

Advance POS System with Stock Manager - User Manual

Advance POS System with Stock Manager (APOS) is a multi-functional complete web application developed using ASP.NET Core and EF Core code first technology. This web application enables you to manage all kinds of retail shop and small business through proper monitoring and a dynamic reporting system.

APOS is a .NET Core/jQuery-based web application that allows you to manage your sales and inventory from anywhere. It has a built-in Invoice and Inventory System with taxes and discounts. These will be really helpful to apply taxes and discounts automatically and the ability to generate invoices.

Update your stock information, make purchases and view sales data from anywhere whether in the office, at home, in the warehouse, or on the go. All you need to access this a device with internet connection.

Core Feature

Dashboard

With Overview & Best Seller Pie Chart, Latest Eight (Invoice Today, Invoice Monthly, Sales Today, Sales Monthly, Customers & Suppliers) items summary.

Invoice Management

Easily track invoice that is in the register and manage additions and removals from the register. Reporting is also available for this to easily track shortages and overages.

Inventory Management

Do whole or partial inventory counts and stay up to date with history and proper reporting.

Item Variations

Create different sizes, categories, or any attributes you define for your items. You can track inventory down to the variation and even have different prices per variation.

Item modifiers

Modify inventory item, customer invoice easily. Choose add-ons to dishes or how they're prepared in one click.

Reports

Get comprehensive insights into your business with 10+ detailed reports designed for you. Overview & item stock, product quantity and damage item, general profit and/or loss report, sales, purchases, customer, suppliers and staff user reports.

Currency Exchange

Easily accept any Currency Denomination While making a Sale or Return.

Barcode Label Printing

Easily create barcode labels for your products when they arrive in your store or on-demand.

Payment Type

Credit Card, EBT/EBT Processing, Cash, Check, Gift cards you can define your own custom payment methods.

Serial Numbers

You can now manage items with serial numbers, relation with barcode and optionally you can also assign different prices depending on the serial number.

Custom Receipts

Easily customize your receipts to match what you need for your business. There are 5 different configuration options for making your receipts how you want them.

Inventory history

Gain insights into the flow of your inventory by viewing the adjustment log.

Admin LTE Theme:

Use the excellent and responsive theme in a low ambient light environment to reduce eyestrain. It provides a range of responsive, reusable, and commonly used components.

People

Manager, staff users, billers (selling companies), customers, and suppliers.

Settings

Easily manage the app with settings for logo, categories, variants, currencies, custom page access, and identity option.

Much more

User login history, user management, email configuration, nice UI.

Technical Features

1. ASP.NET Core 6.0
2. EF Core code first
3. Identity Core
4. MSSQL/MySQL
5. Partial page update CRUD operation
6. Razor and jQuery for FE
7. jQuery DataTable for faster data load
8. Sweet Alert2 and Toaster notification
9. select2 dropdown
10. ASP.NET Core MVC Architecture
11. Swagger for API documentation
12. Dependency Injection
13. Standard Naming conventions
14. JWT Token Based Authentication and Claim Based Authorization
15. All Methods are Async/Await
16. CORS Settings
17. Docker Support

Technologies:

Microsoft Visual Studio Community 2022 or later, ASP.NET Core 6.0, Identity Core, Entity Framework Code First, MSSQL SERVER 2017/MySQL, AdminLTE 3.0.5, JavaScript, jQuery data table, bootstrap 4, sweetalert, toastr, Fontawesome etc.

