

User Manual for Module Management Website

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1. Introduction

1.1 Purpose

This user manual is designed to guide users through the features and functionalities of the Module Management website. The website provides a comprehensive platform for managing university modules like; semesters, modules, and module study records using CRUD operations. Users will also encounter Notyf popups to receive real-time notifications and a graph to display their module records.

1.2 Target Audience

This manual is intended for users who are either new to the Module Management website or need a detailed reference for its various features. It assumes a basic understanding of web navigation and CRUD (Create, Read, Update, Delete) operations.

1.3 System Requirements

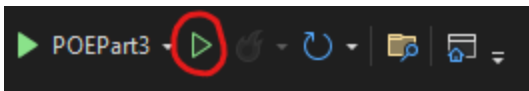
To access and use the website, ensure that you have:

- A modern web browser (Chrome, Firefox, Safari, or Edge) with JavaScript enabled.
- No Internet connectivity is needed to access the website if you host it locally in VS.
- Visual Studio 2022 (Should work for 2019 but must have ASP.NET Core 6).
- SQL Server installed with the local database called: MSSQLLocalDB.
 - You can check by opening Command Prompt and typing 'sqllocaldb i'.
 - If you don't have that installed OR you want to use your own. Go to 'appsettings.json' and change the server name or the string if you have your own.
- The project solution has the NuGet packages and DLL files installed by default already.
- Might say missing package for ModulesLibrary – just wait for it to full load, will sort itself out.

2. Getting Started

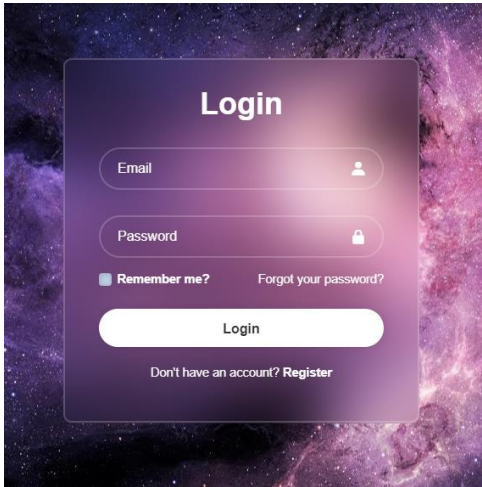
2.1 Accessing the Website

Open the project with Visual Studio and click the 'run without debug' play button at the top. Then it will prompt with certificates just click yes/allow. Then the site should load, creating the database automatically in the background.



2.2 Logging In

Upon accessing the website, you be on the home page. You will see if you click any other tabs, it will redirect you to login/register before accessing them. Enter your credentials in the provided fields (username(email) and password) and click the "Log In" button. If you don't have account click Register.

