Module Management System

This repository contains the source code for the Module Management System, a web application for managing study modules, recording study hours, and calculating remaining hours.

Prerequisites

Before you can compile and run the software, make sure you have the following prerequisites installed on your machine:

- .NET Framework: Download and install the [.NET Framework](https://dotnet.microsoft.com/download).

- SQL Server : Download and install [SQL Server](https://www.microsoft.com/en-us/sql-server/sql-server-downloads).

## Database Setup

1. Open SQL Server Management Studio and connect to your SQL Server instance.

2. Execute the SQL script provided in the `DatabaseScript.sql` file in the "Database" folder. This script will create the necessary database (`MANAGEMENT\_APP`) and tables.

3. Update the connection string in the `MODULE` class (`MODULE.aspx.cs` file) to match your SQL Server instance. Locate the following line:

``` csharp string connectionString = "Data Source=YOUR\_SERVER\_NAME;Initial Catalog=MANAGEMENT\_APP;Integrated Security=True;Encrypt=True"; ```

Replace `YOUR\_SERVER\_NAME` with the name of your SQL Server instance.

Compiling and Running the Software

Follow these steps to compile and run the Module Management System:

1. Open the solution file (`ModuleManagementSystem.sln`) in Visual Studio.

2. Build the solution by selecting "Build" > "Build Solution" from the menu.

3. Set the `MODULE` project as the startup project. Right-click on the `MODULE` project in Solution Explorer and select "Set as StartUp Project."

4. Run the application by pressing `F5` or selecting "Debug" > "Start Debugging" from the menu.

5. The web application will launch in your default web browser.

Using the Module Management System

1. Navigate through the website to add modules, record study hours, and calculate remaining hours.

2. Follow the instructions provided in the [User Manual](user-manual) for detailed guidance on using the system.

User Manual

For detailed instructions on using the Module Management System, refer to the [User Manual](user-manual) provided in the documentation.