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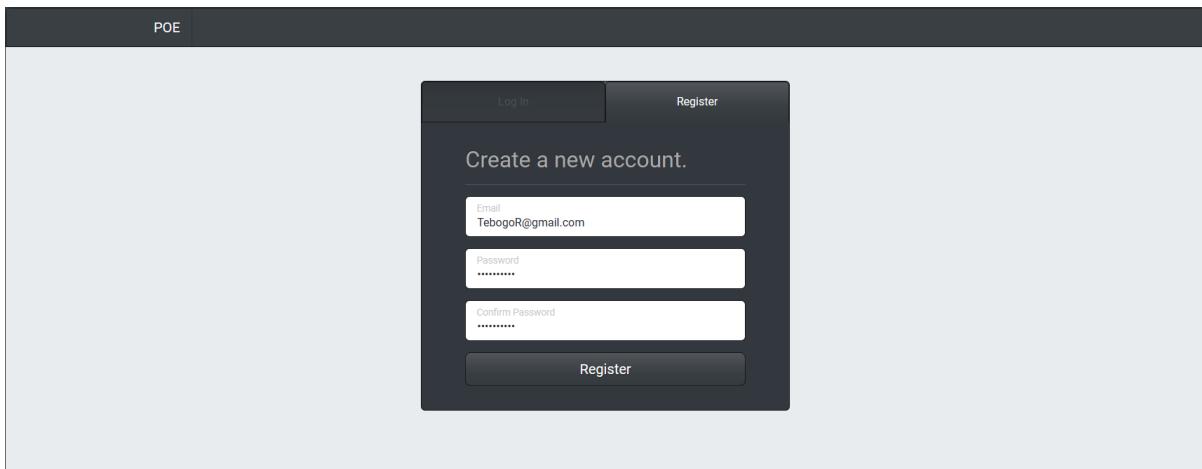
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UserManual

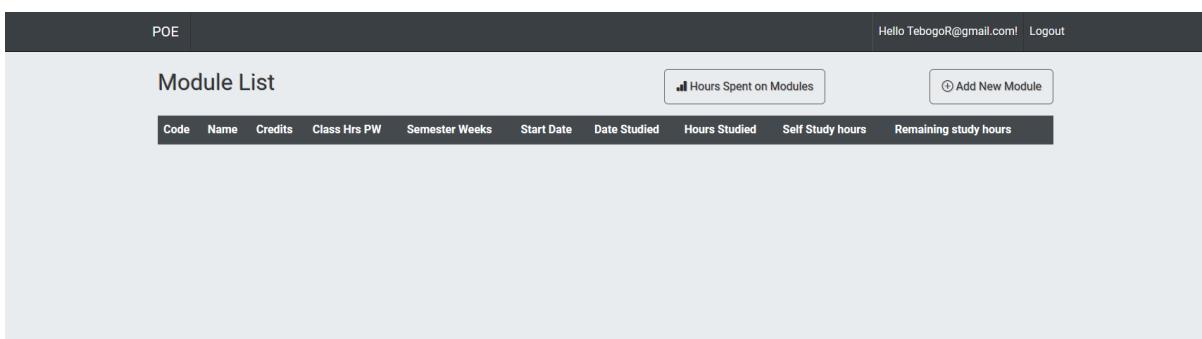
Register

Welcome, the following are the instructions on how to use my application.

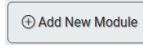
First, on application startup, you will be presented with the Login and Register page. Here users will be able to log in or register for the application. To register navigate to the register page by clicking on the register tab. Here there will be input fields where you will need to enter your details. These are the example data we will use to register into the application **Email:** TebogoR@gmail.com **Password:** Tebogo@10196509 and the confirm password will be the same as the entered password. 



On successful registration, you will be redirected to the page below. Here you will be able to add a new Module and view a graph of hours spent on modules. 



Add Module

To create a Module click the 'Add New Module'  button where you will be redirected to the Create Module page. Here the user will then enter details about their module. 

