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**Programming 2B POE User Manual**

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## **TimeManagementWebApp**

Welcome to my Time Management Web Application. This ASP.NET Core MVC web application helps students track and plan their studying for their semesters and modules. It makes use of Entity Framework and Azure SQL DB to persist data on the cloud. The app contains full CRUD functionality for student data, as well as notifying students about what and when they need to study.

## Login and Register Views

The image displays two screenshots of a web application interface. The top screenshot shows the 'Sign in' page, which features a clock icon, the text 'Sign in', and two input fields labeled 'Student Number' and 'Password'. Below these fields are two buttons: a blue 'Sign in' button and a red 'Register' button. The bottom screenshot shows the 'Create an account' page, which also features a clock icon, the text 'Create an account', and three input fields labeled 'Student Number', 'Name', and 'Password'. Below these fields are two buttons: a blue 'Register' button and a red 'Back' button. Both pages have a light gray background and a dark browser window header.

When you start the application, you will see the sign in page. Here you can sign in with an account or click the register button. The register button takes you to the page of the same name, which allows you to register as a new student using your student number, name, and password. If you attempt to register with an existing student number, you will be told there is a duplicate in an error message, so student numbers must be unique.

Each registered student will access only their own data and cannot see others. Student data is also persisted in the cloud on an azure SQL database.

## Semester Views

The screenshot shows the 'Semester Views' page of the 'Time Management Web App'. The browser address bar shows 'https://localhost:7071/Semester'. The page has a header with a clock icon, the app name, and a 'Log Out' button. Below the header, there is a 'Hi test' message and a 'Create Semester' button. A table displays the list of semesters:

Semester Name	Weeks	Start Date	End Date	
Semester 1	10	12/1/2022	2/9/2023	<a href="#">Select</a> <a href="#">Edit</a> <a href="#">Delete</a>
Semester 2	6	3/15/2023	4/26/2023	<a href="#">Select</a> <a href="#">Edit</a> <a href="#">Delete</a>

The screenshot shows the 'Create Semester' page of the 'Time Management Web App'. The browser address bar shows 'https://localhost:7071/Semester/Create'. The page has a header with a clock icon, the app name, and a 'Log Out' button. Below the header, there is a 'Create Semester' title. The form contains the following fields:

- Semester Name:** A text input field with the value 'Semester 2'.
- Weeks:** A dropdown menu with the value '6'.
- Start Date:** A date picker field with the value '03/15/2023'.

At the bottom of the form, there are two buttons: 'Create' (blue) and 'Back' (red).

Time Management Web App

Log Out

## Edit Semester

Semester Name

Semester 2

Weeks

6

Start Date

03/15/2023

Save

Back

Time Management Web App

Log Out

Are you sure you want to delete this?

Semester Name	Semester 2
Weeks	6
Start Date	3/15/2023
End Date	4/26/2023

Delete

Back

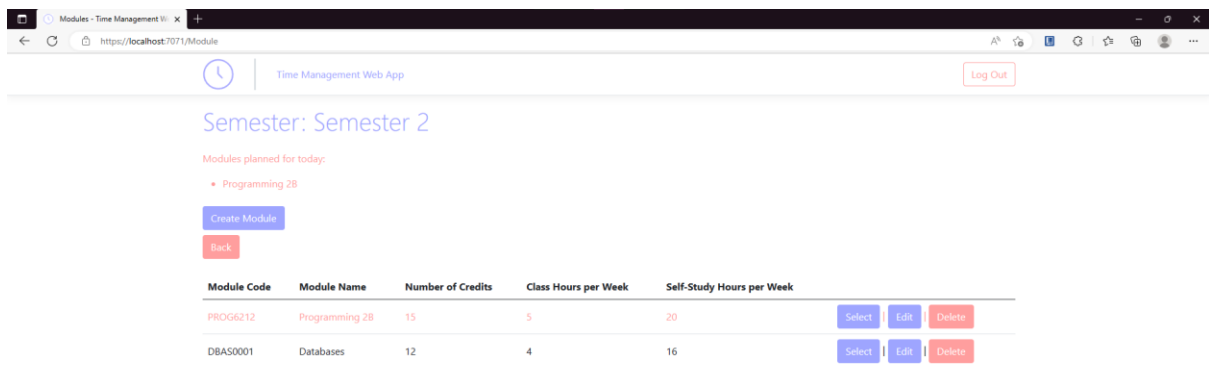
After logging in, you will be shown a page with a list of semesters, which might be empty if you just registered. In that case, you need to add a semester. Click the “Create Semester” button, which takes you to the create semester page.

Fill in the semester name, the number of weeks in the semester, and the start date, then click “Create”. You should now see your semester in the semesters page.

Now, you can either select it to view its modules, or choose to edit or delete it. If you edit it, changing the number of weeks will automatically add or remove any study hours weeks. Similarly, changing the start date will update the weeks shown for the study hours.

Deleting any item in this application will cascade delete child items, so deleting a semester will also delete its modules and their study hours, for example.

