Setup Guide for Library management system- Chamuditha Heshan

Expertenic Assessment

1. Clone the repository using this link : https://github.com/chamuditha01/Library-Management-System.git
   By running '**git clone** https://github.com/chamuditha01/Library-Management-System.git'
   command in in git bash or using GitHub desktop.

Initiate the frontend

2. Then open the '**library**' folder from vs code. Then run '**npm install**' command in terminal. After that, run '**npm start**' command.
3. Then you can access the front end at https://localhost:3000.

Initiate backend

4. Open '**LibraryManagementBackend**' folder from Visual studio. After, click on '**LibraryManagementBackend.sln**' file.
5. Go to **Package Manager Console** and run following commands to install packages.

   Install-Package Serilog -Version 4.1.0
   Install-Package Google.Apis.Auth -Version 1.68.0
   Install-Package Serilog.AspNetCore -Version 8.0.3
   Install-Package Serilog.Sinks.File -Version 6.0.0
   Install-Package Microsoft.EntityFrameworkCore -Version 8.0.10
   Install-Package System.IdentityModel.Tokens.Jwt -Version 8.2.0
   Install-Package Microsoft.AspNetCore.Authentication -Version 2.2.0
   Install-Package Microsoft.AspNetCore.Authentication.JwtBearer -Version 8.0.10
   Install-Package Microsoft.EntityFrameworkCore.Sqlite -Version 8.0.10
   Install-Package Swashbuckle.AspNetCore -Version 6.4.0
   Install-Package BCrypt.Net-Next -Version 4.0.3
   Install-Package Microsoft.AspNetCore.Authentication.Cookies -Version 8.0.10
   Install-Package Serilog.Sinks.Console -Version 6.0.0
   Install-Package Microsoft.Extensions.Logging.Console -Version 8.0.1
   Install-Package Microsoft.EntityFrameworkCore.Tools -Version 8.0.10

```
PM> Get-Package

Id                                        Versions          ProjectName
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Serilog                                   {4.1.0}           LibraryManagementBackend
Google.Apis.Auth                          {1.68.0}          LibraryManagementBackend
Serilog.AspNetCore                        {8.0.3}           LibraryManagementBackend
Serilog.Sinks.File                        {6.0.0}           LibraryManagementBackend
Microsoft.EntityFrameworkCore             {8.0.10}          LibraryManagementBackend
System.IdentityModel.Tokens.Jwt           {8.2.0}           LibraryManagementBackend
Microsoft.AspNetCore.Authenticat... {2.2.0}                 LibraryManagementBackend
Microsoft.AspNetCore.Authenticat... {8.0.10}                LibraryManagementBackend
Microsoft.EntityFrameworkCore.Sq... {8.0.10}                LibraryManagementBackend
Swashbuckle.AspNetCore                    {6.4.0}           LibraryManagementBackend
BCrypt.Net-Next                           {4.0.3}           LibraryManagementBackend
Microsoft.AspNetCore.Authenticat... {8.0.10}                LibraryManagementBackend
Serilog.Sinks.Console                     {6.0.0}           LibraryManagementBackend
Microsoft.Extensions.Logging.Con... {8.0.1}                 LibraryManagementBackend
Microsoft.EntityFrameworkCore.Tools {8.0.10}       |        LibraryManagementBackend
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6. Then run the project as https from run button top tool bar.
7. Now you can Run library management system.
8. On https://localhost:3000 , loads the landing page. Then click get started button. Then click signup link.
9. Give Email, password , Confirm password and name and signup. Then it automatically redirects to login.
10. Give Credentials and log into the page.
11. Now you can do the crud operations on the library management system. And also can view your details.