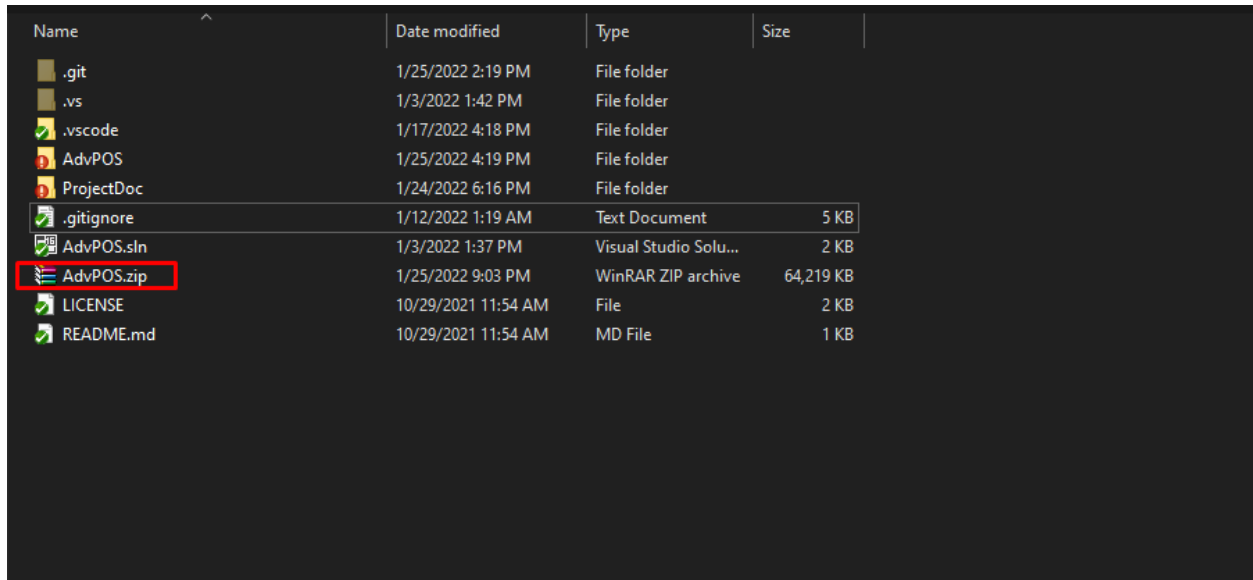
Prerequisite Application:

Microsoft Visual Studio Community 2022 or later, .Net Core 6.0, MS SQL SERVER 2017/MySQL, IIS, Chrome/Edge Browser.

How to run this Project:

Step 1:

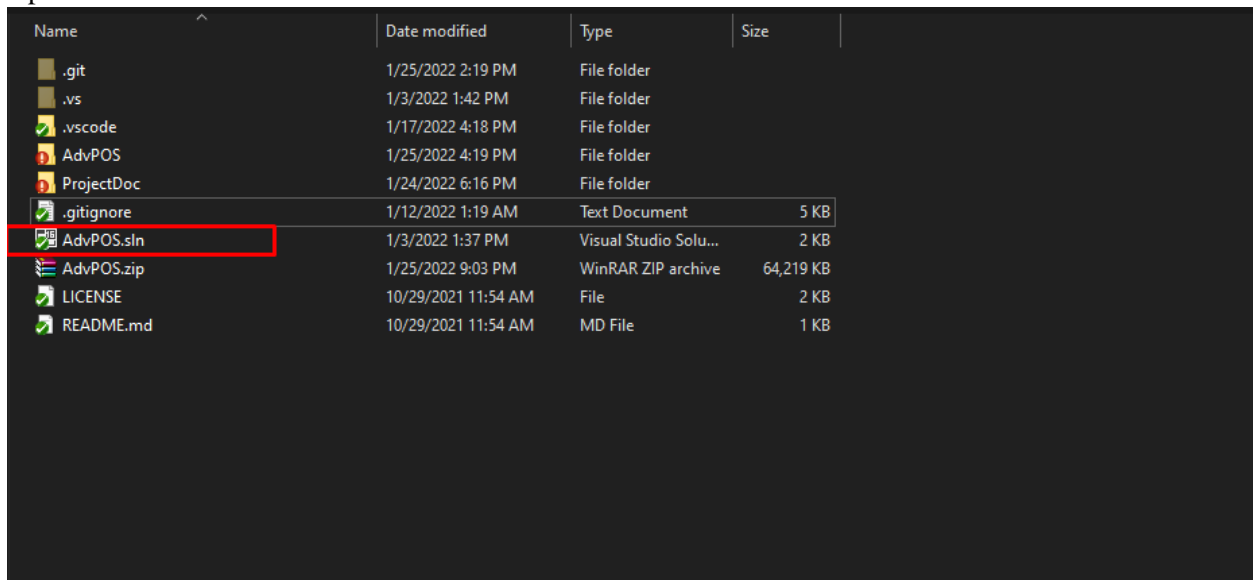
Unzip the downloaded zip folder (AdvPOS.zip)



