Josh Mkhari

Student number: 20104681

PATHWAY: PROG6212

Lecturer: Michael Mapundu

17 December 2021


Programming POE Manual

TABLE OF CONTENTS

1. Introduction

This user manual is intended to be used with the 20104681JoshMkhariPOE. Any action on any page within the web application that results in a failure will simply reload the page and any incorrect data will be discarded.
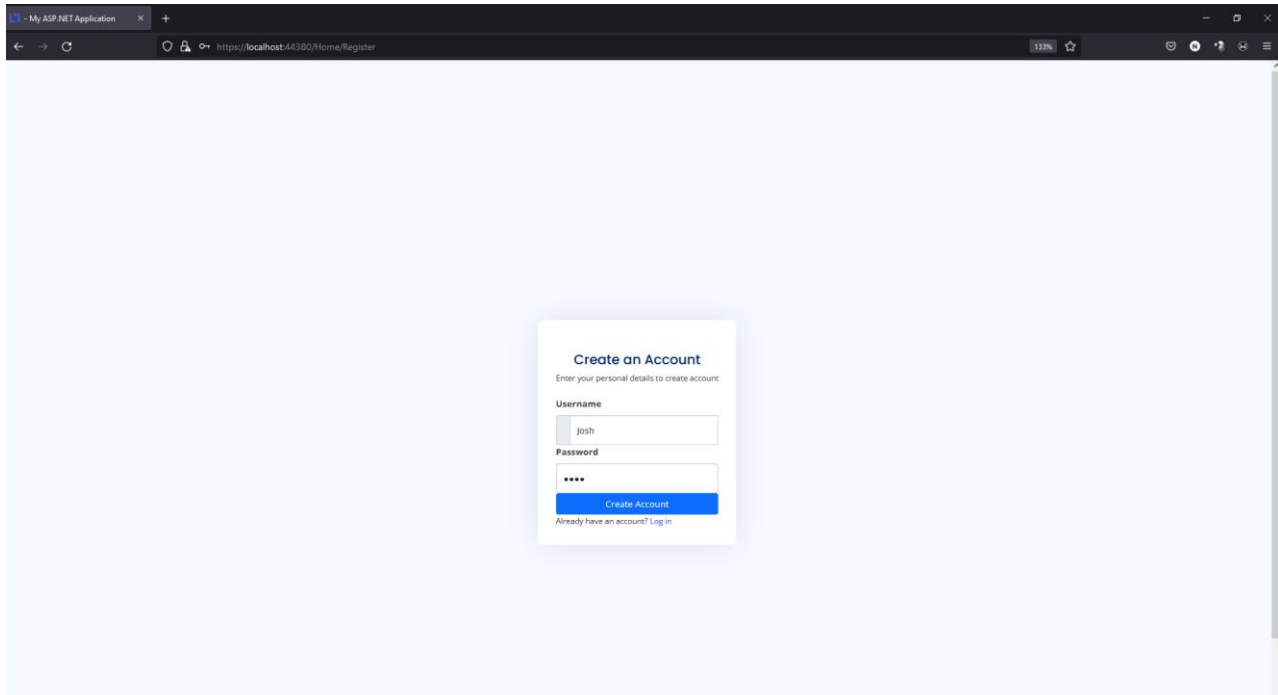
2. User Account Creation

Login/Register)

