

## **Programming 6212 – Final POE Submissions User Guide**

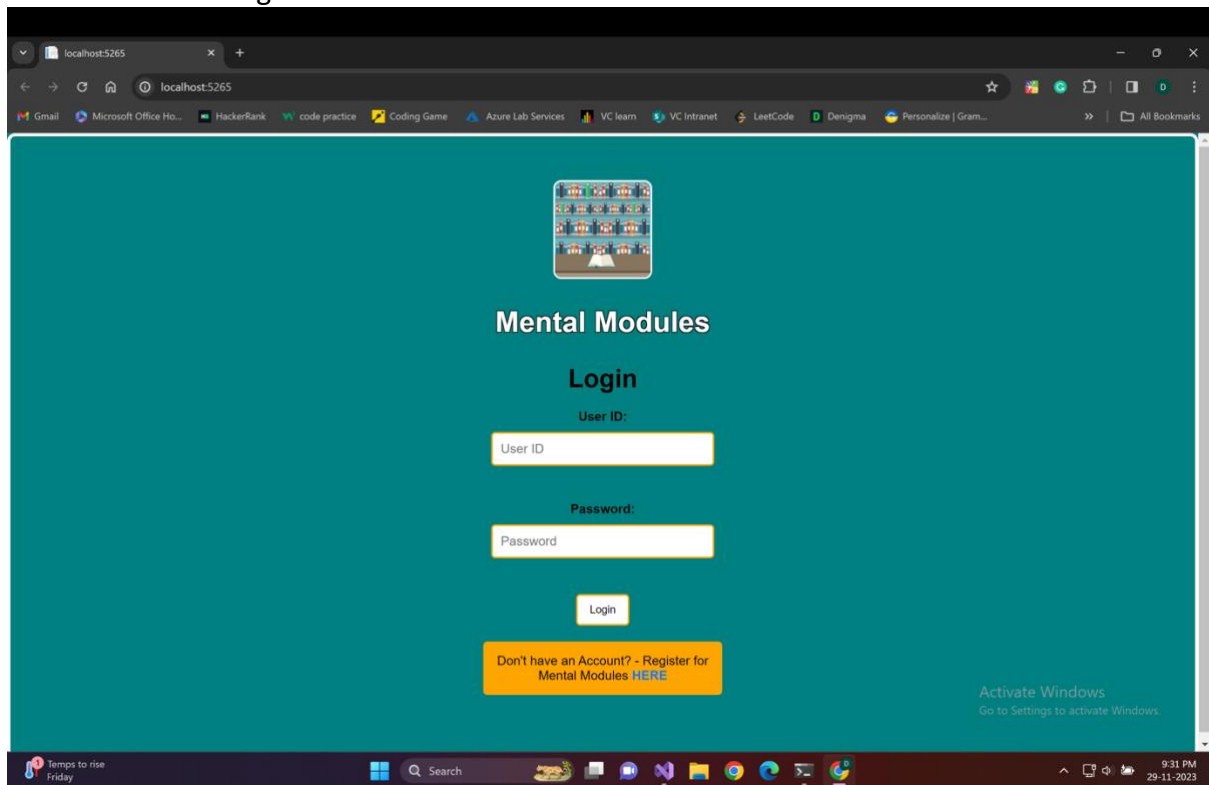
Daniel Antonie – ST10186731

Welcome to the Mental Modules User Manual. In this manual the user will be able to navigate through the web application with ease. Get answers to questions and be able to utilise all application functions!