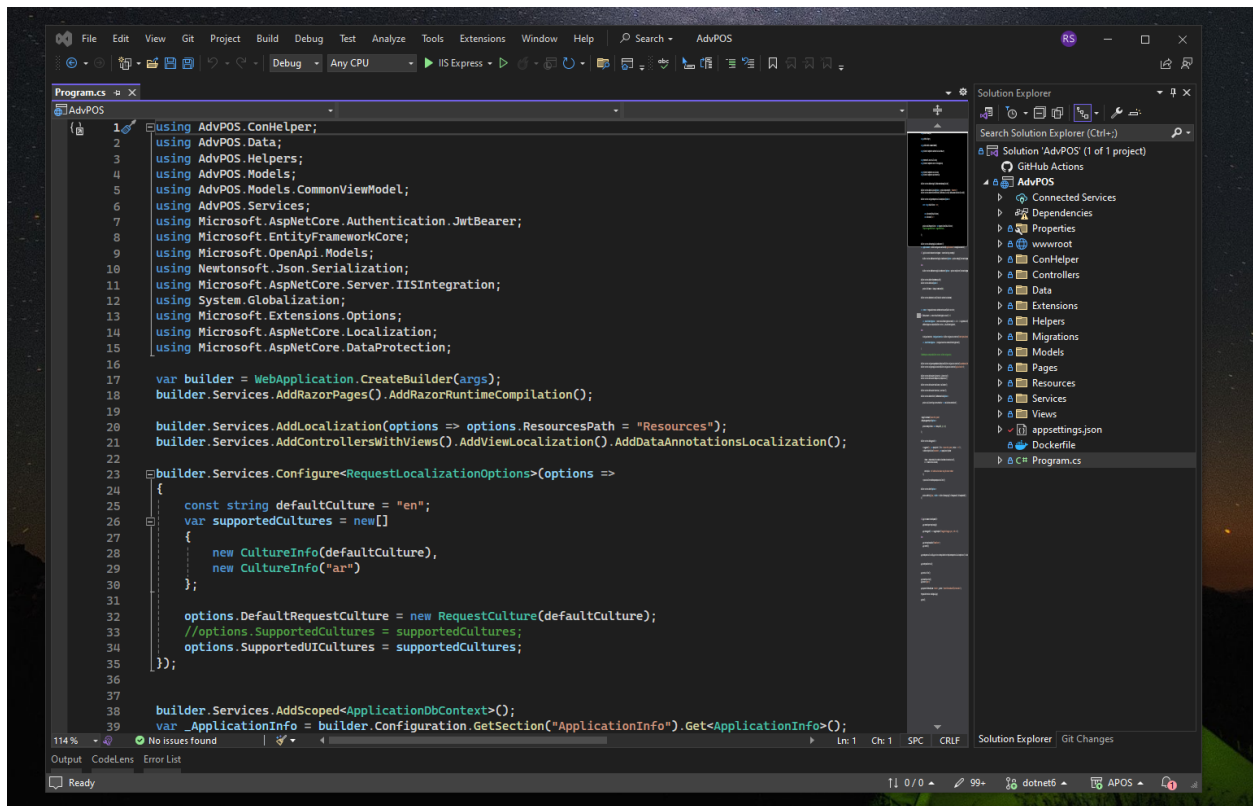
Name	Date modified	Type	Size
.git	1/25/2022 2:19 PM	File folder	
.vs	1/3/2022 1:42 PM	File folder	
.vscode	1/17/2022 4:18 PM	File folder	
AdvPOS	1/25/2022 4:19 PM	File folder	
ProjectDoc	1/24/2022 6:16 PM	File folder	
.gitignore	1/12/2022 1:19 AM	Text Document	5 KB
AdvPOS.sln	1/3/2022 1:37 PM	Visual Studio Solu...	2 KB
AdvPOS.zip	1/25/2022 9:03 PM	WinRAR ZIP archive	64,219 KB
LICENSE	10/29/2021 11:54 AM	File	2 KB
README.md	10/29/2021 11:54 AM	MD File	1 KB