POE

Hello TebogoR@gmail.com! Logout

Create Category

Code
Prog6212

Name
Programming 2B

Credits
15

Class Hours Per Week
6

Weeks in Semester
12

Semester Start
2023/07/31 00:00

Date Studied On
2023/08/04 13:00

Hours Studied on day
2

[Create](#) [Back to Modules](#)

POE

Hello TebogoR@gmail.com! Logout

Create Module

Code
Data6222

Name
Database Intermediate

Credits
15

Class Hours Per Week
4

Weeks in Semester
12

Semester Start
2023/07/31 00:00

Date Studied On
2023/08/03 12:48

Hours Studied on day
1

[Create](#) [Back to Modules](#)

View Module

After Creating the modules, on the Module List the user will get an overview of their modules this user currently has two modules. ↴

Module List											Hours Spent on Modules	Add New Module
Code	Name	Credits	Class Hrs PW	Semester Weeks	Start Date	Date Studied	Hours Studied	Self Study hours	Remaining study hours			
Data6222	Database Intermediate	15	4	12	2023/07/31 15:06:00	2023/08/02 15:07:00	1	8	7	Edit	Delete	
Prog6212	Programming 2B	15	6	12	2023/07/31 15:08:00	2023/08/04 15:08:00	2	6	4	Edit	Delete	

View Graph

Users can view a graph of hours spent on their modules by clicking on the Hours Spent on Modules button where they will be redirected to the following page.



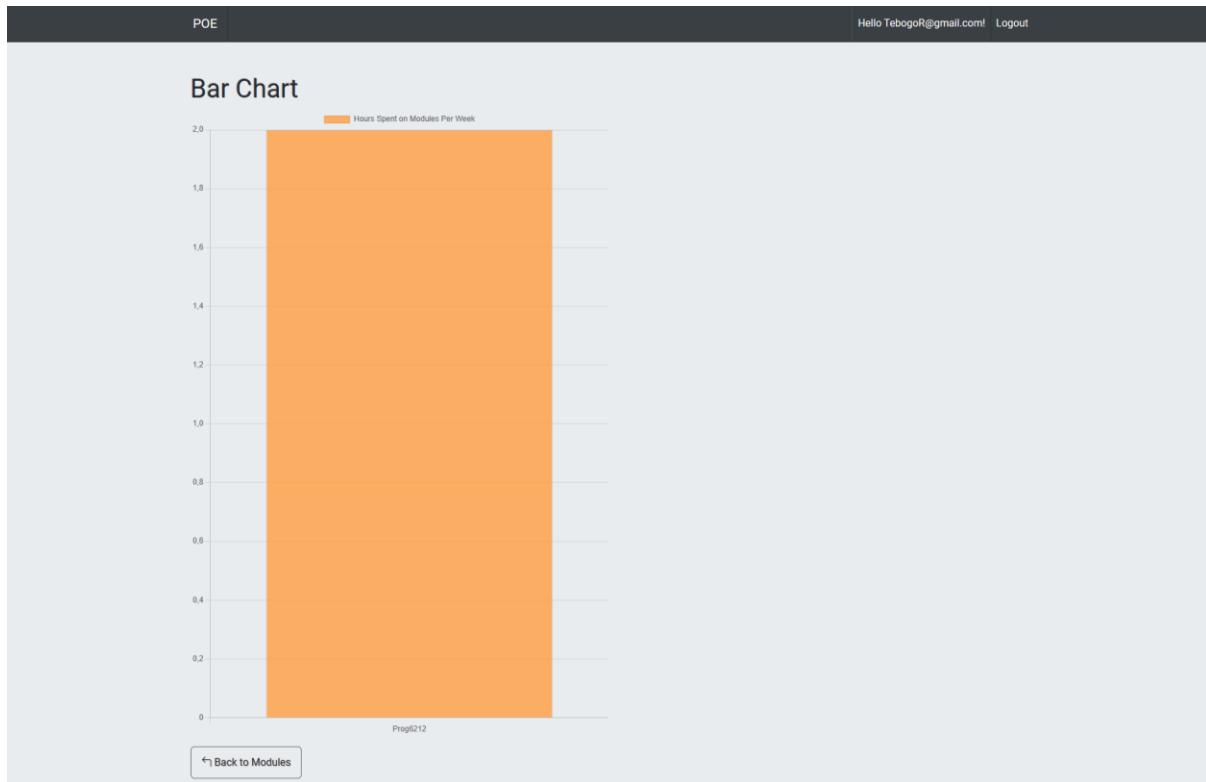
To go back the user will click the Back to Modules button where they will be redirected to the Module List page.