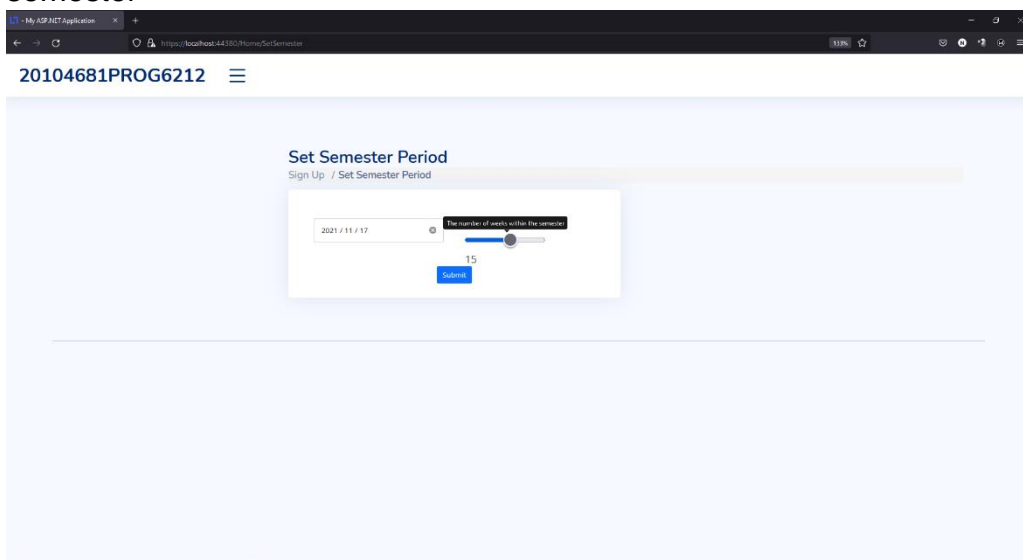Once the web app loads the user will be greeted with the following view
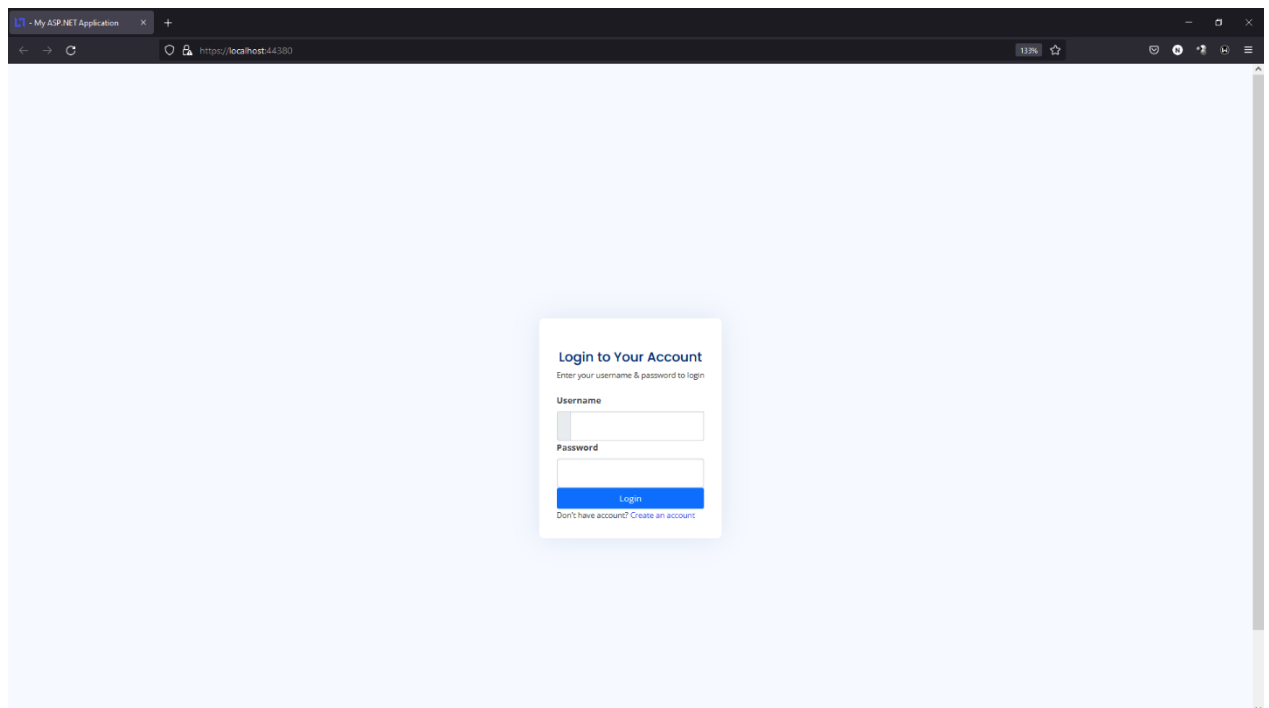
The user is now able to either login if they have already created an account or simply choose the **Create an account** option. Any attempt to login that results in a failure will simply have the web-application reload the page.

The user will then be greeted with the Register view where they are able to type out a username they wish to use to login with and a password.