Step 2:

Open AdvPOS.sln file with Visual Studio 2022



Name	Date modified	Type	Size
.git	1/25/2022 2:19 PM	File folder	
.vs	1/3/2022 1:42 PM	File folder	
.vscode	1/17/2022 4:18 PM	File folder	
AdvPOS	1/25/2022 4:19 PM	File folder	
ProjectDoc	1/24/2022 6:16 PM	File folder	
.gitignore	1/12/2022 1:19 AM	Text Document	5 KB
AdvPOS.sln	1/3/2022 1:37 PM	Visual Studio Solu...	2 KB
AdvPOS.zip	1/25/2022 9:03 PM	WinRAR ZIP archive	64,219 KB
LICENSE	10/29/2021 11:54 AM	File	2 KB
README.md	10/29/2021 11:54 AM	MD File	1 KB



Step 3:

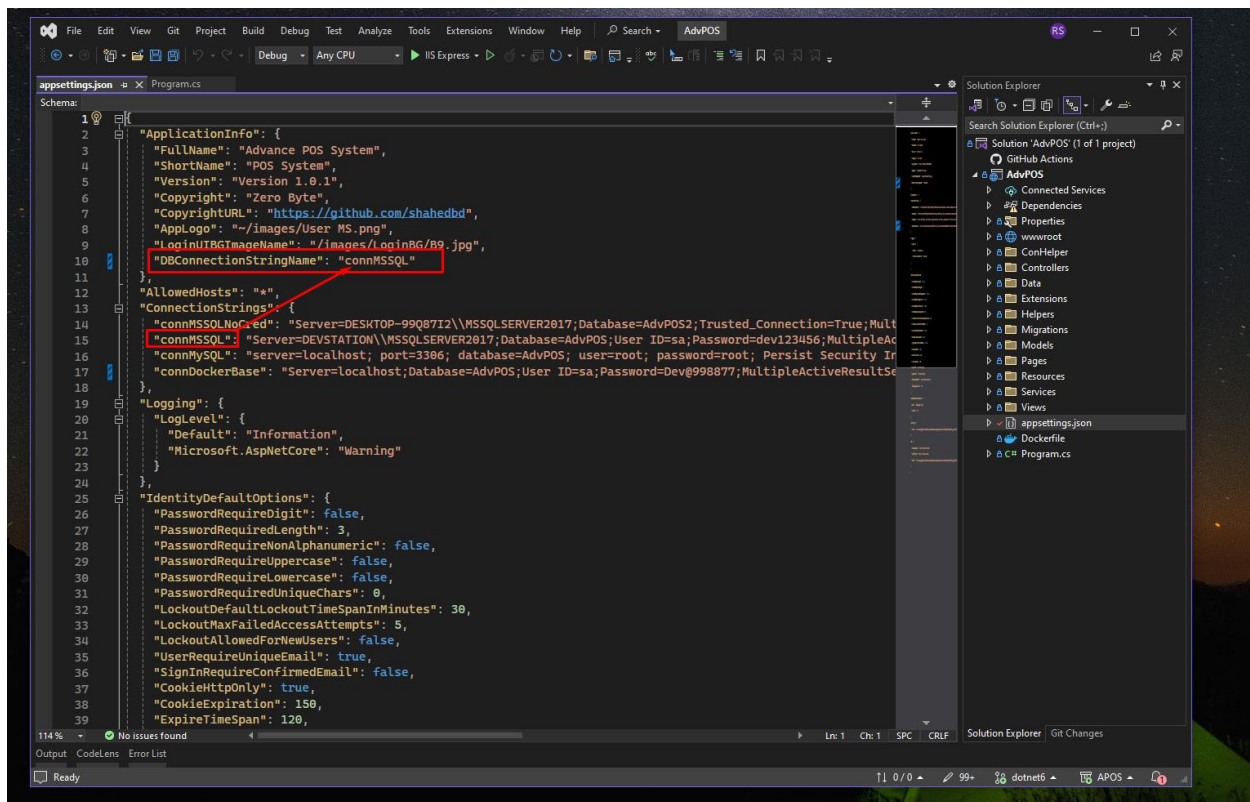
Update database connection: appsettings.json