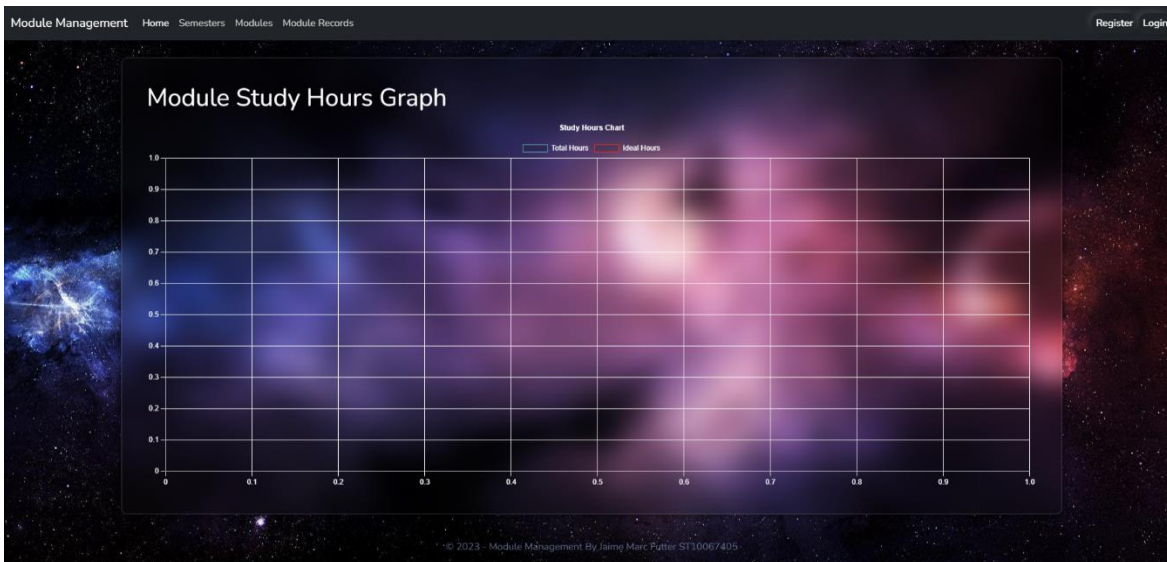


3. Home Page

The home page is the central hub of the website, offering an overview of study records through a dynamic graph.

3.1 Study Records Graph

The study records graph provides a visual representation of your academic progress. Hover over data points for specific information. No CRUD operations are performed directly on this page.



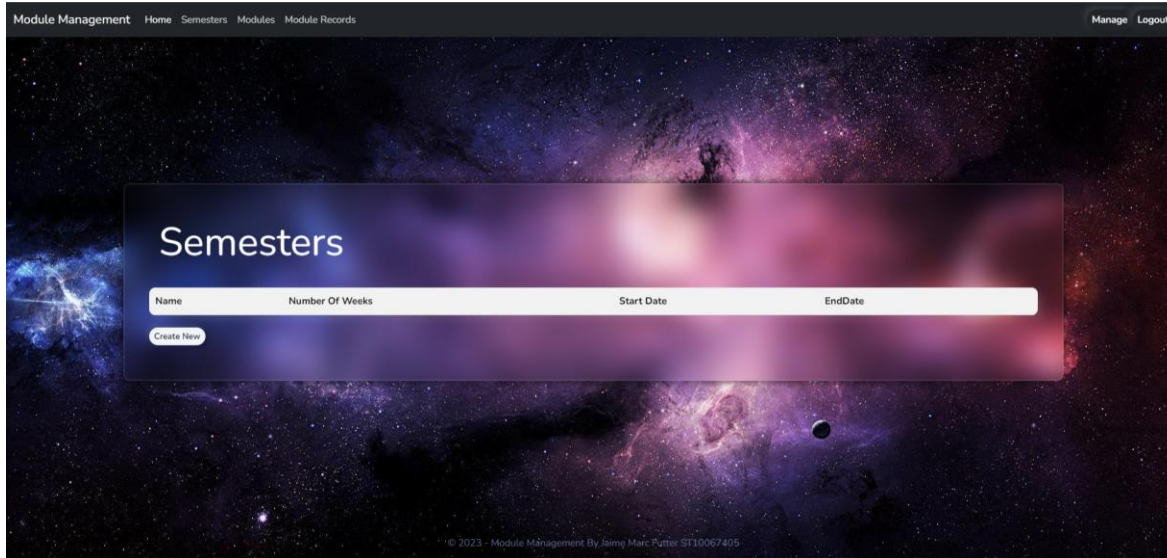
4. Semesters Tab

The Semesters tab allows you to manage academic semesters.

4.1 Viewing Semesters

Click on the "Semesters" tab in the navigation menu.

The page displays a list of existing semesters with details.



4.2 Adding a Semester

Click the "Add Semester" button.

Fill in the required information (e.g., Semester Name, Number of Weeks, Start Date).

Click "Create" to add the new semester.

A screenshot of a web application interface for creating a new semester. The background is a dark space-themed image with a nebula. The main content area is titled "Create Semester" in a large, white font. Below the title, there are three input fields: "Semester Name", "Number Of Weeks", and a date field with the placeholder "yyyy/mm/dd" and a calendar icon. At the bottom, there are two buttons: "Create" and "Back to List".

