

README

Continuous Assessment 1

Module Title: Back-end Web Development

Module Code: BSC30920

Assessment Type: Individual Project

Id Student: 20325

Student Name: Bruno Henrique Mello Mendanha

Small project summary:

This is a web application using Node.js that can perform CRUD operations on a Mongo DB database.

As an example, the registration of classes at a gym was used.

The CRUD requirements have all been met.

The fields in the database are:

- Class
- Personal
- Weekday
- Duration
- Price

// Before starting, run the commands below at the command prompt inside the main folder where the project is:

> npm -y init

> npm install express

> npm install ejs --save

> npm install mongodb --save

To load the script on the terminal:

> nodemon ca20325.js

Visit:

> localhost:3000/show

If the message **"API started!"** and **"App listening on port 3000!"** it means that the above steps were performed correctly.

```
File Edit Selection View Go Run Terminal Help
ca20325.js - CA20325 - Visual Studio Code

JS ca20325.js
> console.log('Class saved in the database ');
60 res.redirect('/show');
61 });
62 });
63
64 //prettier-ignore
65 //route to edit/update record (Method: GET -- POST)
66 app.route('/edit/:id')
67
68 .get((req, res) => {
69   var id = req.params.id;
70   db.collection('timetable').findById(id).toArray(
71
TERMINAL
DEBUG CONSOLE
PROBLEMS
OUTPUT
1: node
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,json
[nodemon] starting 'node ca20325.js'
(node:16420) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version.
To use the new Server Discovery and Monitoring engine, pass option { useUnifiedTopology: true } to the MongoClient constructor.
API started!
App listening on port 3000!
```

If an error message appears on the console, follow the steps above again (run the routine corresponding to the error message)

Class Registration

Class name
Personal name
day of the week
in minutes
Room
€

Save View table

Class Registration

Karate
Bruno
Tuesday
90
200
50

Save View table

Class listing

| Class | Personal | Weekday | Duration | Room | Price | |
|-------------|----------|-----------|----------|------|-------|----------|
| Karate | Bruno | wednesday | 90 | 200 | 50 | Edit Del |
| Karate | Bruno | friday | 90 | 200 | 50 | Edit Del |
| Muai Thay | George | Tuesday | 90 | 205 | 50 | Edit Del |
| Muai Thay | George | Thursday | 90 | 205 | 50 | Edit Del |
| Free Weight | Fernanda | monday | 30 | 100 | 35 | Edit Del |
| Free Weight | Fernanda | Thursday | 30 | 100 | 35 | Edit Del |
| Free Weight | Fernanda | friday | 30 | 100 | 35 | Edit Del |
| Karate | Bruno | Tuesday | 90 | 200 | 50 | Edit Del |

Add a new class(+)

localhost:3000/edit/5fb7bf84acaa3e3d487e53f5

Edit data

[Return](#)
[Update](#)

localhost:3000/edit/5fb7bf84acaa3e3d487e53f5

Edit data

[Return](#)
[Update](#)

localhost:3000/show

Class listing

| Class | Personal | Weekday | Duration | Room | Price | |
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[Add a new class\(+\)](#)