Set Semester

If a user is creating an account the following view will become available where a user can select a Date for the semester and the number of weeks within the semester
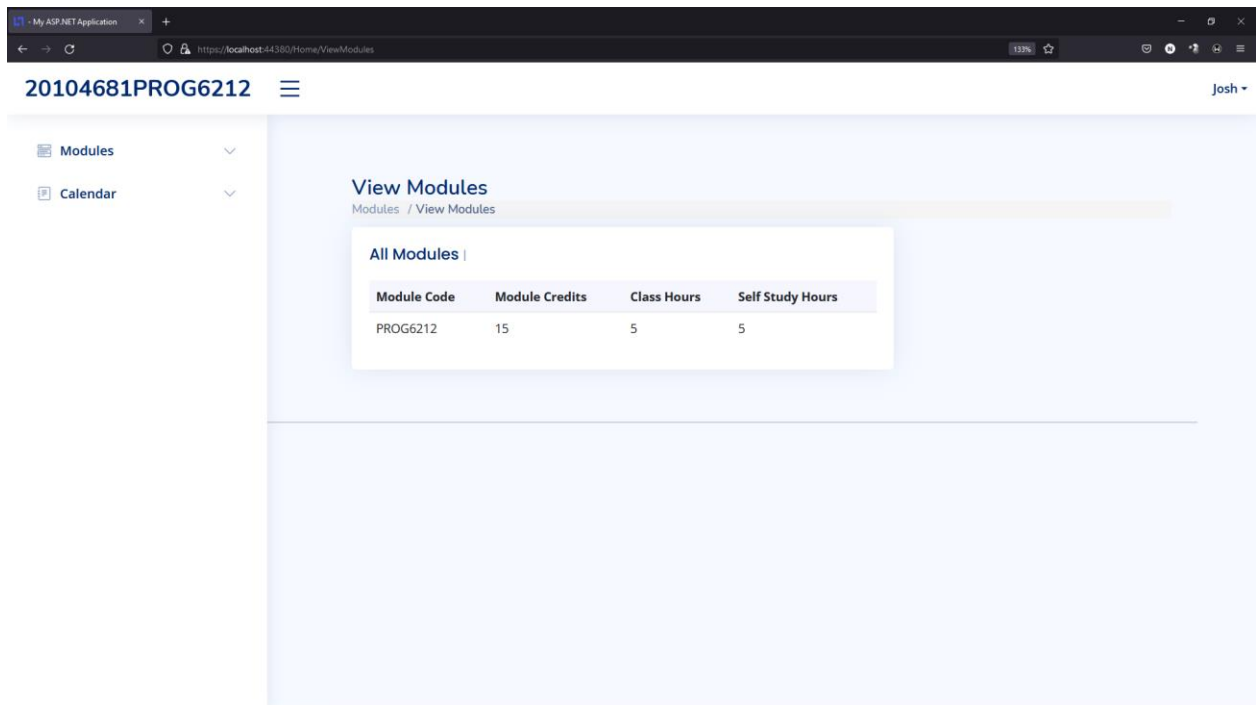
3. Modules

Add Module.

The Add Module page is used to add a module to the users' data. The process involves the inputting and selecting data in the following fields