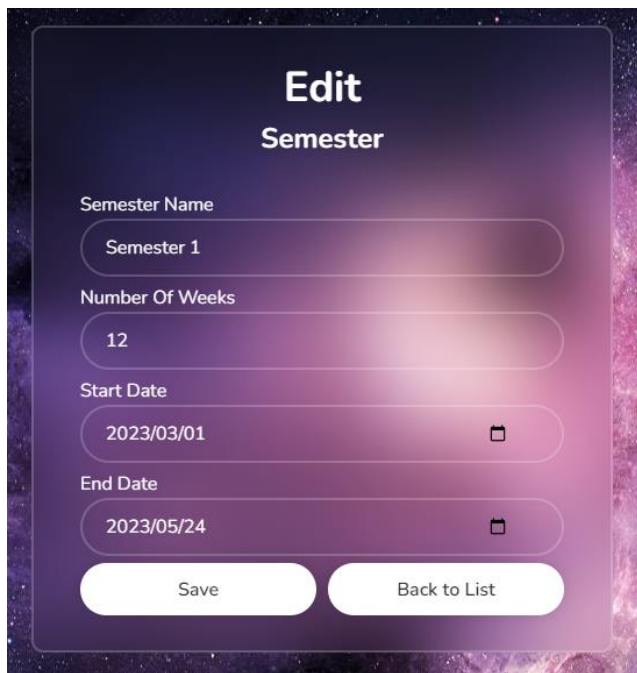
4.3 Editing a Semester

Navigate to the Semesters tab.

Click on the "Edit" button next to the semester you want to modify.

Update the necessary information.

Click "Save" to apply changes.

A screenshot of a mobile application interface for editing a semester. The background is a dark purple gradient with a subtle galaxy pattern. The form is a light purple rounded rectangle. At the top, it says 'Edit Semester' in bold white text. Below are four input fields: 'Semester Name' with 'Semester 1', 'Number Of Weeks' with '12', 'Start Date' with '2023/03/01' and a calendar icon, and 'End Date' with '2023/05/24' and a calendar icon. At the bottom are two white buttons: 'Save' and 'Back to List'.

Edit Semester

Semester Name
Semester 1

Number Of Weeks
12

Start Date
2023/03/01

End Date
2023/05/24

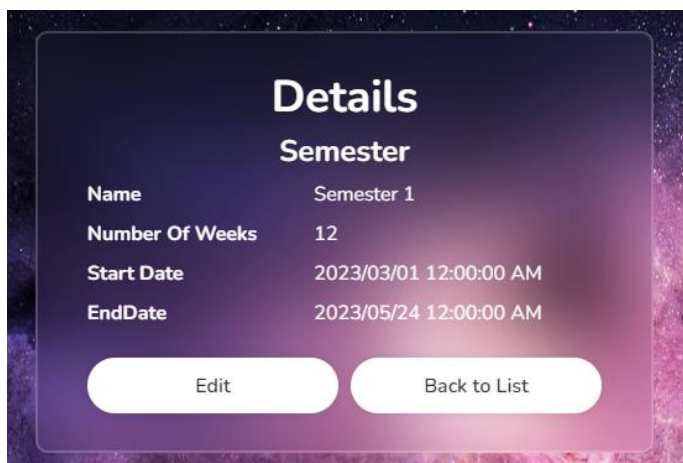
Save Back to List

4.4 Semester Details

Navigate to the Semesters tab.

Click on the "Details" button next to display additional information about that semester.

Click "Edit" if you want to edit OR "Back to list" when done.

A screenshot of a mobile application interface showing the details of a semester. The background is a dark purple gradient with a subtle galaxy pattern. The form is a light purple rounded rectangle. At the top, it says 'Details Semester' in bold white text. Below are four rows of information: 'Name' with 'Semester 1', 'Number Of Weeks' with '12', 'Start Date' with '2023/03/01 12:00:00 AM', and 'EndDate' with '2023/05/24 12:00:00 AM'. At the bottom are two white buttons: 'Edit' and 'Back to List'.