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

Server=Your MSSQL Server Name

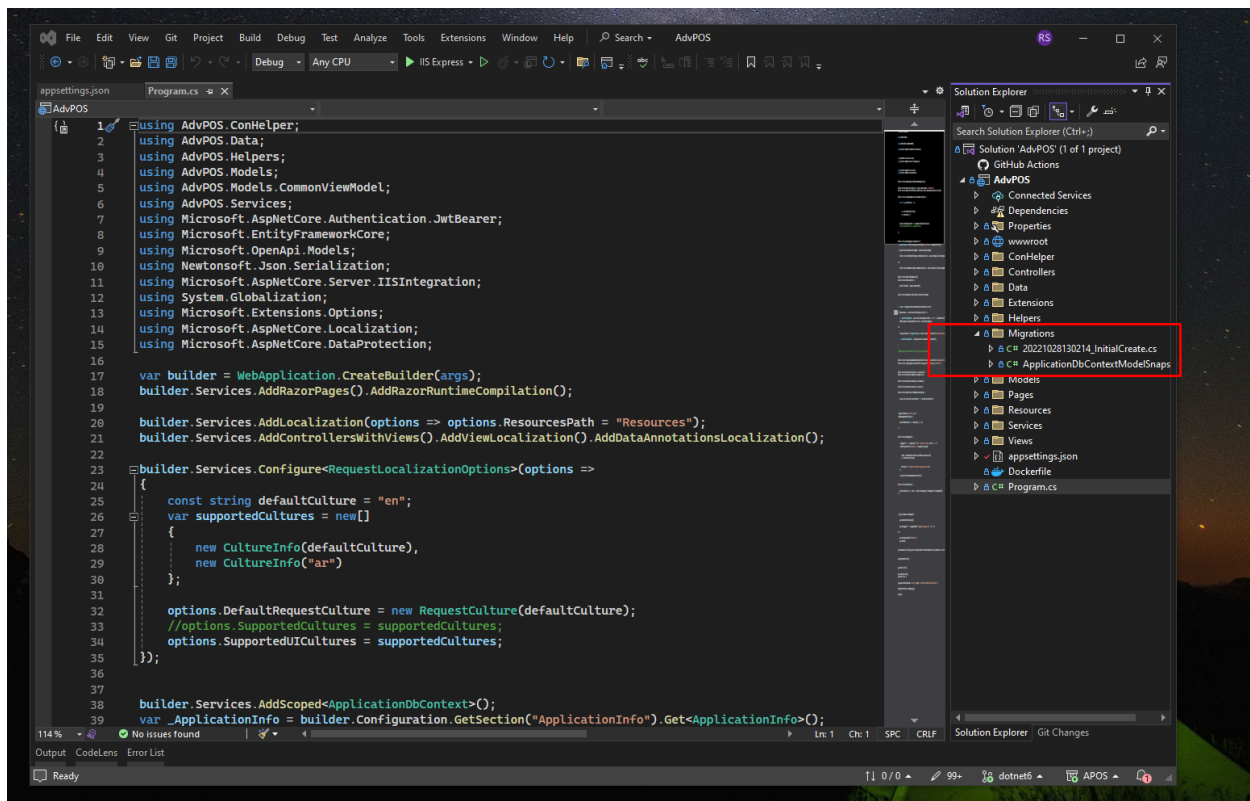
User ID= Your MSSQL Server User Name

