

Hospital Management System -User Manual

Hospital Management System is a complete and multi-functional hospital or medical center management system, build using ASP.NET Core.

The system can provide an automated way of managing any hospital activities rather than a traditional system. Moreover, this system can operate regular hospital activities like inpatient, outpatient, billing, test, bed management, account sector, etc. accurately and efficiently. Also, it helps to generate the daily, weekly, monthly, half-yearly, and yearly reports of sales, revenue, patients, lab test, bed management, etc. as your requirement easily. To see these reports, you need to click on some options.

The most important thing is that an admin can observe everyone through the software. An internal messaging platform helps employees to communicate with each other as well. All in all, clinic management software helps you to be with trends, and it also gives you the chance to run your business administration digitally and very efficiently.

Major Features

- Registration of patient
- Check the schedule and set an appointment
- Consult with doctor
- Print prescription
- Patient case study
- Perform medical test
- Dynamic Invoice System
- Dynamic user account type
- Records of diagnostics and reports
- Company setup
- Currency setup
- User login history
- Dynamic dashboard

Technologies:

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

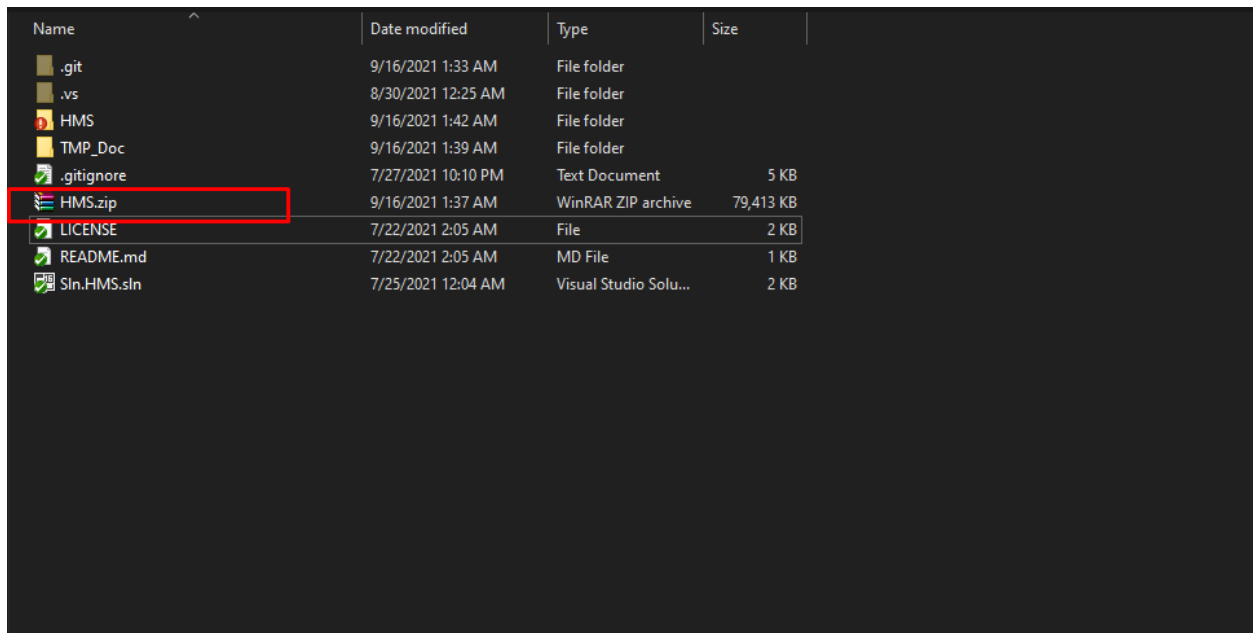
Prerequisite Application:

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

How to run this Project:

Step 1:

Unzip the downloaded zip folder (HMS.zip)