### **Login view**

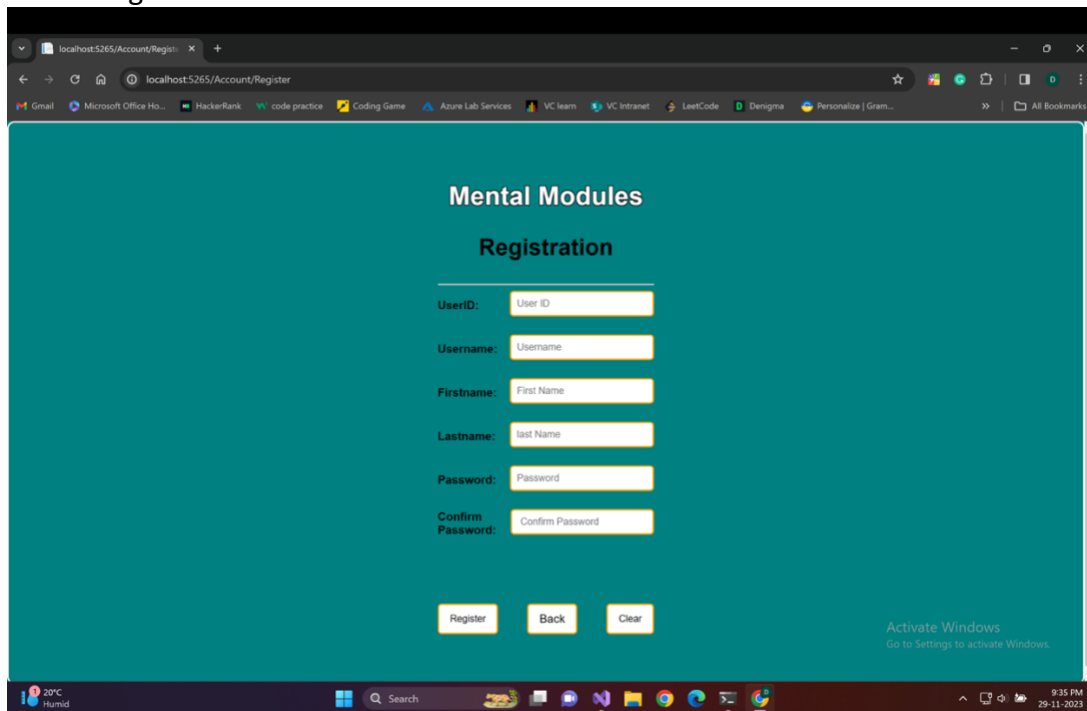
As the user access the web application they will be greeted with the login view.

Here the user has the option to login to their account if they have one already, otherwise they are able to create a Mental modules profile by pressing the [HERE](#) link in the around footer below the login button.



## Registration View

In the registration view the users will be required to enter the necessary details in order to add their profiles into the Mental Modules database. Through entering their Unique User ID , Username, First name , last name and password, if all are correct and valid the user will be able to login to their new mental modules account.