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/>

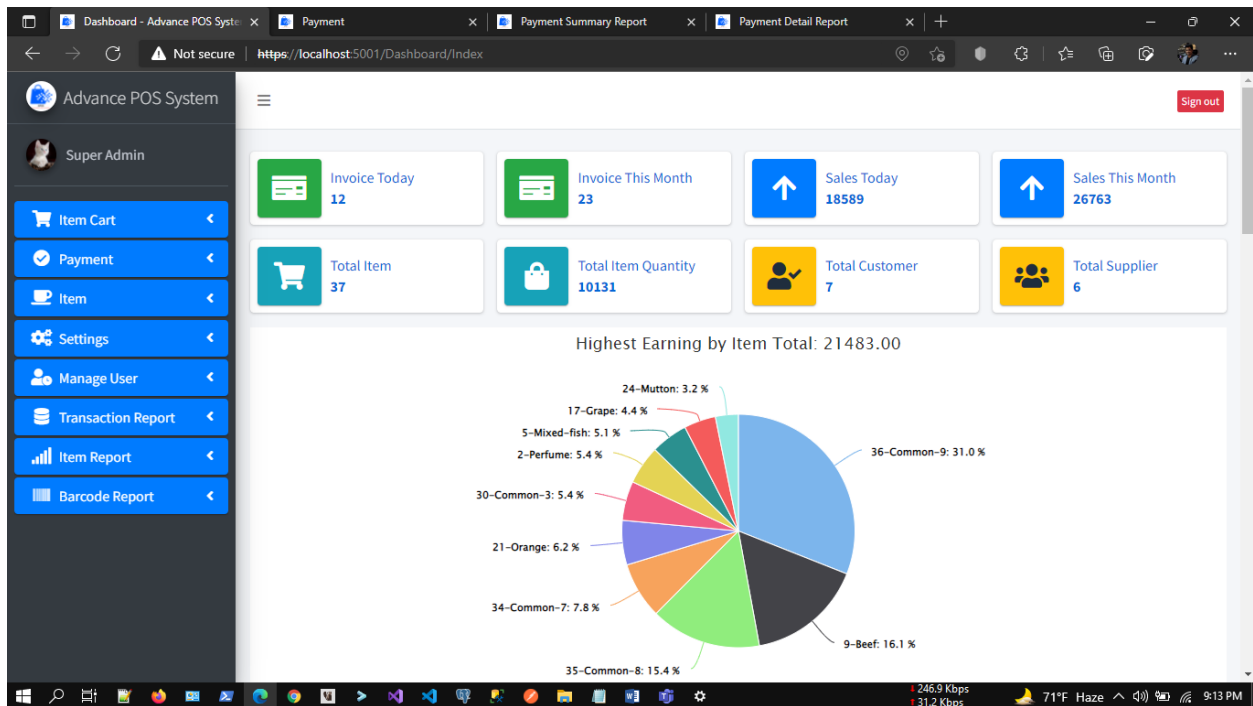
Swagger:

<http://localhost:5000/swagger/index.html>

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.