Remove Module



Users can delete a module by clicking the button and the module will be removed. Lets remove Data6222 module, now this is how the Module List will now look and also how the Hours spent on Modules graph will look.

Module List											 Hours Spent on Modules	 Add New Module
Code	Name	Credits	Class Hrs PW	Semester Weeks	Start Date	Date Studied	Hours Studied	Self Study hours	Remaining study hours			
Prog6212	Programming 2B	15	6	12	2023/07/31 15:08:00	2023/08/04 15:08:00	2	6	4	 Edit	 Delete	



Edit Module

The user will be able to edit their module in the case of a mistake or if they want to change

something about their module details. To edit a module the user will click the  button and they will be redirected to the edit module page. Here the user will be able to edit their chosen module. In this example lets say that we want to change the credits to 20 and say that the date they chose to study on they studied for 5 hours.

POE

Hello TebogoR@gmail.com! Logout

Create Category

Code	Prog6212
Name	Programming 2B
Credits	20
Class Hours Per Week	6
Weeks in Semester	12
Semester Start	2023/07/31 15:08
Date Studied On	2023/08/04 15:08
Hours Studied on day	5

[Update](#) [Back to Modules](#)

The user will now see their module with the updated values notice how the self study hours and the remaining hours have been updated to represent the newly altered values. 

POE

Hello TebogoR@gmail.com! Logout

Module List

Code	Name	Credits	Class Hrs PW	Semester Weeks	Start Date	Date Studied	Hours Studied	Self Study hours	Remaining study hours		
Prog6212	Programming 2B	20	6	12	2023/07/31 15:08:00	2023/08/04 15:08:00	5	10	5	 Edit	 Delete

When the User wants to Logout of their profile, they should click the  button at the top nav of the page, they will then be logged out of the application and back to the register/login page. 

POE

Log In
Register

Welcome Back.

Remember me?

[Log in](#)

Login

On the Login page, the users will be able to login to the application with their registered account. 

POE

Welcome Back.

Email: TebogoR@gmail.com

Password:
 Remember me?

Log in

POE

Hello TebogoR@gmail.com! Logout

Module List

Code	Name	Credits	Class Hrs PW	Semester Weeks	Start Date	Date Studied	Hours Studied	Self Study hours	Remaining study hours		
Prog6212 2B	Programming	15	6	12	2023/07/31 15:08:00	2023/08/04 15:08:00	2	6	4		

Hours Spent on Modules

Add New Module

Log In

Register

Create a new account.

Email: SallyL@gmail.com

Password:

Confirm Password:

Register

Now we will create a new user with different modules to showcase different accounts, lets make their details be Email: SallyL@gmail.com, Password: Sally@123, Confirm password: Sally@123

This is how Sally's Module List will look for now as we have not added any modules. 👍

POE

Hello SallyL@gmail.com! Logout

Module List

Code	Name	Credits	Class Hrs PW	Semester Weeks	Start Date	Date Studied	Hours Studied	Self Study hours	Remaining study hours