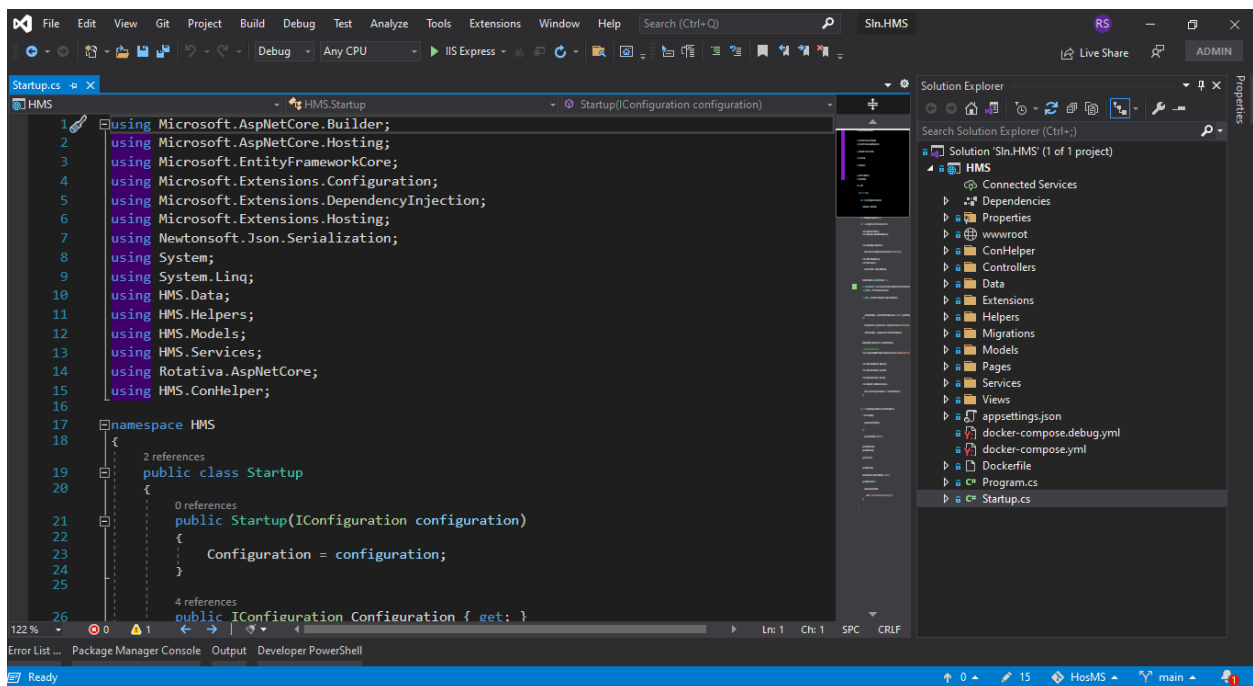


Name	Date modified	Type	Size
.git	9/16/2021 1:33 AM	File folder	
.vs	8/30/2021 12:25 AM	File folder	
HMS	9/16/2021 1:42 AM	File folder	
TMP_Doc	9/16/2021 1:39 AM	File folder	
.gitignore	7/27/2021 10:10 PM	Text Document	5 KB
HMS.zip	9/16/2021 1:37 AM	WinRAR ZIP archive	79,413 KB
LICENSE	7/22/2021 2:05 AM	File	2 KB
README.md	7/22/2021 2:05 AM	MD File	1 KB
Sln.HMS.sln	7/25/2021 12:04 AM	Visual Studio Solu...	2 KB

Step 2:

Open Sln.HMS.sln file with Visual Studio 2019

Name	Date modified	Type	Size
.git	9/16/2021 1:33 AM	File folder	
.vs	8/30/2021 12:25 AM	File folder	
HMS	9/16/2021 1:42 AM	File folder	
TMP_Doc	9/16/2021 1:39 AM	File folder	
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LICENSE	7/22/2021 2:05 AM	File	2 KB
README.md	7/22/2021 2:05 AM	MD File	1 KB
Sln.HMS.sln	7/25/2021 12:04 AM	Visual Studio Solu...	2 KB



Step 3:

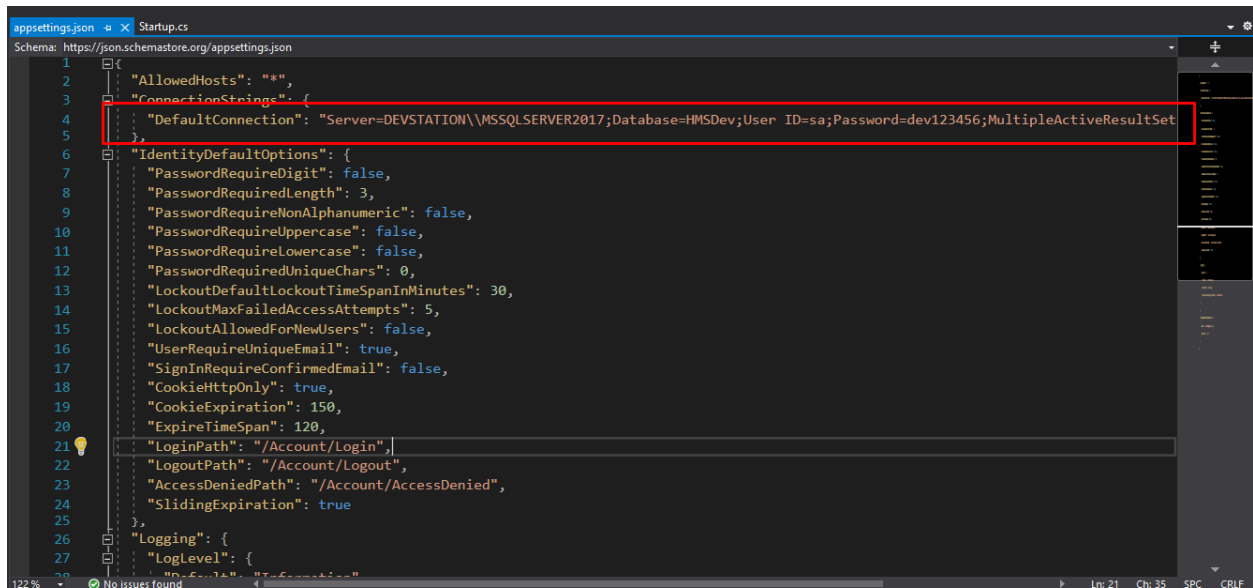
Update database connection: appsettings.json