Payment Summary Report:

Advance POS System

Super Admin

Item Cart

Payment

Item

Settings

Manage User

Transaction Report

Transaction Summary

Transaction Detail

Transaction By Day

Transaction By Month

Transaction By Year

Item Report

Payment Summary Report

Payment

Payment Summary Report

Payment Detail Report

Not secure | https://localhost:5001/Report/PaymentSummaryReport

Sign out

Payment Summary Report

Show 15 rows

Export

Search:

Id	Customer Name	Discount	Tax	Sub Total	Grand Total	Paid Amount	Due Amount	Status	Created Date
24	Walk in Customer	0	0	3300	3300	0	3300	Unpaid	1/25/2022
23	Walk in Customer	0	0	1600	1600	1600	0	Paid	1/25/2022
22	Games Underson	0	0	966	966	966	0	Paid	1/25/2022
20	Games Underson	0	0	559.5	559.5	559.5	0	Paid	1/25/2022
19	Walk in Customer	0	0	299	299	299	0	Paid	1/25/2022
18	Walk in Customer	0	0	1648.5	1648.5	0	1648.5	Unpaid	1/25/2022
17	Walk in Customer	0	0	3991.5	3991.5	0	3991.5	Unpaid	1/25/2022
16	Walk in Customer	0	0	2775	2775	0	2775	Unpaid	1/25/2022
15	Walk in Customer	0	0	1785	1785	0	1785	Unpaid	1/25/2022
14	Albert Einstein	0	0	1245	1245	0	1245	Unpaid	1/25/2022
13	Albert Einstein	0	0	110	110	0	110	Unpaid	1/25/2022
12	Walk in Customer	0	0	310	310	0	310	Unpaid	1/25/2022
11	Zahid Hasan	0	0	378	378	0	378	Unpaid	1/24/2022
10	Mr. Bond	0	0	1018.5	1018.5	1018.5	0	Paid	1/24/2022
9	Games Underson	0	0	178.5	178.5	0	178.5	Unpaid	1/24/2022

Showing 1 to 15 of 23 entries

Previous 1 2 Next

Payment Detail Report:

Advance POS System

Super Admin

Item Cart

Payment

Item

Settings

Manage User

Transaction Report

Transaction Summary

Transaction Detail

Transaction By Day

Transaction By Month

Transaction By Year

Item Report

Payment Detail Report

Payment

Payment Summary Report

Payment Detail Report

Not secure | https://localhost:5001/Report/PaymentDetailReport

Sign out

Payment Detail Report

Show 15 rows

Export

Search:

Id	Payment Id	Item Id	Item Name	Quantity	Unit Prize	Total Amount	Date
65	24	35	Common-8	60	55	3300	1/25/2022
64	23	34	Common-7	39	40	1560	1/25/2022
63	23	34	Common-7	1	40	40	1/25/2022
62	22	15	Egg	2	105	210	1/25/2022
61	22	3	7up	4	115.5	462	1/25/2022
60	22	8	Banana	1	94.5	94.5	1/25/2022
59	22	7	Apple	1	199.5	199.5	1/25/2022
58	21	36	Common-9	1	555	555	1/25/2022
57	20	29	Common-2	1	125	125	1/25/2022
56	20	30	Common-3	1	130	130	1/25/2022
55	20	33	Common-6	1	44	44	1/25/2022
54	20	34	Common-7	1	40	40	1/25/2022
53	20	13	Dairy Milk	1	126	126	1/25/2022
52	20	14	Dove	1	94.5	94.5	1/25/2022
51	19	30	Common-3	1	130	130	1/25/2022

Showing 1 to 15 of 64 entries

Previous 1 2 3 4 5 Next

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Version 1.0.0

Transaction by Month Report:

The screenshot shows the 'Transaction By Month' report in the Advance POS System. The interface includes a sidebar with navigation options like Item Cart, Payment, Item, Settings, Manage User, Transaction Report, Transaction Summary, Transaction Detail, Transaction By Day, Transaction By Month (selected), Transaction By Year, and Item Report. The main content area displays a table with columns: SL, Date, Quantity Sold, Total Trans, Total Earned, and Total Due. The table lists transactions from February 2021 to January 2022, with a total quantity sold of 192, total transactions of 23, total earned of 8905.5, and total due of 17858.25. The footer shows the copyright notice 'Copyright © 2021-2022 Zero Byte. All rights reserved.' and the version 'Version 1.0.0'.

