**BSc in Science in Computing & Multimedia**

**Year 3, Semester 1, 2021**

**BACK-END WEB DEVELOPMENT**

**Continuous Assessment II**

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**Module Code:** BSC30921

**Assessment Type:** Individual Project

**FULL STACK WEB APPLICATION**

**GITHUB LINK:** <https://github.com/21565-Alessandra/21565-BEWD-CA2>

For this assessment it was created a new API to be used as a back-end server. The previous API was obtaining *bands* information and the current one retains *singers’* details. A new mongoDB was built and this API counts with its own database server.

CREATE REACT APP

The react app was installed in order to build users interfaces for the pages of this applications.

To install it, the following commands were used:

*npx create-react-app <app-name>*

*cd <app-name>*

*npm start*

Once it was installed, it is needed to type on terminal:

*npm i* (to install/update the packages)

*npm start* (to run the application)

REACT ROUTER

React Router is a standard library for routing in React. It enables the navigation among views of various components in a React Application. To install the React Router it was used the following commands on terminal:

*npm install react-router-dom@6*

AXIOS

Axios is a Javascript library used to make HTTP requests from node. To install Axios it was typed on the terminal:

*npm i axios*

To run the application, it is necessary to also run the server individually. To make it possible the port of the back-end server can’t be the same as the front-end app.

An individual terminal can be opened directly at the folder by right clicking on the folder were the files are in and then clicking at Git Bash Here.

A screenshot of a computer

Description automatically generated with medium confidence

At this terminal it was used the following commands:

Text

Description automatically generated

Then, at Visual Studio, in the folder were is the front-end files it was typed *npm start* and the following result was opened at the browser:

Graphical user interface, text, application

Description automatically generated

The same information was printed at the back-end terminal:

Text

Description automatically generated