Details Semester

| | |
|-----------------|------------------------|
| Name | Semester 1 |
| Number Of Weeks | 12 |
| Start Date | 2023/03/01 12:00:00 AM |
| EndDate | 2023/05/24 12:00:00 AM |

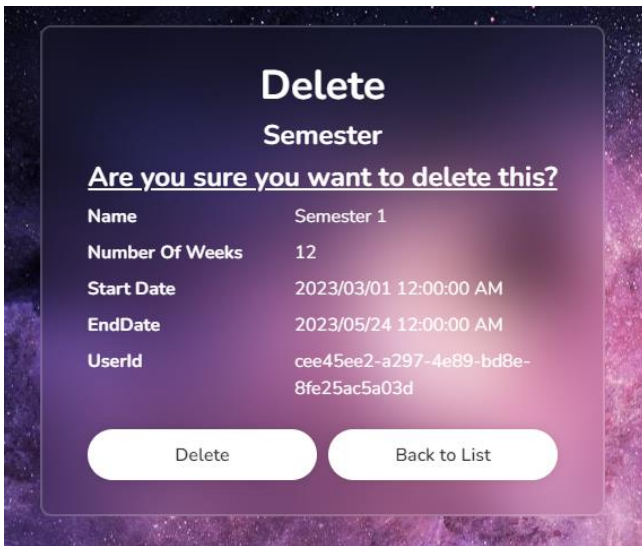
Edit Back to List

4.5 Deleting a Semester

Navigate to the Semesters tab.

Click on the "Delete" button next to the semester you want to remove.

Confirm the deletion when prompted.



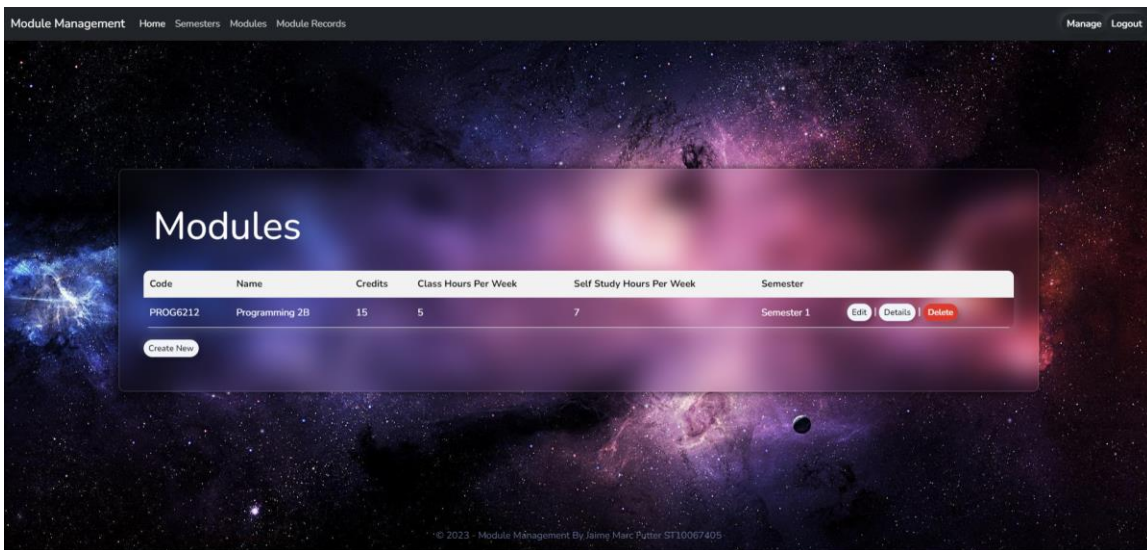
5. Modules Tab

The Modules tab allows you to manage academic modules.

5.1 Viewing Modules

Click on the "Modules" tab in the navigation menu.

The page displays a list of existing modules with details.