These are the following modules that we will create for sally. 👍

Create Module

Code

Name

Credits

Class Hours Per Week

Weeks in Semester

Semester Start



Date Studied On



Hours Studied on day

Create Module

Code

Name

Credits

Class Hours Per Week

Weeks in Semester

Semester Start



Date Studied On



Hours Studied on day



Create Module

Code

Name

Credits

Class Hours Per Week

Weeks in Semester

Semester Start

Date Studied On

Hours Studied on day

Create Module

Code

Name

Credits

Class Hours Per Week

Weeks in Semester

Semester Start

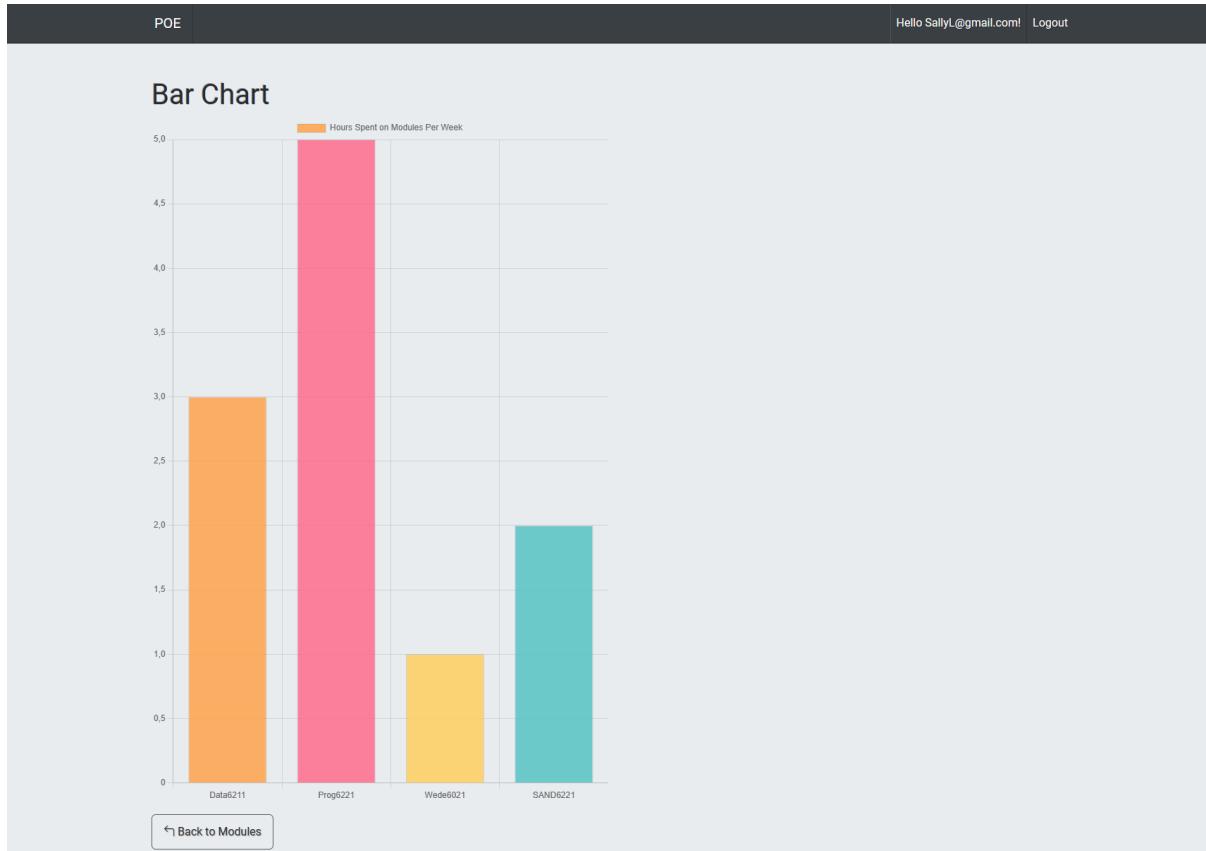
Date Studied On

Hours Studied on day

Sally's Module List and graph will now look like this. 

Module List											 Hours Spent on Modules	 Add New Module
Code	Name	Credits	Class Hrs	PW	Semester Weeks	Start Date	Date Studied	Hours Studied	Self Study hours	Remaining study hours		
Data6211	Database Introduction	15	4	12		2023/02/27 13:19:00	2023/03/01 13:19:00	3	8	5	 Delete	
Prog6221	Programming 2A	20	6	12		2023/02/27 13:21:00	2023/03/03 13:21:00	5	10	5	 Delete	
SAND6221	Systems Analysis and Design	15	3	12		2023/02/27 13:25:00	2023/03/14 13:25:00	2	9	7	 Delete	
Wede6021	Web Development Intermediate	15	5	12		2023/02/27 13:23:00	2023/03/06 13:23:00	1	7	6	 Delete	



Feature Explanation

Login and register page:

This feature allows the user to access the application, this also helps the application manage the users information more easily at it allows the program to display a user's information that is only relevant to the current logged in user so a user will not be able to delete to view another users modules.

Module List/ Home Page:

This is the Module List or Home Page of the application, this is where a user will be able to see all their details regarding their modules. Here the user will see detailed information about their module like Module code, name, Credits, Class hours per week, number of weeks in the semester, semester start date, date for when they studied, hours studied on that day, self study hours and remaining self study hours. The user will also be able to delete and edit their individual modules. On this page there are two buttons Add New Module and Hours Spent on Modules these buttons will redirect the user to their respective pages.