3. Module Code
   a. This will require the user to enter a 6-character module code
   b. With the first 4 characters being Capital letters
   c. The last 4 characters being numeric values
      i. Example: CLDV6212
   d. Failure for a user to input the correct data will result in the page reloading and their data not being stored.
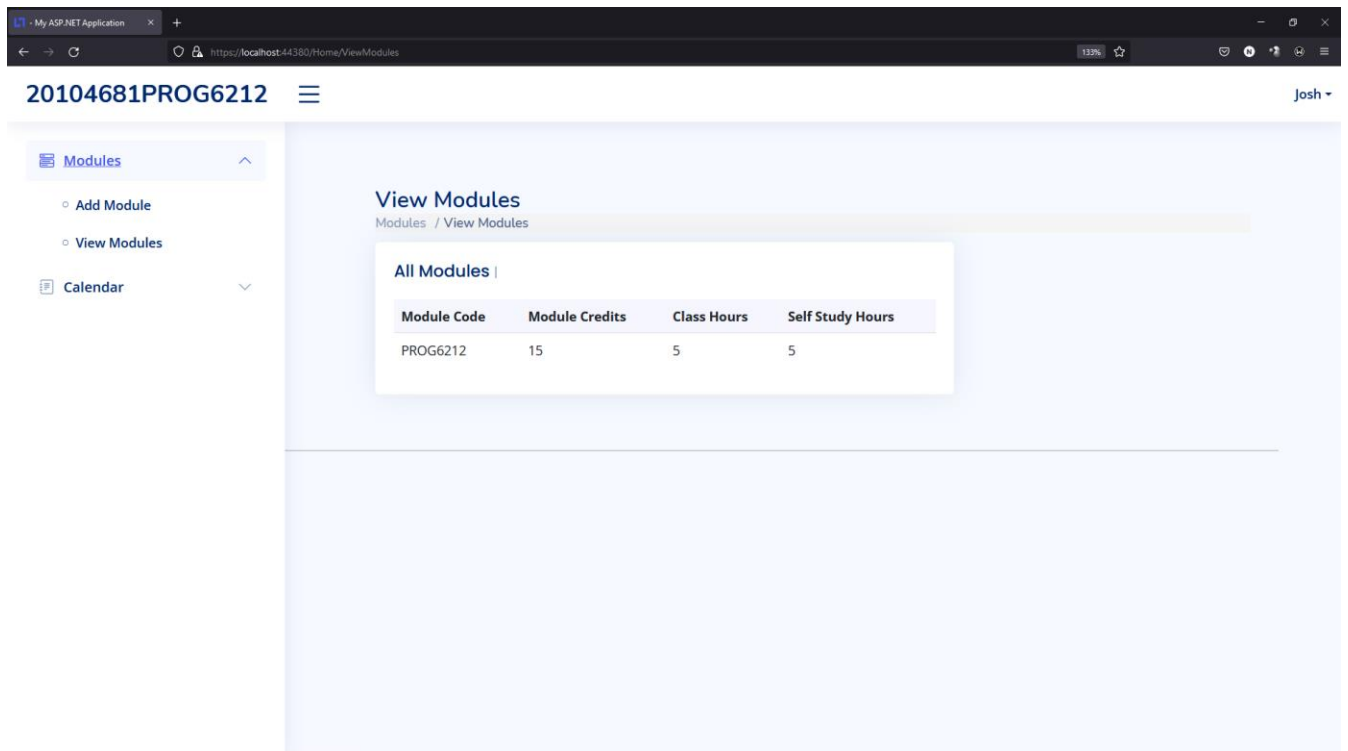
Once the user clicks submit, they will be redirected to the **View Modules** view.
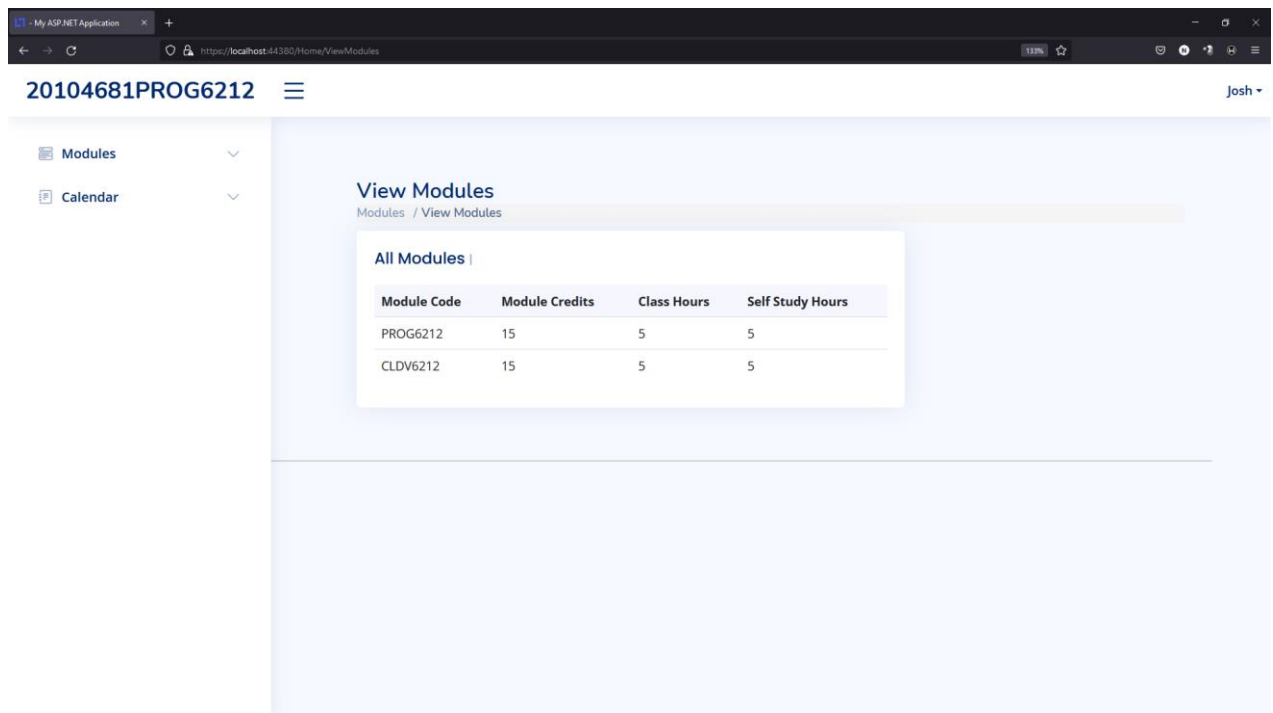
View Modules

The View Modules page will simply display a list of modules and the calculated self-study hours for each module. In the above image the application currently has exactly 1 module added.

Modules Dropdown Sidebar

The user is capable of clicking on the Modules dropdown to access the quick menu to move between the **Add Module** and **View Modules** pages.

If a user adds another module with the same information the same calculation will be made and the view modules page will now show 2 modules.

3. Calendar

View/Add Planned Study Session

For any new user, even a user named new, this page will initially be empty as they have not set any study days. To add a session, all a user has to do is click on the date picker and select a date from it in order to add a session. If the user does not select a date, the web app will simply reload this page.

Select Modules

The Select Modules page will load up and offer the user the option to select a module which will trigger a dropdown that will display only the modules they have already added to their specific account. The user will then set the number of hours they wish to study.

Populated Study Dates

Returning to the user Josh. I have already added multiple study dates for the purposes of this example. The data that has been inputted will be shown below for each date.

18 November 2021

- CLDV6212 with hours of 2
- PROG6212 with hours of 2

19 November 2021

- PROG6212 with hours of 1

22 November 2021

- PROG6212 with hours of 6

30 November 2021

- CLDV6212 with hours of 3

Data for Selected Date

Once a user selects a module within the row of a specified date, the 2 boxes below are populated with the relevant data for each module. As the PROG6212 module was selected and as stated above the value stored was 2, the Hours remaining for the week reflect 2. You may be wondering that the recommended study hours for PROG6212 reflected 5 and yet the remaining hours for the week show 2 instead of 3. The simple answer is that at some point in this week of the 18th of November the user studies PROG6212 again and only studies for 1 hour which is the missing hour.