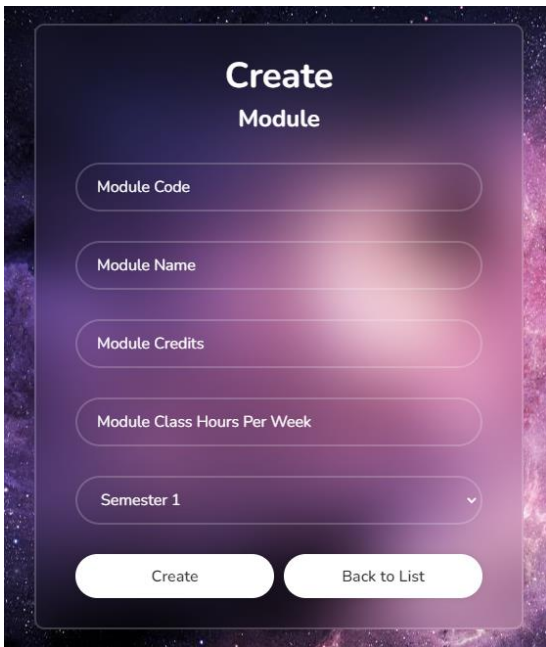


5.2 Adding a Module

Click the "Add Module" button.

Fill in the required information (e.g., module Code, Module Name, Module Credits, Module Class Hours Per Week, and the Semester).

Click "Create" to add the new module.

A screenshot of a 'Create Module' form. The form is titled 'Create Module' at the top. It contains five input fields: 'Module Code', 'Module Name', 'Module Credits', 'Module Class Hours Per Week', and 'Semester 1' (a dropdown menu). At the bottom, there are two buttons: 'Create' and 'Back to List'. The background is a dark purple gradient with a starry pattern.

Create
Module

Module Code

Module Name

Module Credits

Module Class Hours Per Week

Semester 1

Create Back to List

5.3 Editing a Module

Navigate to the Modules tab.

Click on the "Edit" button next to the module you want to modify.

Update the necessary information.

Click "Save" to apply changes.

A screenshot of an 'Edit Module' form. The form is titled 'Edit Module' at the top. It contains six input fields: 'Module Code' (with value 'PROG6212'), 'Module Name' (with value 'Programming 2B'), 'Module Credits' (with value '15'), 'Class Hours Per Week' (with value '5'), 'Self-Study Hours Per Week' (with value '7'), and 'Semester Id' (a dropdown menu with value 'Semester 1'). At the bottom, there are two buttons: 'Save' and 'Back to List'. The background is a dark purple gradient with a starry pattern.

Edit
Module

Module Code

PROG6212

Module Name

Programming 2B

Module Credits

15

Class Hours Per Week

5

Self-Study Hours Per Week

7

Semester Id

Semester 1

Save Back to List

5.4 Module Details

Navigate to the Modules tab.

Click on the "Details" button next to display additional information about that module.

Click "Edit" if you want to edit OR "Back to list" when done.

Details

Module

| | |
|---------------------------|----------------|
| Code | PROG6212 |
| Name | Programming 2B |
| Credits | 15 |
| Class Hours Per Week | 5 |
| Self Study Hours Per Week | 7 |
| Semester | Semester 1 |

Edit Back to List

5.5 Deleting a Module

Navigate to the Modules tab.

Click on the "Delete" button next to the module you want to remove.

Confirm the deletion when prompted.

Delete

Module

Are you sure you want to delete this?

| | |
|---------------------------|--------------------------------------|
| Code | PROG6212 |
| Name | Programming 2B |
| Credits | 15 |
| Class Hours Per Week | 5 |
| Self Study Hours Per Week | 7 |
| UserId | cee45ee2-a297-4e89-bd8e-8fe25ac5a03d |
| Semester | Semester 1 |