SL	Date	Quantity Sold	Total Trans	Total Earned	Total Due
1	January-2022	192	23	8905.5	17858.25
2	December-2021	0	0	0	0
3	November-2021	0	0	0	0
4	October-2021	0	0	0	0
5	September-2021	0	0	0	0
6	August-2021	0	0	0	0
7	July-2021	0	0	0	0
8	June-2021	0	0	0	0
9	May-2021	0	0	0	0
10	April-2021	0	0	0	0
11	March-2021	0	0	0	0
12	February-2021	0	0	0	0
		Σ: 192	Σ: 23	Σ: 8905.5	Σ: 17858.25

Item: Highest Earning Report:

The screenshot shows the 'Item: Highest Earning' report in the Advance POS System. The sidebar navigation includes Item Cart, Payment, Item, Settings, Manage User, Transaction Report, High In Demand, Low In Demand, Highest Earning (selected), Lowest Earning, and Barcode Report. The main content area displays a table with columns: SL, Item Name, and Total. The table lists 20 items, with '36-Common-9' having the highest total earning of 6660. The footer shows the copyright notice 'Copyright © 2021-2022 Zero Byte. All rights reserved.' and the version 'Version 1.0.0'.

SL	Item Name	Total
1	36-Common-9	6660
2	9-Beef	3465
3	35-Common-8	3300
4	34-Common-7	1680
5	21-Orange	1323
6	30-Common-3	1170
7	2-Perfume	1155
8	5-Mixed-fish	1102.5
9	17-Grape	945
10	24-Mutton	682.5
11	10-Chicken	630
12	29-Common-2	625
13	6-Multi-plug	577.5
14	13-Dairy Milk	504
15	16-Garlic	472.5
16	3-7up	462
17	25-Mixed Nut	420
18	15-Egg	315
19	23-Tomatto	315
20	7-Apple	199.5

Demo Video Preview

<https://youtu.be/8MscStpYxtE>

App Screenshot:

<https://photos.app.goo.gl/HPL8babMdwGBcpWSA>

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

Required Installations:

1. Install Visual Studio 2022 Community Edition | IDE

<https://visualstudio.microsoft.com/vs/community/>

or vs code latest

<https://code.visualstudio.com/>

2. Dotnet SDK 6.0 | .NET Lib

<https://dotnet.microsoft.com/en-us/download/dotnet/6.0>

or

<https://dotnet.microsoft.com/en-us/download/dotnet/thank-you/sdk-6.0.201-windows-x64-installer>

2.1 Hosting Bundle | For IIS Hosting

<https://dotnet.microsoft.com/en-us/download/dotnet/thank-you/runtime-aspnetcore-6.0.25-windows-hosting-bundle-installer>

3. MSSQL Server 2017 or earlier | Data

<https://www.microsoft.com/en-us/sql-server/sql-server-2017>

<https://www.microsoft.com/en-us/sql-server/sql-server-downloads>

<https://go.microsoft.com/fwlink/p/?linkid=2216019&clcid=0x409&culture=en-us&country=us>

4. Download SSMS: Management Studio : SQL Client

<https://aka.ms/ssmsfullsetup>

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

→📱 WhatsApp: +8801674411603

🔊 Telegram: shahed71bd

🔊 Skype: shahedatomap

✉ Email: shahedbddev@gmail.com

🌐 Web: <https://netspeedm.com/>

Youtube: <https://www.youtube.com/channel/UCdHAVwuNUtfqZRFVI6qf7mg>