

Setup Guide for Library management system- Chamuditha Heshan

Expernetic 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 to download and install dependencies. After that, run '**npm start**' command.
3. Then you can access the front end at <https://localhost:3000>.

Initiate backend

4. Open Visual studio and click on '**Open project or solution**'. After that, select '**LibraryManagementBackend.sln**' file on LibraryManagementBackend Folder.
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 |
|--|----------|--------------------------|
| -- | ----- | ----- |
| 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.Authentication... | {2.2.0} | LibraryManagementBackend |
| Microsoft.AspNetCore.Authentication... | {8.0.10} | LibraryManagementBackend |
| Microsoft.EntityFrameworkCore.Sql... | {8.0.10} | LibraryManagementBackend |
| Swashbuckle.AspNetCore | {6.4.0} | LibraryManagementBackend |
| BCrypt.Net-Next | {4.0.3} | LibraryManagementBackend |
| Microsoft.AspNetCore.Authentication... | {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 |

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.