Delete Back to List

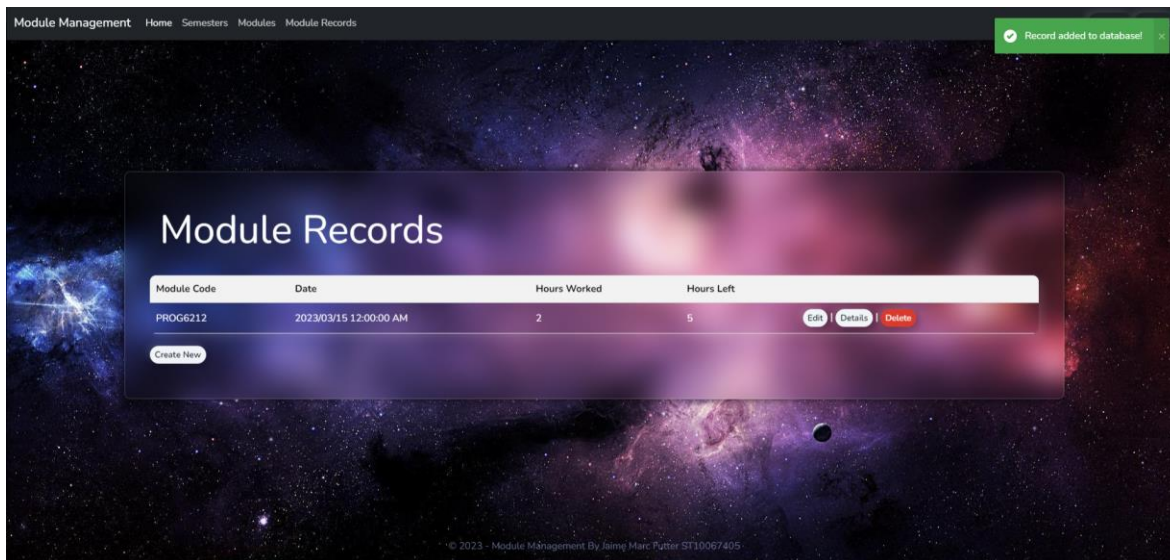
6. Module Study Records Tab

The Module Study Records tab allows you to manage study records associated with specific modules.

6.1 Viewing Module Study Records

Click on the "Module Records" tab in the navigation menu.

The page displays a list of existing study records with details.



6.2 Adding a Study Record

Click the "Create" button.

Fill in the required information (e.g., Module, Date, Hours Worked).

Select the module associated with the study record.

Click "Create" to add the new study record.

The screenshot shows a 'Create ModuleStudyRecord' form. It features three input fields: a dropdown menu for the module code (currently showing 'PROG6212'), a date field with a calendar icon and placeholder text 'yyyy/mm/dd', and a text field for 'Hours Worked'. At the bottom of the form are two buttons: 'Create' and 'Back to List'.

6.3 Editing a Study Record

Navigate to the Module Records tab.

Click on the "Edit" button next to the study record you want to modify.

Update the necessary information.

Click "Save" to apply changes.

The screenshot shows a mobile application interface for editing a study record. The title 'Edit' is at the top, followed by 'Module Study Record'. Below this are four input fields: 'Module Code' with a dropdown menu showing 'PROG6212', 'Record Date' with a date picker showing '2023/03/15', 'Hours Worked' with a text input showing '2', and 'Hours Left' with a text input showing '5'. At the bottom are two buttons: 'Save' and 'Back to List'.

Edit
Module Study Record

Module Code
PROG6212

Record Date
2023/03/15

Hours Worked
2

Hours Left
5

Save Back to List

5.4 Module Details

Navigate to the “Modules Records” tab.

Click on the "Details" button next to display additional information about that record.

Click “Edit” if you want to edit OR “Back to list” when done.

The screenshot shows a mobile application interface for viewing the details of a study record. The title 'Details' is at the top, followed by 'Module Records'. Below this is a table with the following data: Module Code (PROG6212), Date (2023/03/15 12:00:00 AM), Hours Worked (2), Hours Left (5), UserId (cee45ee2-a297-4e89-bd8e-8fe25ac5a03d), and ModuleId (1). At the bottom are two buttons: 'Edit' and 'Back to List'.