## Module Views



Modules - Time Management Web App

Time Management Web App

Log Out

### Semester: Semester 2

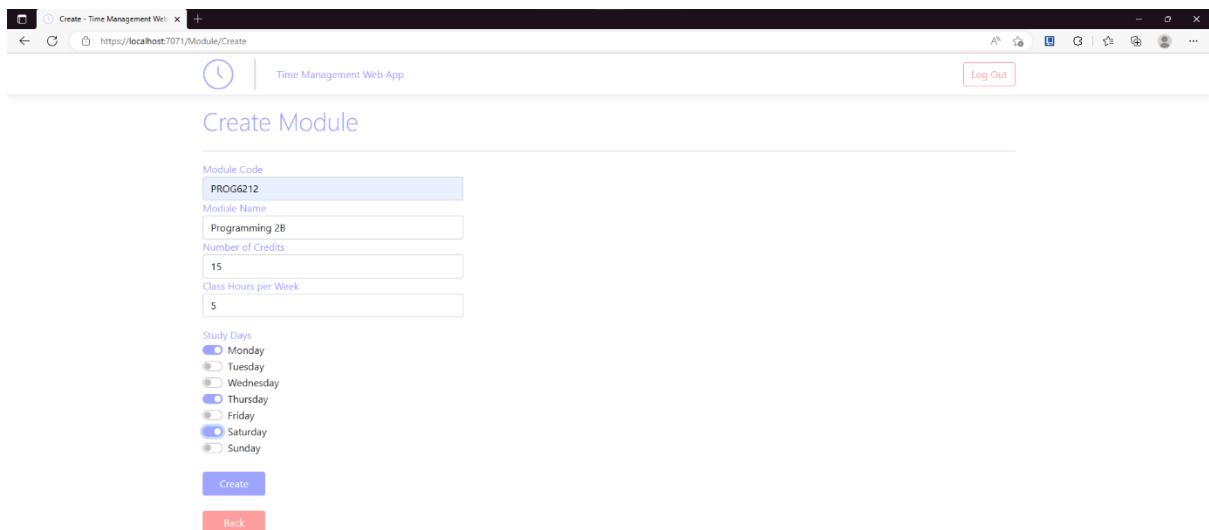
Modules planned for today:

- Programming 2B

Create Module

Back

Module Code	Module Name	Number of Credits	Class Hours per Week	Self-Study Hours per Week	
PROG6212	Programming 2B	15	5	20	Select Edit Delete
DBAS0001	Databases	12	4	16	Select Edit Delete



Create - Time Management Web App

Time Management Web App

Log Out

### Create Module

Module Code

PROG6212

Module Name

Programming 2B

Number of Credits

15

Class Hours per Week

5

Study Days

☒ Monday

☐ Tuesday

☐ Wednesday

☐ Thursday

☐ Friday

☒ Saturday

☐ Sunday

Create

Back

Time Management Web App

Log Out

## Edit Module

Module Code  
PROG6212

Module Name  
Programming 2B

Number of Credits  
14

Changing the number of credits will regenerate your study hours.

Class Hours per Week  
4

Changing the class hours will regenerate your study hours.

Study Days  
☒ Monday  
☐ Tuesday  
☐ Wednesday  
☒ Thursday  
☐ Friday  
☒ Saturday  
☐ Sunday

Save

Back

Time Management Web App

Log Out

## Are you sure you want to delete this?

Module Code  
PROG6212

Module Name  
Programming 2B

Number of Credits  
15

Class Hours per Week  
5

Self-Study Hours per Week  
20

Study Days  
Monday, Thursday, Saturday

Delete

Back

Selecting a semester will bring you to the modules page which contains a list of all the modules in the selected semester. At the top of the page, it will show a list of modules that you plan on studying on the current day of the week. These modules will also be highlighted in the list.

To create a module, click the “Create Module” button. Here you can assign the module code, name, credits, class hours, and use the toggles to set which days of the week you want to study for the module. Creating a module will automatically create study hours items for each week of the semester.

When you edit a module, changing credits or class hours will regenerate all the values of the linked study hours, because these values are used when calculating the initial study hours you



will have for each week. You can also toggle the weekdays to change your module study days at any time, and it will update in the modules list view.

## Study Hours Views

Study Hours - Time Management

Time Management Web App

Log Out

Module: Programming 2B

Current Date: 12/15/2022

Back

Week	Remaining Study Hours	Start Date	Input Hours Studied
1	20	3/15/2023	0 <input type="button" value="Update"/>
2	20	3/22/2023	0 <input type="button" value="Update"/>
3	20	3/29/2023	0 <input type="button" value="Update"/>
4	20	4/5/2023	0 <input type="button" value="Update"/>
5	20	4/12/2023	0 <input type="button" value="Update"/>
6	20	4/19/2023	0 <input type="button" value="Update"/>

Study Hours - Time Management

Time Management Web App

Log Out

Module: Programming 2A

Current Date: 12/15/2022

Back

Week	Remaining Study Hours	Start Date	Input Hours Studied
1	0	12/1/2022	0 <input type="button" value="Update"/>
2	0	12/8/2022	0 <input type="button" value="Update"/>
3	5	12/15/2022	3 <input type="button" value="Update"/> (Current Week)
4	10	12/22/2022	0 <input type="button" value="Update"/>
5	10	12/29/2022	0 <input type="button" value="Update"/>
6	10	1/5/2023	0 <input type="button" value="Update"/>
7	10	1/12/2023	0 <input type="button" value="Update"/>
8	10	1/19/2023	0 <input type="button" value="Update"/>
9	10	1/26/2023	0 <input type="button" value="Update"/>
10	10	2/2/2023	0 <input type="button" value="Update"/>

When selecting a module, you will see the list of weeks in the semester, with the remaining recommended amount of study hours for each week. These cannot be created or deleted directly, but you can input hours studied and update them for each week. The current week is highlighted to allow you to find it faster.

Once you are done managing your information, you can click the “Log Out” button to exit and return to the sign in page.