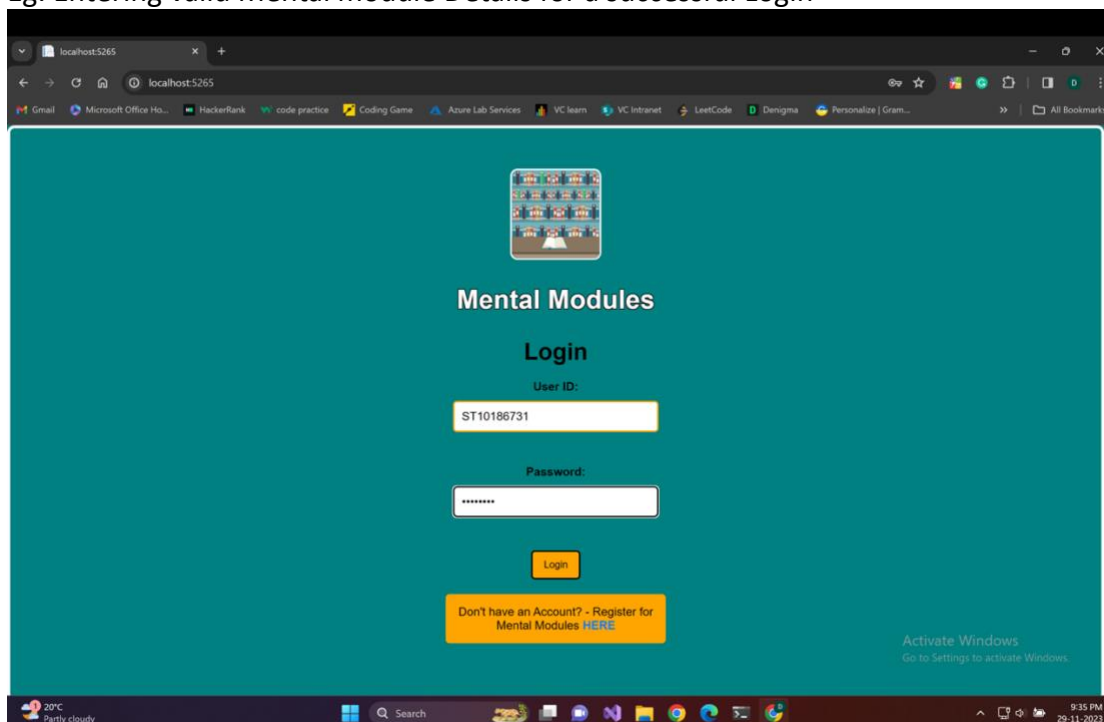


The screenshot shows a web browser window with the URL `localhost:5265/Account/Register`. The page has a teal background and is titled "Mental Modules Registration". It contains a registration form with the following fields:

- User ID:
- Username:
- Firstname:
- Lastname:
- Password:
- Confirm Password:

Below the form are three buttons: "Register", "Back", and "Clear". In the bottom right corner, there is a message: "Activate Windows Go to Settings to activate Windows." The Windows taskbar at the bottom shows the date and time as 9:35 PM on 29-11-2023.

Eg. Entering valid Mental module Details for a successful Login



The screenshot shows a web browser window with the URL `localhost:5265`. The page has a teal background and is titled "Mental Modules Login". It features a login form with the following fields:

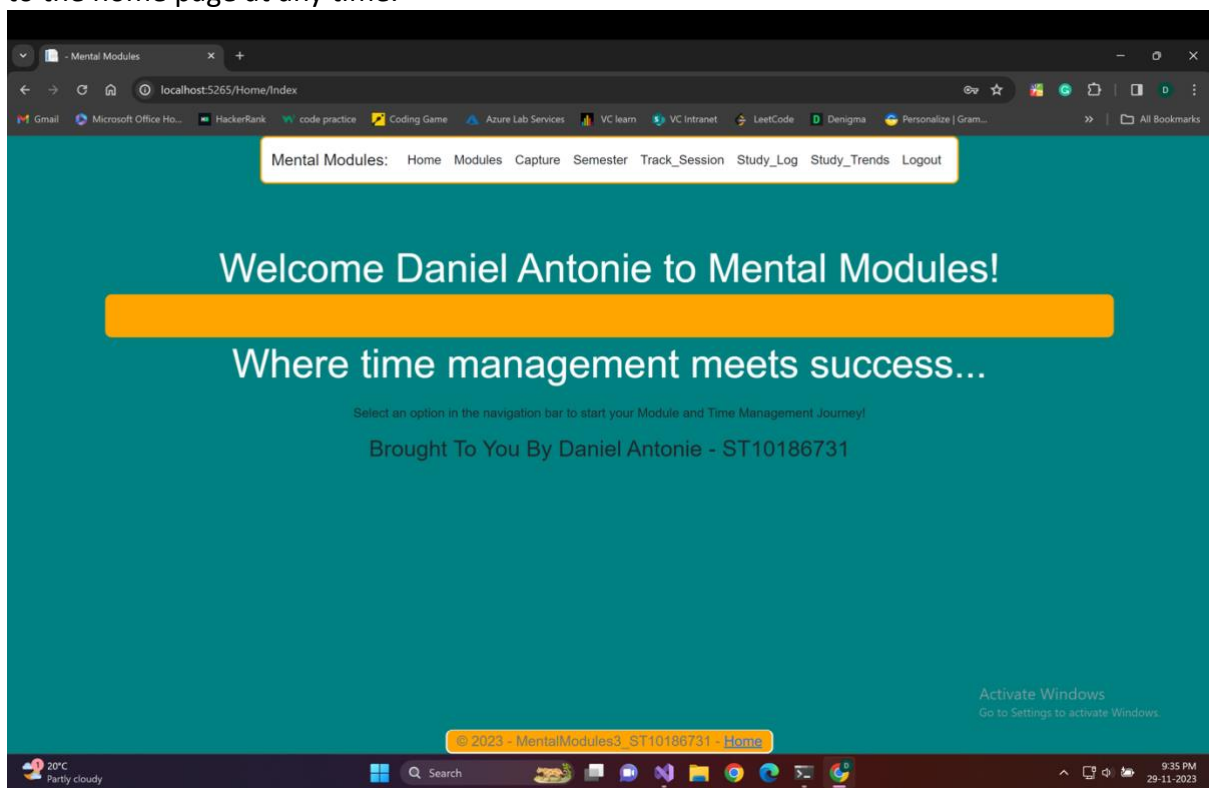
- User ID:
- Password:

Below the form is a "Login" button. At the bottom, there is a yellow button that says "Don't have an Account? - Register for Mental Modules [HERE](#)". In the bottom right corner, there is a message: "Activate Windows Go to Settings to activate Windows." The Windows taskbar at the bottom shows the date and time as 9:35 PM on 29-11-2023.