Details
Module Records

| | |
|--------------|--------------------------------------|
| Module Code | PROG6212 |
| Date | 2023/03/15 12:00:00 AM |
| Hours Worked | 2 |
| Hours Left | 5 |
| UserId | cee45ee2-a297-4e89-bd8e-8fe25ac5a03d |
| ModuleId | 1 |

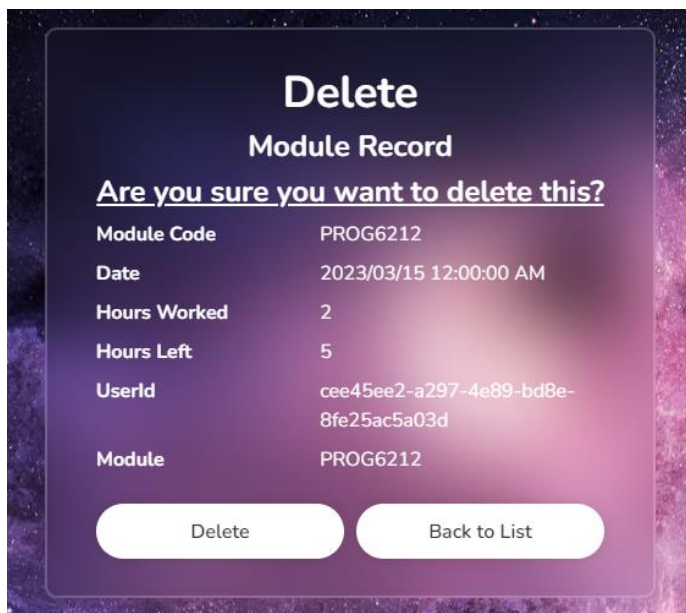
Edit Back to List

6.4 Deleting a Study Record

Navigate to the Module Study Records tab.

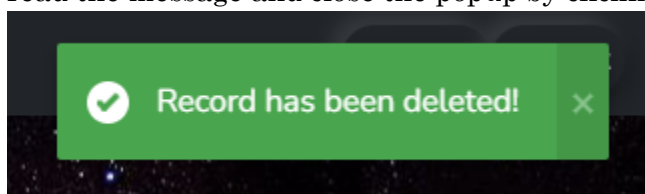
Click on the "Delete" button next to the study record you want to remove.

Confirm the deletion when prompted.



7. Notyf Popups

Throughout your interaction with the website, you may encounter Notyf popups. These are notifications that provide real-time feedback on your actions, such as successful data submissions or errors. Simply read the message and close the popup by clicking the designated button (e.g., "OK" or "Close").



8. Troubleshooting

| Problem | Possible Cause | Solution |
|------------------------------------|--|---|
| Database Connection Issues. | The application may not connect to the database. | Ensure that the connection string in the application's configuration is correctly set up. Verify that the database server is accessible, and the required credentials are provided. |
| Missing Dependencies. | The recipient may encounter missing or outdated dependencies. | Provide clear instructions on how to restore dependencies using a package manager like NuGet. Include a list of required packages and their versions. |
| Environment Configuration | The application may not work due to differences in environment settings. | Document the required environment configurations, including server configurations, IIS settings, and any environment-specific variables. Ensure that the recipient's environment matches the original development environment as closely as possible. |

| | | |
|----------------------------------|--|---|
| Browser Compatibility | The application may not display correctly in certain browsers. | Specify the recommended browsers and versions in the documentation. Ensure that the recipient is using a compatible browser. If issues persist, check for and address any browser-specific quirks or bugs in the application code. |
| Missing Data or Resources | The application may rely on external data or resources that are missing. | Document any external dependencies, such as APIs or services, and ensure that the recipient has access to them. If the application relies on specific data, provide instructions on how to populate the database with initial data. |

If you encounter any issues while using the website, please check the following:

- Clear your browser cache and refresh the page.
- Verify that your browser is up to date.

If problems persist, contact your system administrator for further assistance.

9. Conclusion

This user manual has provided an in-depth guide to using the Module Management website. By following the instructions outlined in each section, you should be able to navigate the website seamlessly, manage semesters, modules, and study records efficiently, and interpret Notyf popups for real-time feedback. If you have any additional questions or concerns, refer to the troubleshooting section or seek assistance from Jaime Futter – ST10067405@vcconnect.edu.za. Happy navigating!