User Manual: Study Tracker

Version 1.0

1. Introduction:

Welcome to the Study Tracker application! This web based time management tool is designed to help you manage your study time efficiently during the semester. The application is built using C# and ASP DotNet Core for a user-friendly experience.

2. Build Instructions:

Before you start using the Study Tracker application, follow these setup steps to ensure a smooth experience:

1. Open SSMS (SQL Server Management Studio) on your computer and login.

2. Open the Project Solution in Visual Studio:

- Launch Visual Studio on your computer.
- Open the Study Tracker project solution.

3. Open the Package Manager Console:

- In Visual Studio, navigate to 'View' > 'Other Windows' > 'Package Manager Console.'

4. Run Migration Commands:

- In the Package Manager Console, run the following commands:
  - `Add-Migration V1`
  - `Update-Database`

5. Rebuild the Project:

- After running the migration commands, rebuild the project to establish the connection between the website and the database.

6. Libraries Used:

- The Study Tracker application utilizes the following external library for graphical representation:
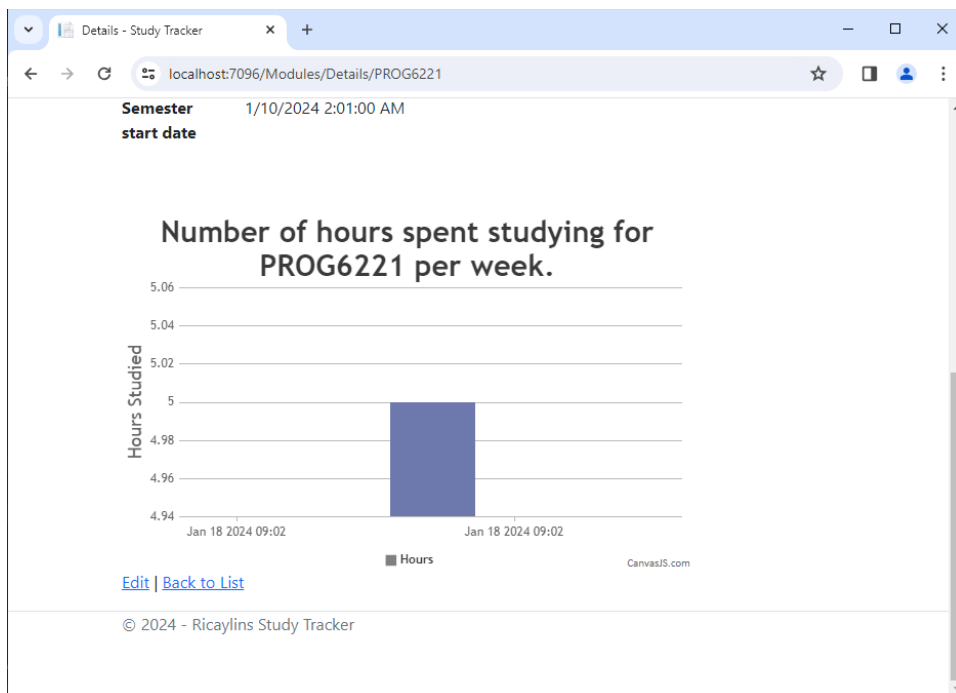 - **CanvasJS:** Used to display interactive graphs within the application.

Note: Make sure that you have the necessary permissions and configurations in SSMS to successfully run the migration commands and update the database.

3. Features:

To enhance your experience with the Study Tracker, explore the graphical representation of your study data using CanvasJS graphs. Visualizing your study progress can provide valuable insights into your study habits and help you plan more effectively.

Feel free to explore CanvasJS documentation for more customization options and features.

Congratulations! Your Study Tracker application is now set up and ready to help you manage your study time effectively. Happy studying!

4. Register / Login

Register a new account or login using an existing one

5. Adding Modules:

Module Information:

- Click on the "Add Module" button to enter details for each module:
  - Code (e.g., PROG6212)
  - Name (e.g., Programming 2B)
  - Number of Credits (e.g., 15)
  - Class Hours per Week (e.g., 5)

Semester Details:

- Enter the number of weeks in the semester and provide the start date for the first week.

6. Self-Study Calculation:

Weekly Requirements:

- The software will calculate and display the number of self-study hours required for each module per week using the formula:
  - Self-Study Hours per Week = (Number of Credits × 10 / Number of Weeks) - Class Hours per Week

Recording Study Hours:

- Record the number of hours spent on a specific module on a particular date by selecting the module and entering the study hours.
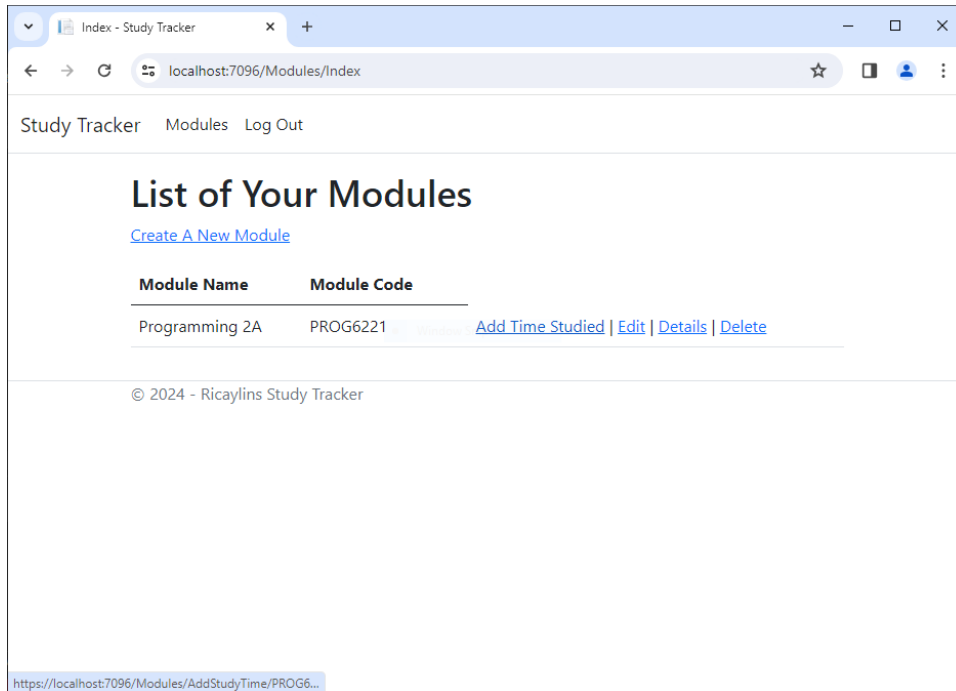
7. Dashboard:

Module List:

- View a list of all modules added, including their details and the calculated self-study hours per week.

Remaining Self-Study Hours:

- The dashboard displays how many self-study hours remain for each module for the current week, based on recorded study hours.

8. Contact Information:

- For further assistance or feedback, contact our support team at st10083902@vcconnect.edu.za

9. Conclusion:

Congratulations! You are now ready to make the most of your study time using the Study Tracker application. We hope it enhances your productivity and helps you achieve academic success. Happy studying!