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

Server=Your MSSQL Server Name

User ID= Your MSSQL Server User Name

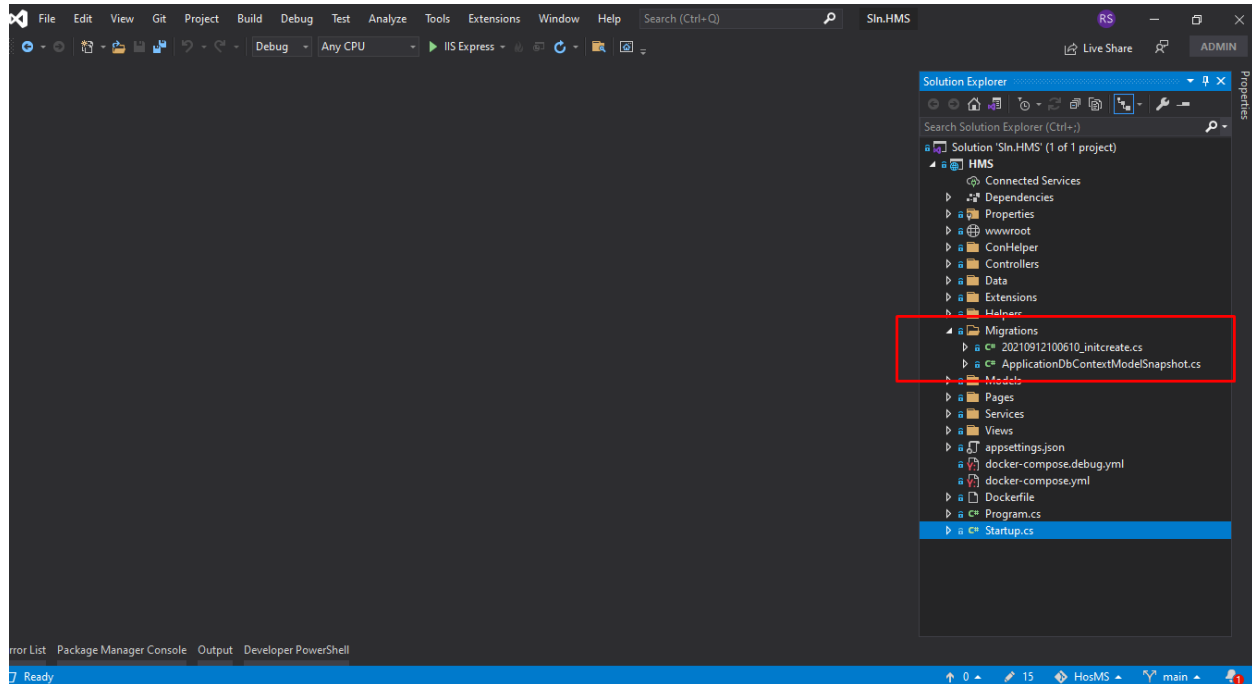
Password= Your MSSQL Server User Password



```
1  {
2    "AllowedHosts": "*",
3    "ConnectionStrings": {
4      "DefaultConnection": "Server=DEVSTATION\\MSSQLSERVER2017;Database=HMSDev;User ID=sa;Password=dev123456;MultipleActiveResultSet
5    },
6    "IdentityDefaultOptions": {
7      "PasswordRequireDigit": false,
8      "PasswordRequiredLength": 3,
9      "PasswordRequireNonAlphanumeric": false,
10     "PasswordRequireUppercase": false,
11     "PasswordRequireLowercase": false,
12     "PasswordRequiredUniqueChars": 0,
13     "LockoutDefaultLockoutTimeSpanInMinutes": 30,
14     "LockoutMaxFailedAccessAttempts": 5,
15     "LockoutAllowedForNewUsers": false,
16     "UserRequireUniqueEmail": true,
17     "SignInRequireConfirmedEmail": false,
18     "CookieHttpOnly": true,
19     "CookieExpiration": 150,
20     "ExpireTimeSpan": 120,
21     "LoginPath": "/Account/Login",
22     "LogoutPath": "/Account/Logout",
23     "AccessDeniedPath": "/Account/AccessDenied",
24     "SlidingExpiration": true
25   },
26   "Logging": {
27     "LogLevel": {
28       "Default": "Information",
29       "Microsoft.AspNetCore": "Warning"
30     }
31   }
32 }
```