### Successful Login and the Home View

Once the system has validated the users details and the user has successfully logged in, the user will be greeted with the home view, here the home view will ensure that the user has indeed logged into their account by displaying their name into the heading of the of the home Page. In this case the user that has logged in is Daniel Antonie.

In the home view the user is able to select any option within the navigation bar at the top of the page, moving from option to option has never been easier. If the user is on any page within the web application, the footer contains a home link button that will return the user to the home page at any time.



## Modules

In this example the user Daniel Anotnie has entered multiple modules that he has enrolled in. Once a user has captured a semester and a modules they have enrolled in, they will be able to view the module information in module view which is the first option in the navigation bar. The system will retrieve all the modules that are associated with the logged in user.

Mental Modules: Home Modules Capture Semester Track\_Session Study\_Log Study\_Trends Logout

### Modules

[Capture Module](#)

ModuleCode	ModuleName	ModuleCredits	ClassHours	SelfStudyHours	
ACCE2468	Accounting Economics	50	12	13	<a href="#">Details</a>
ADD87311	Advanced Databases	40	12	6.67	<a href="#">Details</a>
BIO4211	Biology	70	18	23.18	<a href="#">Details</a>
CLDV6212	Cloud Development	40	12	0	<a href="#">Details</a>
GEO5123	Geography	80	12	28	<a href="#">Details</a>
ITPP6221	Information Technology	40	14	12.67	<a href="#">Details</a>
MAPC5112	Mathematic Principles in computer science	80	16	29.33	<a href="#">Details</a>
PE1272	Physical Education	65	18	14.5	<a href="#">Details</a>
PHYC	Physics	50	15	10	<a href="#">Details</a>
PRLD6212	Programming logic and design	100	15	51.67	<a href="#">Details</a>
PROG6212	Programming	40	14	12.67	<a href="#">Details</a>
SOEN6222	Software Engineering	40	12	68	<a href="#">Details</a>
Technology	Technology	40	15	5	<a href="#">Details</a>

There is also a Details button within the table , this allows the user to select the specific details for a module of their choice as seen below, the user can return to the table at any time.

Mental Modules: Home Modules Capture Semester Track\_Session Study\_Log Study\_Trends Logout