Selecting the last date and choosing the only module stored for that date which is CLDV6212. The user will find that the hours stored are 3 as is also reflected above. The Study Dates table allows the user to select a module from the dropdown of the corresponding date that they are interested in.

Graph
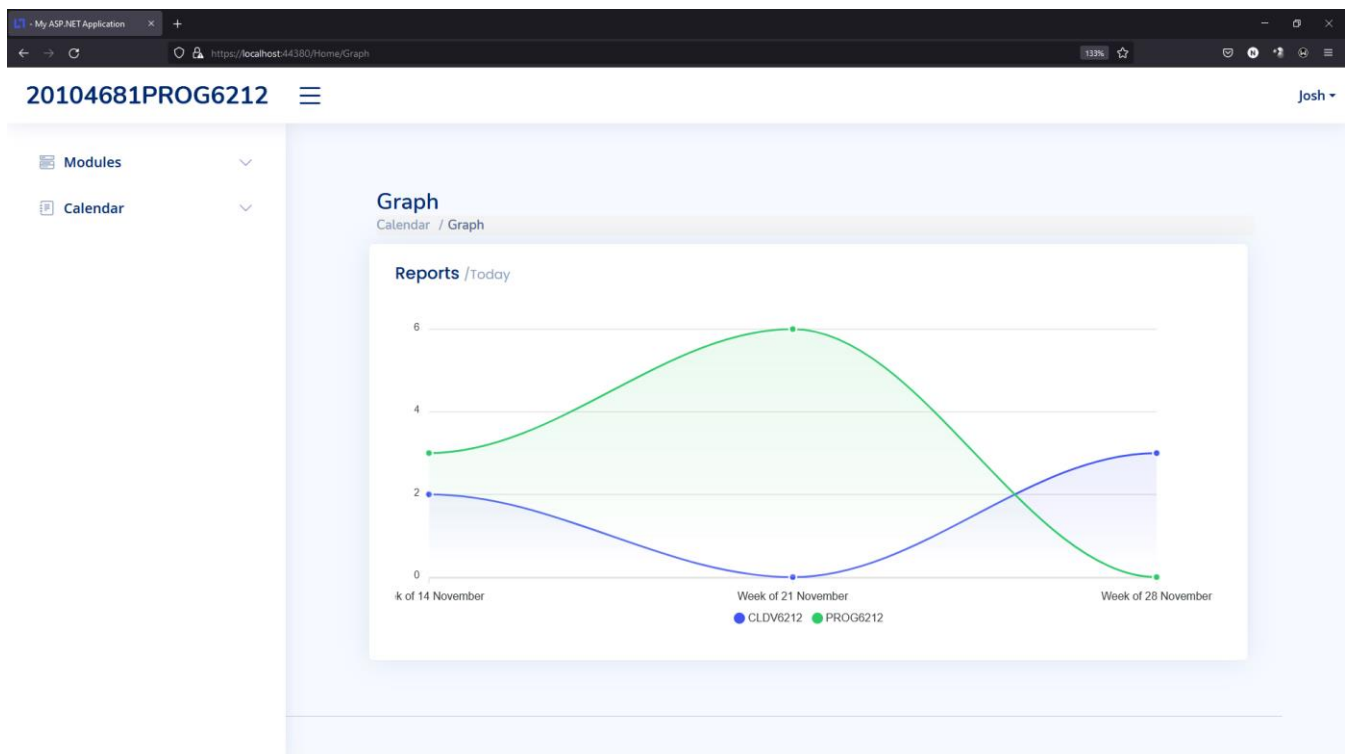
If the user decides to view their calendar data through the graph, they can simply select the graph option from the Calendar Sidebar dropdown menu and they will be greeted with the view displayed above. It shows the week inf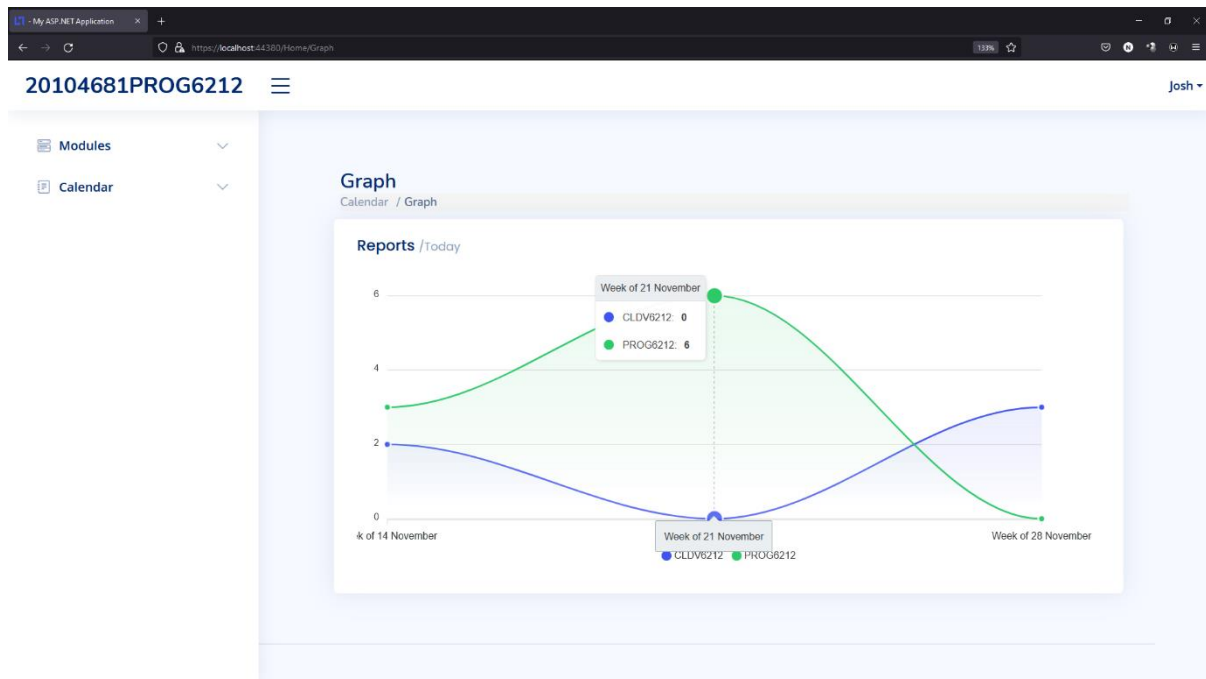ormation on the x axis and the hour information on the y axis. For each week and module, a plot on the graph is made and it is colour coded by the module it represents, the graph will show the swings in studying the user has per week of recorded data.

