Asset Model No:** M1 Chip
 - Name:** Macbook Pro m1
 - Description:**
 - Category:** IT
 - Sub Category:**
 - Quantity:**
 - Unit Price:** 2500
 - Supplier:**
 - Location:**
 - Department:**
 - Sub Department:**
 - Warranty in Month:**
 - Depreciation in Month:**
 - Image:**
 - Date Of Purchase:** 12/29/2021 1:16:13 PM
 - Date Of Manufacture:** 6/29/2021 1:16:13 PM
 - Year Of Valuation:** 1/1/0001 12:00:00 AM
 - Assign User Id:** 0

A print dialog is open on the left, showing settings for 'Microsoft Print to PDF', 1 copy, and the 'All' page range. The 'Print' button is highlighted.

Sample Asset Allocation Report:

The screenshot shows a web application titled "Asset Allocation Report" running on a local host. The interface includes a sidebar with navigation options: "Manage Asset", "Manage Employee", "Settings", "Manage User", "Report", "Asset Status", and "Asset Allocation". The main content area displays the report for the date range "12/29/2021 12:00:00 AM to 12/29/2021 12:00:00 AM". It features a table with columns "SL", "Assigned User", and "Total Assigned". The table shows three rows: "Ms Merry" (1), "Mr Tom" (1), and "Unassigned" (5), with a total of 7. Below the table is a "Summary" section with three rows: "Total Asset: 7", "Total Assigned Asset: 2", and "Total Unassigned Asset: 5". The footer includes the copyright notice "Copyright © 2021-2022 Zero Byte. All rights reserved." and the version "Version 1.0.1".

Asset Allocation Report

Start Date: mm/dd/yyyy End Date: mm/dd/yyyy Submit Reset

Showing Data on Date Range: 12/29/2021 12:00:00 AM to 12/29/2021 12:00:00 AM

SL	Assigned User	Total Assigned
1	Ms Merry	1
2	Mr Tom	1
3	Unassigned	5
		Σ: 7

Summary

Total Asset:	7
Total Assigned Asset:	2
Total Unassigned Asset:	5

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Demo Video Preview

<https://youtu.be/4J2HOIe5638>

App Screenshot: <https://photos.app.goo.gl/wFYWnwm4WMPxcRG26>

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

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, shahedbddev@gmail.com

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