Currently, Our user SallyL has no Modules

POE		Hello SallyL@gmail.com! Logout			
Module List					
 Hours Spent on Modules Add New Module					
Code Name Credits Class Hrs PW Semester Weeks Start Date Date Studied Hours Studied Self Study hours Remaining study hours					

Add New Module Page:

This page is where the user will be able to add their modules. Here the user will need to enter their modules code, name, credits, class hours per week, weeks in semester, semester start date, date studied on a specific day and the hours they studied on that day. Behind the scenes the code will calculate the students self study hours and remaining self study hours. The program has validation so that not just any values can be entered for example the module code and name cannot have the same value, module credits need to be between 1 and 30. The validation for self study hours and remaining self study hours are set so that they cannot have a value of less than zero so when the program does the calculations and it finds that the values the user enters don't add up there will be an error message below the Create module heading detailing what you need to change in the input fields in order for the study hours to make sense.

Validation for the same module code and name

Create Module

- The Module code and name cannot be the same

Code

Name

Credits

Class Hours Per Week

Weeks in Semester

Semester Start

Date Studied On

Hours Studied on day

Validation of invalid remaining study hours 

Create Module

- Invalid Remaining Study Hours

Code

Name

Credits

Class Hours Per Week

Weeks in Semester

Semester Start

Date Studied On

Hours Studied on day

Validation for invalid self study hours 

Create Module

- Invalid Self Study Hours
- Invalid Remaining Study Hours

Code

Name

Credits

Class Hours Per Week

Weeks in Semester

Semester Start

Date Studied On

Hours Studied on day

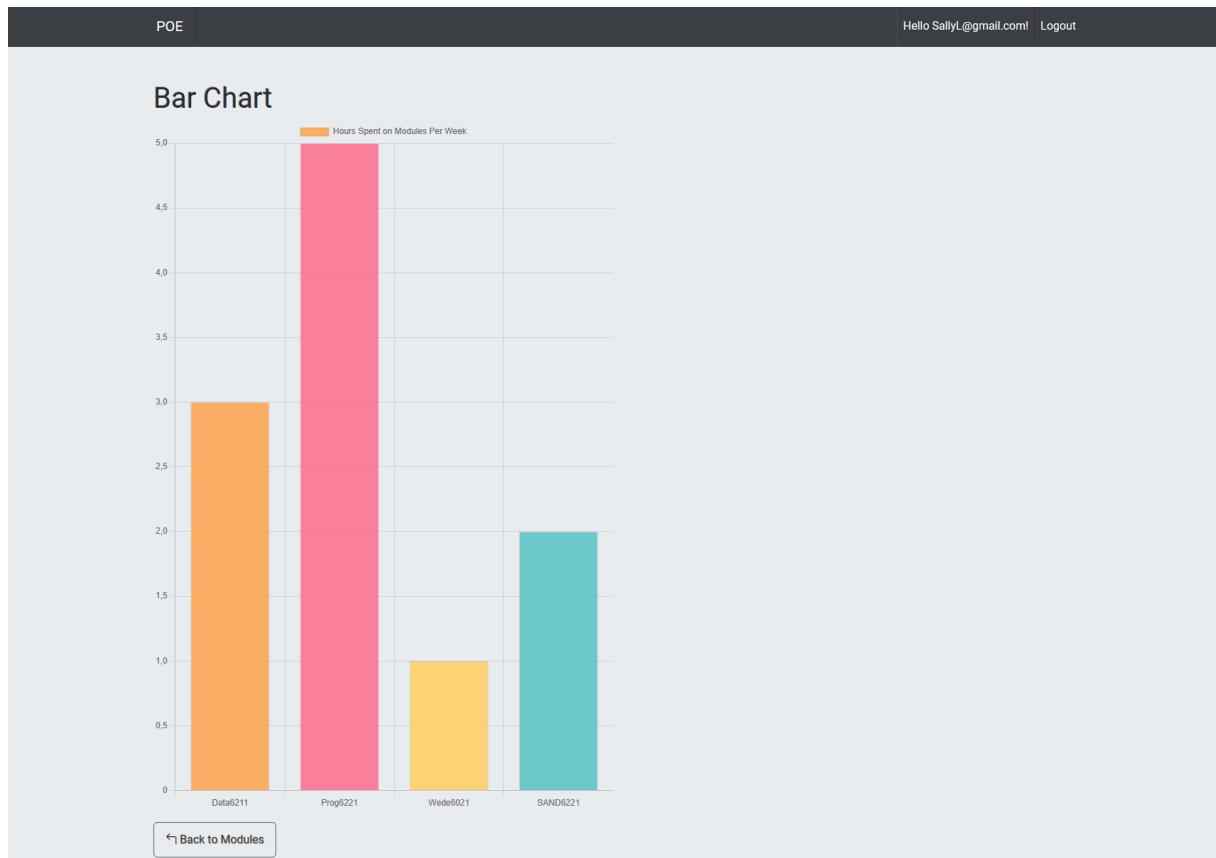
Now we will add a couple of modules for the user sally when all modules are successfully the Module list will look like this depending on how many Modules the user has entered.