Once a user hovers over the graph they are able to see the exact data that is plotted which includes information on the current week, the module name alongside it's represented colour on the graph and the number of hours that have been recorded for that week.

As seen above for the week of the 21 of November the user only recorded programming on the 22 of November which can be found on the View/Add page.
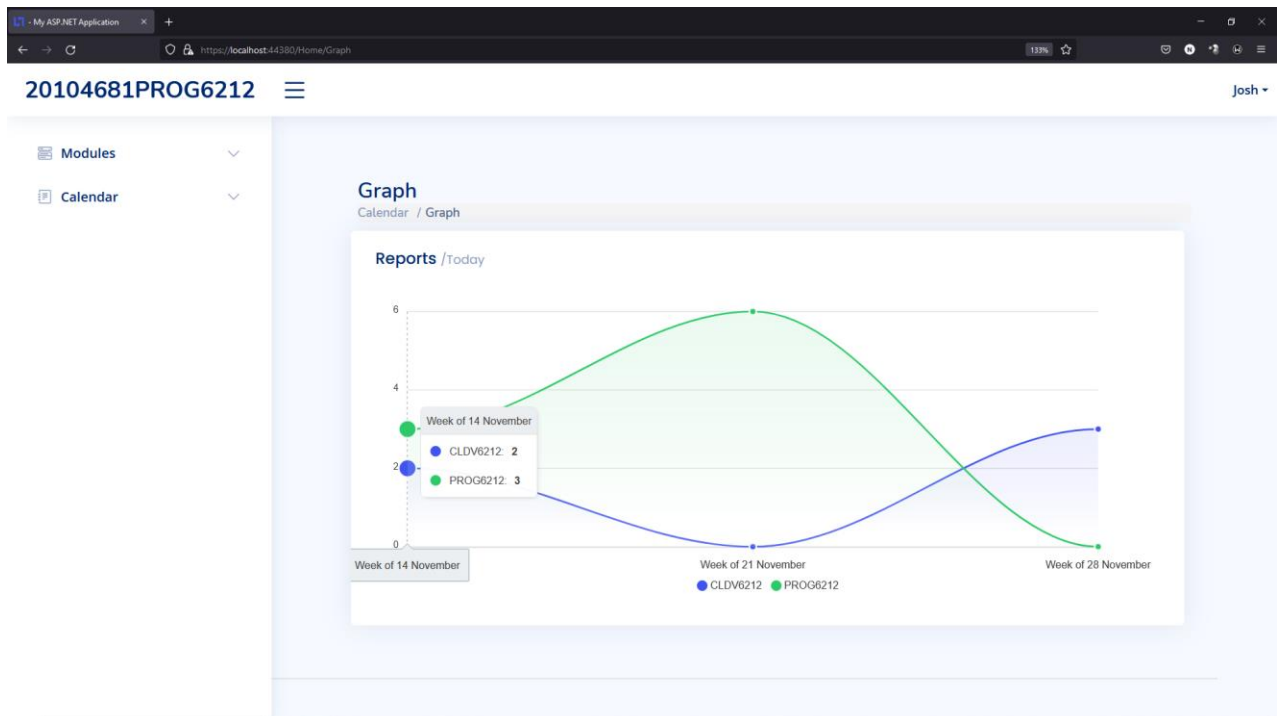