### Details

#### Module Information

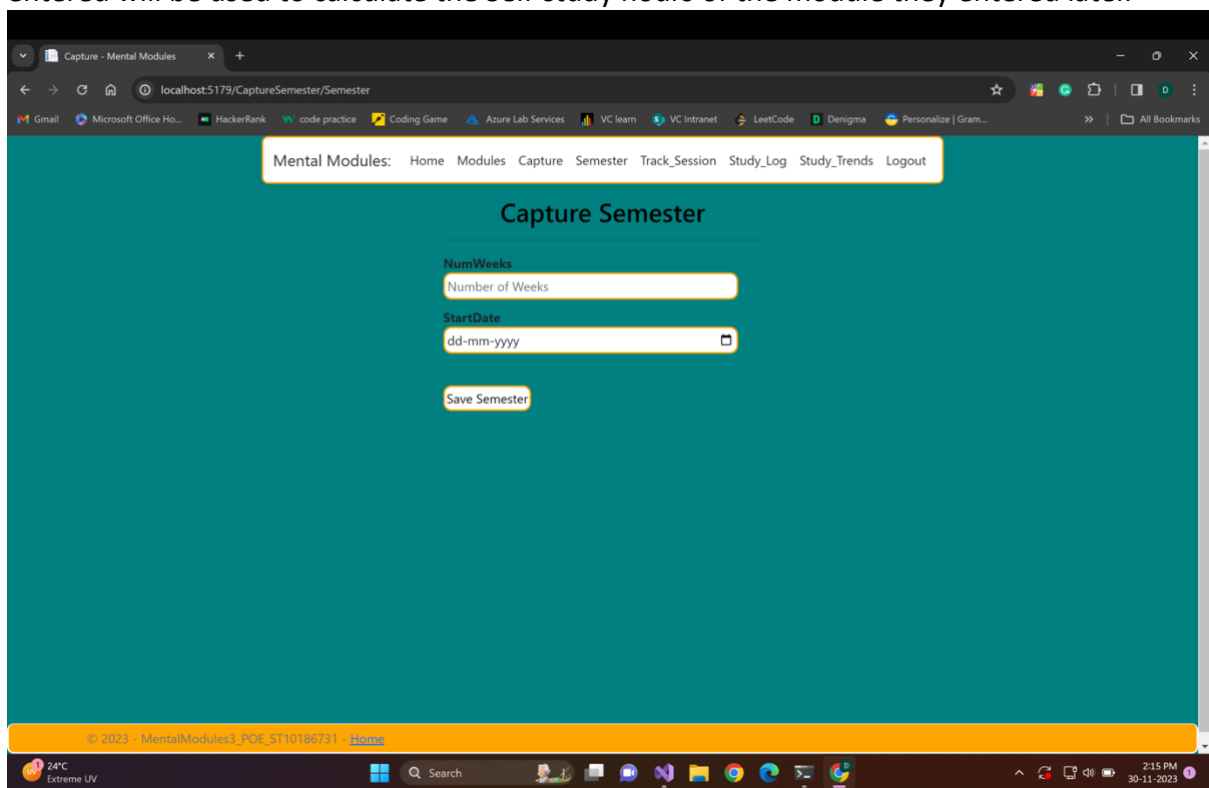
ModuleCode	PROG6212
ModuleName	Programming
ModuleCredits	40
ClassHours	14
SelfStudyHours	12.67

[Back to Modules](#)

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## Semester

The semester view is where the user will begin their mental modules journey, here the user will enter the semester information custom to their educational career. The user will enter the number of weeks and the Start date of the Semester. The number of weeks the user entered will be used to calculate the Self-study hours of the module they entered later.



The screenshot shows a web browser window with the address bar displaying 'localhost:5179/CaptureSemester/Semester'. The browser's bookmark bar includes links to Gmail, Microsoft Office Ho..., HackerRank, code practice, Coding Game, Azure Lab Services, VC learn, VC Intranet, LeetCode, Denigma, and Personalize | Gram... The page has a teal background and a white navigation bar at the top with the text 'Mental Modules:' followed by links: Home, Modules, Capture, Semester, Track\_Session, Study\_Log, Study\_Trends, and Logout. The main heading is 'Capture Semester'. Below it, there are two input fields: 'NumWeeks' with a placeholder 'Number of Weeks' and 'StartDate' with a placeholder 'dd-mm-yyyy' and a calendar icon. A 'Save Semester' button is located below the input fields. At the bottom of the page, there is a footer with the text '© 2023 - MentalModules3\_POE\_ST10186731 - Home'. The Windows taskbar at the bottom shows the system clock as 2:15 PM on 30-11-2023, along with weather information (24°C, Extreme UV) and various application icons.

NumWeeks  
Number of Weeks

StartDate  
dd-mm-yyyy

Save Semester

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## Capture

The capture page is the main event of the application, once a user has entered a semester, they are then able to capture an infinite amount of modules they have or will enrol in. By entering the necessary details of each module in the fields, the system will then insert the module into the database and save the module information for the user to view in the module view. Once the details have been validated, the system will then calculate the Self Study hours for the module-  $((Credits * 10) / \text{Number of weeks in the semester}) - \text{class hours per week}$

The screenshot shows a web browser window with the URL `localhost:5179/CaptureSemester/Capture`. The page has a teal background and a navigation bar at the top with the following links: [Mental Modules:](#), [Home](#), [Modules](#), [Capture](#), [Semester](#), [Track\\_Session](#), [Study\\_Log](#), [Study\\_Trends](#), and [Logout](#). The main heading is **Capture Modules**. Below this, there is a form with the following fields and labels:

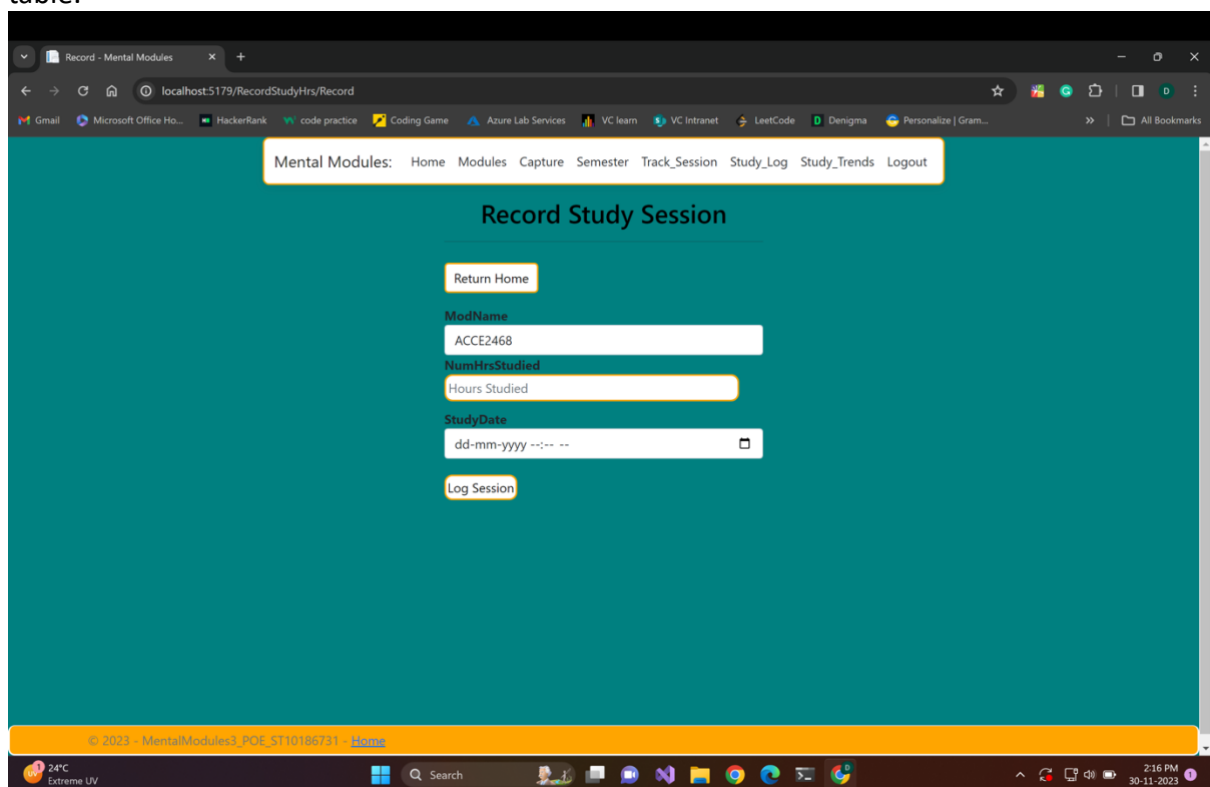
- Capture Semester**: A text input field.
- ModuleCode**: A text input field.
- ModuleName**: A text input field.
- ModuleCredits**: A text input field.
- ClassHours**: A text input field.

At the bottom of the form is a **Save Module** button. The footer of the page contains the text: `© 2023 - MentalModules3_POE_ST10186731 - Home`. The Windows taskbar at the bottom shows the date and time as 2:14 PM on 30-11-2023.

### Record Study Hours

In the record study hours view, the user will be able to enter the study session they have just completed. The user will have to select an available module to log a study session for in the drop down list, they will have to enter the number of hours they have studied for and finally select the date on which they have studied. However in this view the user cannot select a date before the start date of the semester to log a study session if they do accidentally do so, the system will notify the user that they have logged a session before the start date of the semester.

Once all Study session details have been correctly entered and validated, the system will save the study session for that day and subtract the number of hours they have studied from the self-study hours of the module. This number will update in the Module view - module table.