Below we can see all the values the users entered, the values that are calculated and then added with the code behind are Self study hours and Remaining study hours. 

Module List										 Hours Spent on Modules	 Add New Module
Code	Name	Credits	Class Hrs	Semester Weeks	Start Date	Date Studied	Hours Studied	Self Study hours	Remaining study hours		
Data6211	Database Introduction	15	4	12	2023/02/27 13:19:00	2023/03/01 13:19:00	3	8	5	 Delete	
Prog6221	Programming 2A	20	6	12	2023/02/27 13:21:00	2023/03/03 13:21:00	5	10	5	 Delete	
SAND6221	Systems Analysis and Design	15	3	12	2023/02/27 13:25:00	2023/03/14 13:25:00	2	9	7	 Delete	
Wede6021	Web Development Intermediate	15	5	12	2023/02/27 13:23:00	2023/03/06 13:23:00	1	7	6	 Delete	

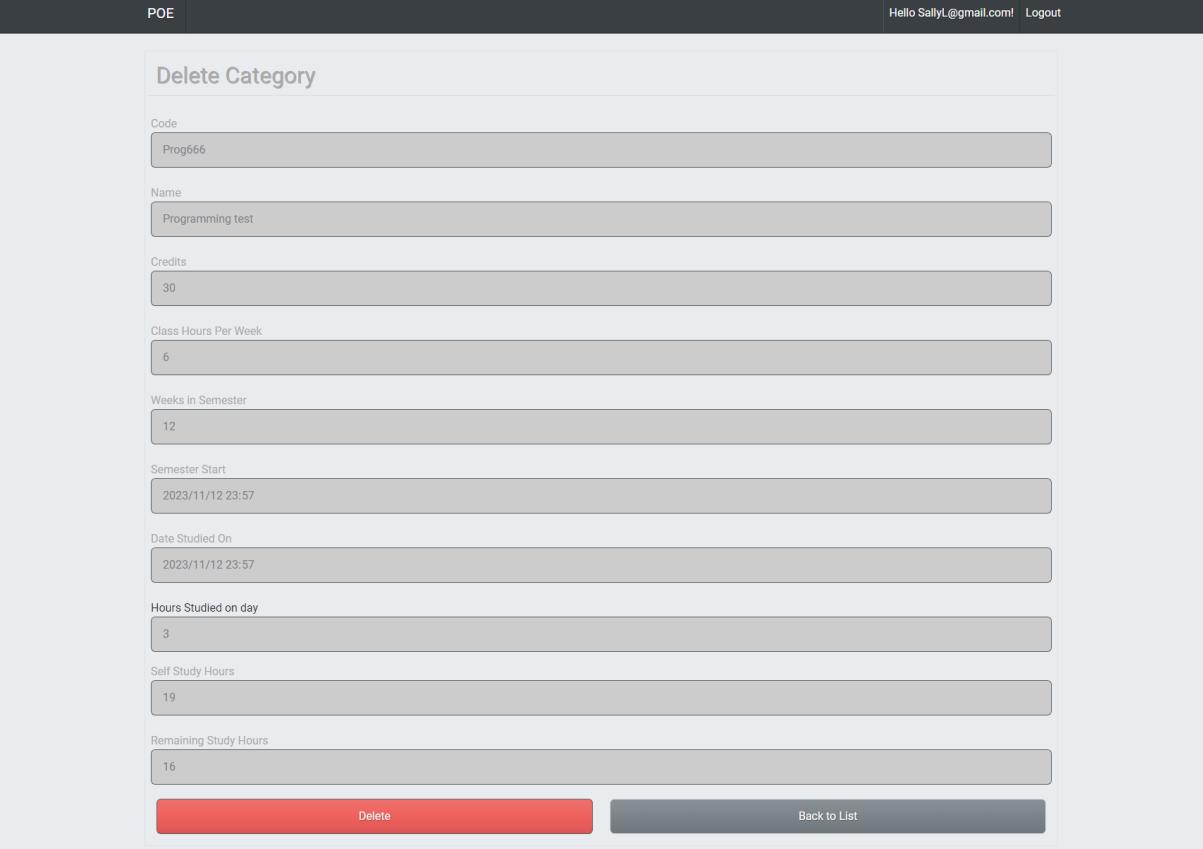
Hours Spent On Modules:

This page is where the user will see the amount of hours they have studied for each of their modules, here the user will get a visual representation of which modules they have studied the most and the least. The x-axis represents the user's Module code and the y-axis is the hours spent on the module for that week. 



Edit and Delete Module:

To remove/Delete a module click on the  button. You will then be redirected to the delete page where you will get a summary of the module that you would like to delete where you will then confirm the deletion of the module by clicking on the  button. 



The screenshot shows a 'Delete Category' form with the following fields:

- Code: Prog666
- Name: Programming test
- Credits: 30
- Class Hours Per Week: 6
- Weeks in Semester: 12
- Semester Start: 2023/11/12 23:57
- Date Studied On: 2023/11/12 23:57
- Hours Studied on day: 3
- Self Study Hours: 19
- Remaining Study Hours: 16

At the bottom are two buttons: a red 'Delete' button and a grey 'Back to List' button.

To edit a module, click on the  button where you will be redirected to the edit module page. On this edit page you will have the ability to edit the chosen module where you can then change the Module code, name, credits, class hours per week, weeks in semester, semester start date, date studied on and hours studied on day. Self study hours and remaining study hours will be visible but the user will not be able to edit them. They are visible to help the user when they edit the 'Hours studied on day' does not exceed the 'remaining study hours'. For example, when the user enters a value for hours studied on day that exceeds the remaining study hours they will be able to see the error message and the value the remaining hours would be and why it can't be that value as it will be below 0 e.g. 

Create Category

- ERROR, Your input of 'Hours Studied on day' exceeds the 'Remaining Study Hours'. Ensure the Hours Studied on day doesn't exceed the Remaining Study Hours

Code

Name

Credits

Class Hours Per Week

Weeks in Semester

Semester Start

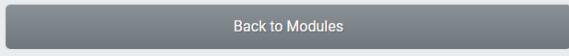
Date Studied On

Hours Studied on day

Self Study Hours

Remaining Study Hours



When the users wants to update the module values they will need to click the



button which will update the module then redirect them back to

the module list e.g 

Create Category

Code
WEDE6222

Name
Web Development Intermediate

Credits
15

Class Hours Per Week
6

Weeks in Semester
12

Semester Start
2023/11/13 00:16

Date Studied On
2023/11/13 00:16

Hours Studied on day
6

Self Study Hours
6

Remaining Study Hours
5

Update

Back to Modules

POE

Hello SallyL@gmail.com! Logout

Module List

Code	Name	Credits	Class Hrs PW	Semester Weeks	Start Date	Date Studied	Hours Studied	Self Study hours	Remaining study hours	Edit	Delete
Data6211	Database Introduction	15	4	12	2023/02/27 18:01:00	2023/03/03 18:01:00	3	8	5		
Prog666	Programming test	15	6	12	2023/11/12 23:57:00	2023/11/12 23:57:00	3	6	3		
SAND6221	Systems Analysis and Design	15	3	12	2023/02/27 18:00:00	2023/03/01 18:00:00	2	9	7		
WEDE6222	Web Development Intermediate	15	6	12	2023/11/13 00:16:00	2023/11/13 00:16:00	6	6	0		

Hours Spent on Modules

Add New Module