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

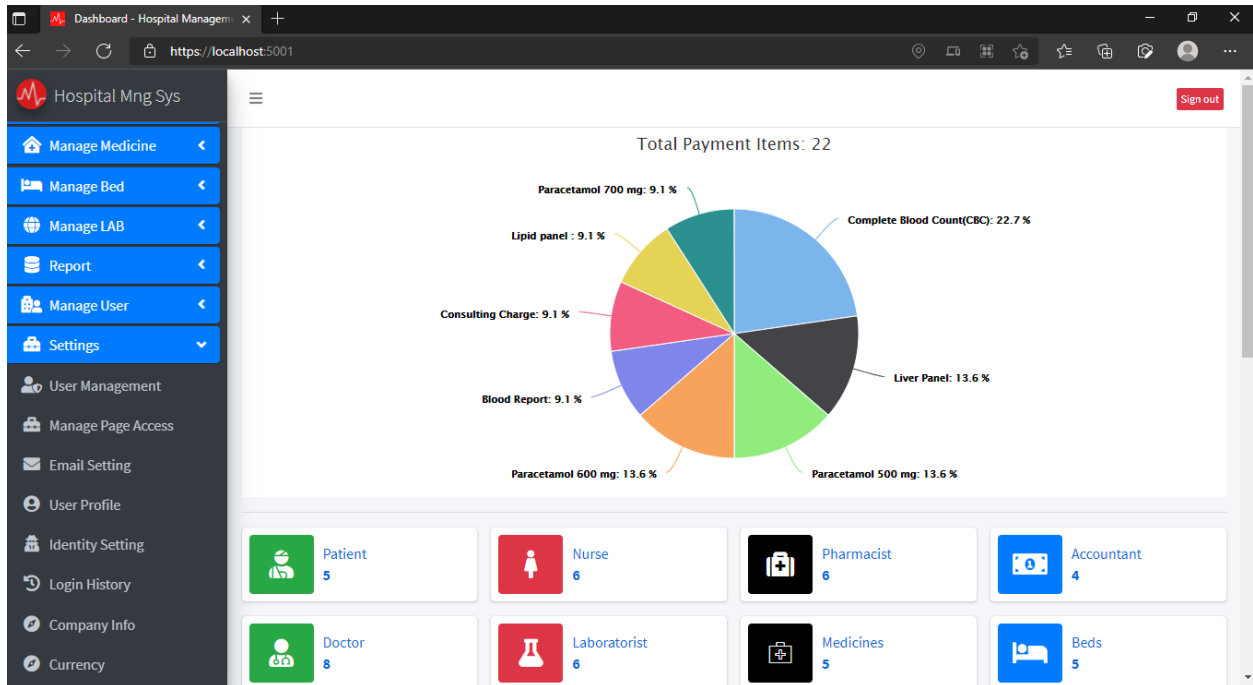
5.2: Run application by pressing f5

<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.



Sample PDF Report:

The screenshot shows the 'PrintPaymentInvoice' page. The invoice is for 'XYZ HOSPITAL' and is addressed to 'Ms Clinton'. The invoice details are as follows:

From, ST HOSPITAL		Invoice No: INV20210912161420975		To, Ms Clinton	
PO BOX 129292		Payment Status: Unpaid		Patient Code: P20210912160755	
Mobile: 132546789		Mode Of Payment:		Blood Group: AB+	
Email: XYZ@GMAIL.COM		Payment Ref No:		Phone: 017889977000	
Website: www.wyx.com		Currency: US Dollar		Address: California, USA	
				Print Date : 16 September 2021	

The 'Payment Item Details' table is as follows:

ID	Item Categories	Quantity	Unit Price	Charge Amount
2	Complete Blood Count(CBC)	1	200	200
3	Liver Panel	1	400	400
1	Paracetamol 500 mg [When:1-1-1, Days: 3]	9	10	90

Summary table:

Common Charge	0
Discount(%)	0

Demo Video Preview

<https://youtu.be/63Oueiy1FTw>

App Screenshot: <https://cutt.ly/IW6MDOP>

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
```

Tutorials:

IIS Deployment: <https://www.youtube.com/watch?v=2eI2EaII3PY&>

DB Connection: <https://www.youtube.com/watch?v=2Mv4-S-Cdw0&>

MySQL DB Connection: <https://www.youtube.com/watch?v=dt4M4SpgR5o>

ASP.NET Full Stack Development Video Series:

<https://www.youtube.com/playlist?list=PLe8xdXIVhkWhvHqt6A3t8AKMjSkPVcJZ4>

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>