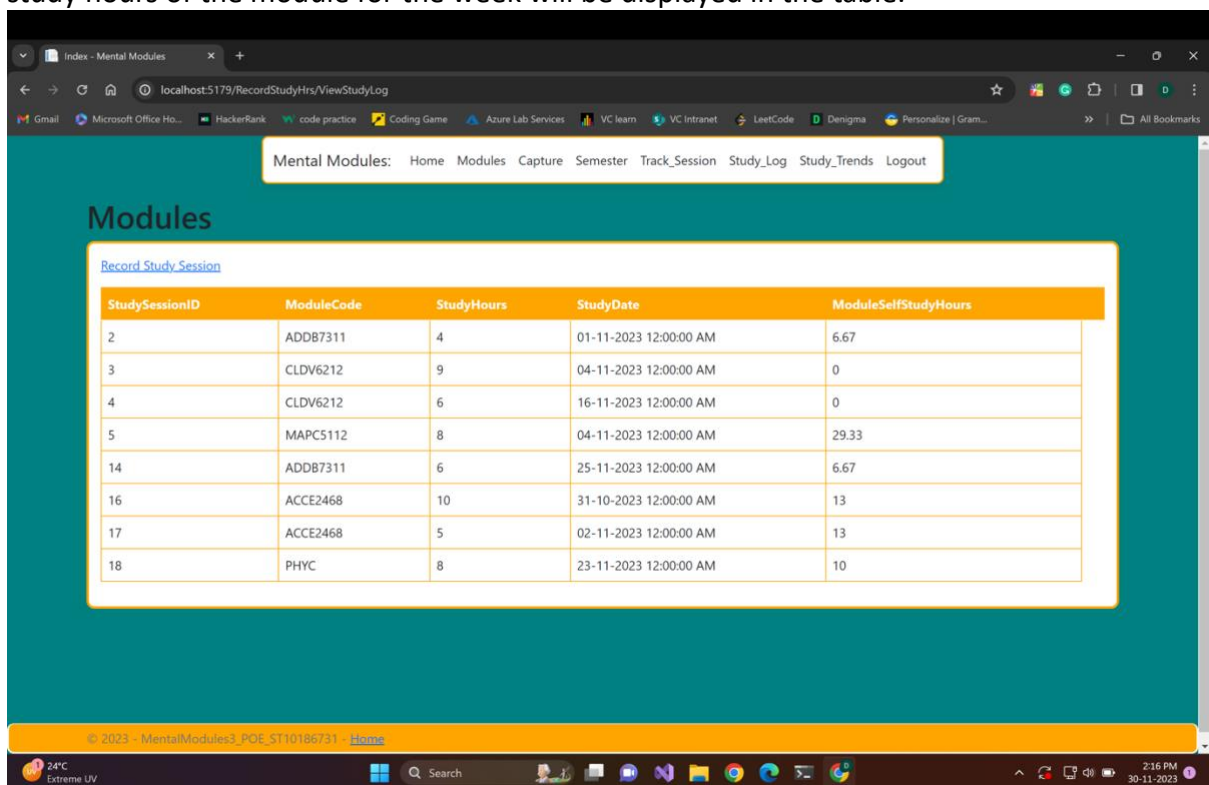
The screenshot shows a web browser window with the URL `localhost:5179/RecordStudyHrs/Record`. The page has a teal background and a navigation bar at the top with links: [Mental Modules:](#), [Home](#), [Modules](#), [Capture](#), [Semester](#), [Track\\_Session](#), [Study\\_Log](#), [Study\\_Trends](#), and [Logout](#). The main heading is **Record Study Session**. Below it is a form with the following fields and buttons:

- [Return Home](#) button
- ModName** label with a text input containing `ACCE2468`
- NumHrsStudied** label with a text input containing `Hours Studied`
- StudyDate** label with a date picker showing `dd-mm-yyyy --:-- --`
- [Log Session](#) button

The footer of the page displays `© 2023 - MentalModules3_POE_ST10186731 - Home`. The Windows taskbar at the bottom shows the date and time as `2:16 PM 30-11-2023`.

## Study Log View

In the study log view , the user will have access to all the study log data of every module they have studied for. All study data is retrieved from the database and displayed in the table for the user to analyse and view all study session details of any module they have enrolled In. the Study Session ID, the Module code, Study Hours, Study Date and the remaining self-study hours of the module for the week will be displayed in the table.