If the user hovers over the first data points they will see that itt refers to the week of the 14th of November. In that week the user recorded 2 hours of CLDV6212 on the date 18TH November and also recorded 2 Hours for PROG6212. The following day the user recorded 1 further hour for PROG6212 which is why the data points have a total of 3 for PROG6212 and 2 for CLDV6212.
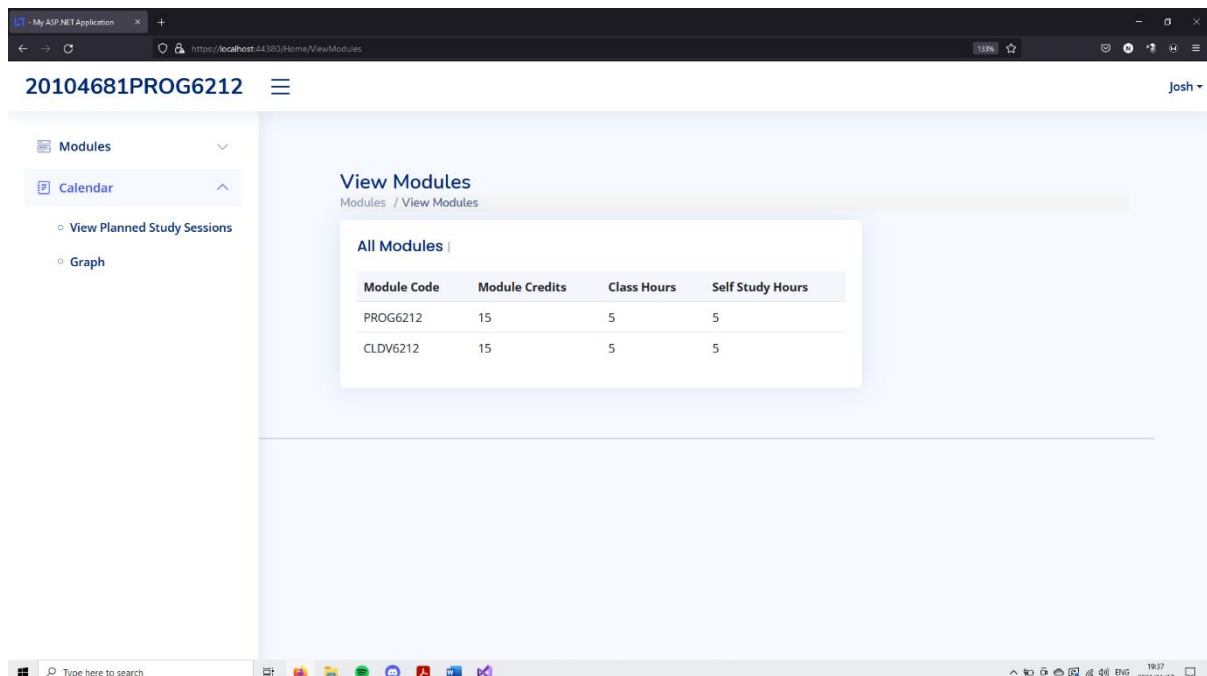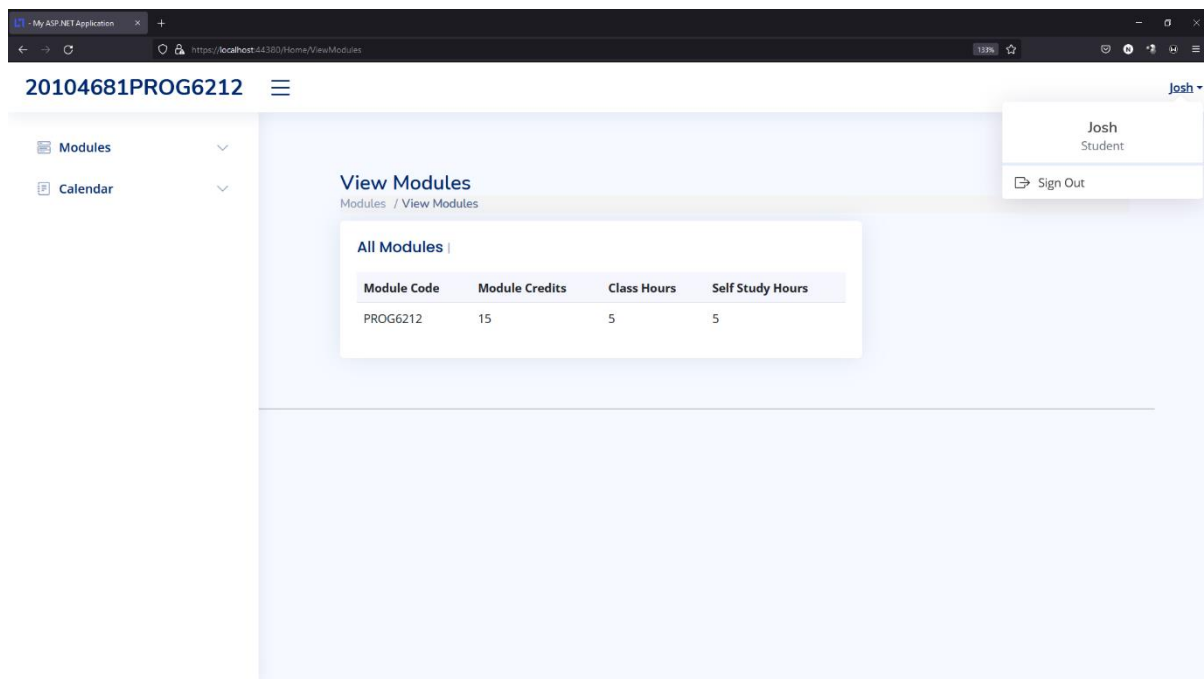
5. Other Interactions