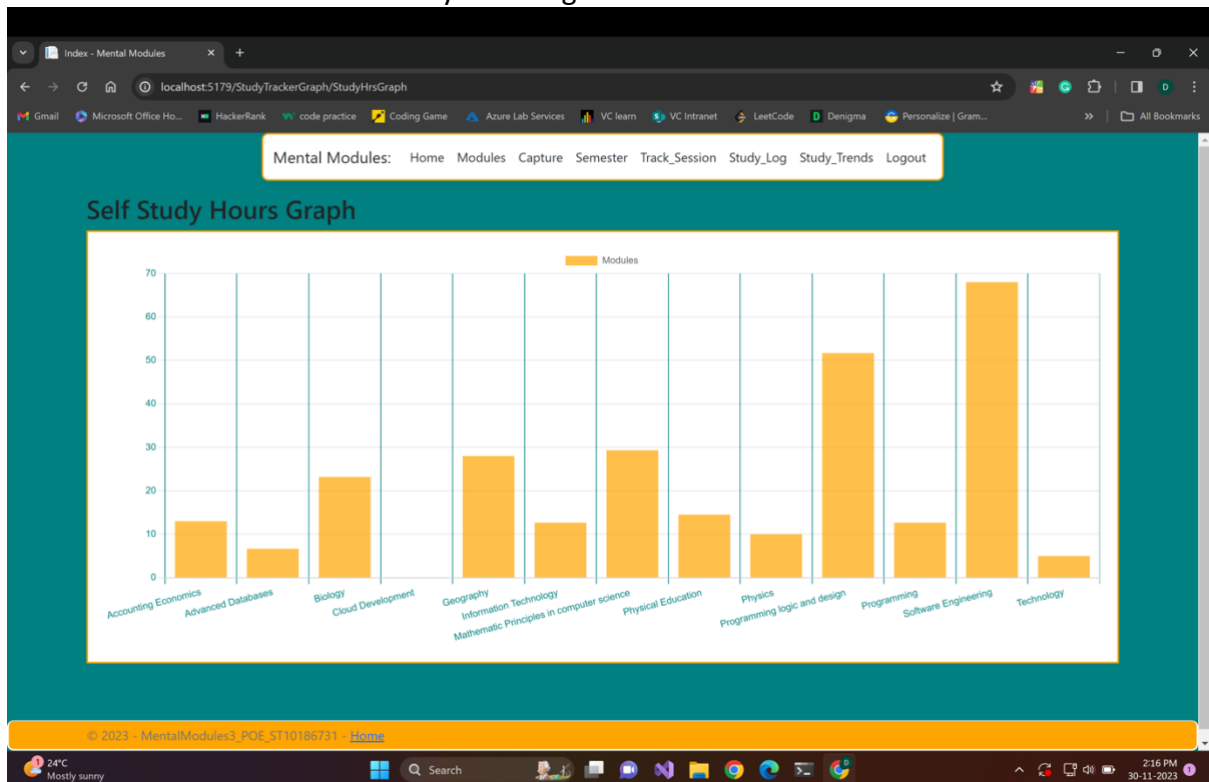


StudySessionID	ModuleCode	StudyHours	StudyDate	ModuleSelfStudyHours
2	ADD87311	4	01-11-2023 12:00:00 AM	6.67
3	CLDV6212	9	04-11-2023 12:00:00 AM	0
4	CLDV6212	6	16-11-2023 12:00:00 AM	0
5	MAPCS112	8	04-11-2023 12:00:00 AM	29.33
14	ADD87311	6	25-11-2023 12:00:00 AM	6.67
16	ACCE2468	10	31-10-2023 12:00:00 AM	13
17	ACCE2468	5	02-11-2023 12:00:00 AM	13
18	PHYC	8	23-11-2023 12:00:00 AM	10



## Self-Study Hours Graph

The bread and butter of time management, in the self-study hours graph view the system will take the Module names and Self-study hours data of all modules and create a visual bar graph of the user's Self-study hours for a module in a particular week. The user can view individual data for each module by hovering over the bar of the desired module.



## Logout

The final stage of the users session journey, when the user is ready to say goodbye to Mental modules, they able to select the logout button in the navigation bar. Once pressed they are taken to the Confirm Logout screen. Here the user can either change their mind and cancel- this will take them back to the their home screen- other wise they can select the logout button which will log them out of their profile and take them to the login screen once again.