Modules
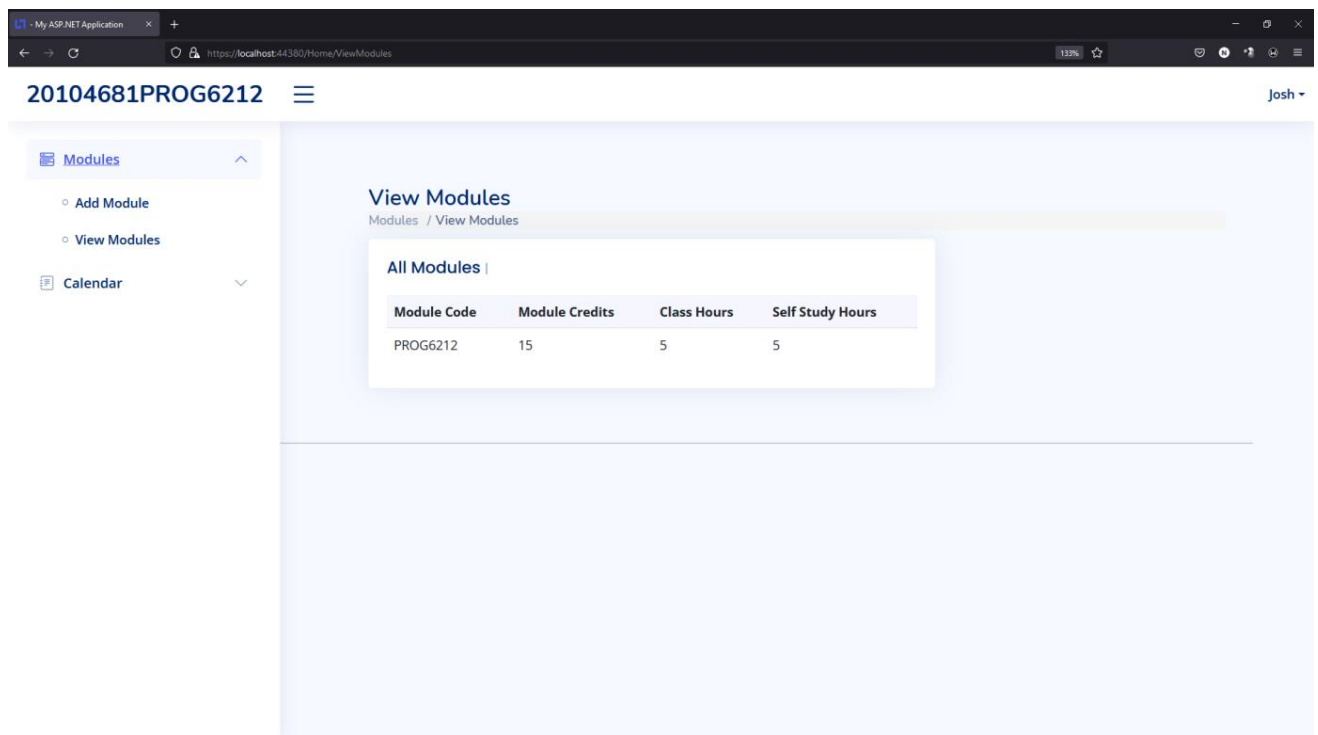
If the user selects the Modules dropdown, they will be greeted with the option to navigate to any one of the 2 pages **Add Module** and **View Modules**.

Calendar

If the user selects the Calendar dropdown, they will be greeted with the option to navigate to any one of the 2 pages **View Planned Study Sessions** and **Graph**.

User

If the user selects their name on the top right they will be greeted with a dropdown that allows them to sign out.

6. Conclusion

This concludes the reading of the user Manual. The application should be easier to use but if not, a video tutorial is also available at the following link.