COMP 9783 Front-end Development

Lab-4-1 - React Lists Lab. (4% of the course mark)

Name:

Student Number:

In this	lab, students will learn how to effectively use lists and keys in React to render collections
of data	э.
Lab ob	ojectives:
1.	Understand how to use the map function to render a list of items dynamically.
2.	Learn the importance of using unique keys for list items to ensure efficient rendering
	and updating.
Create	e a react app:
On VS	Code, open the terminal and type the following commands:
1.	create-react-app react-list-app and press enter. This will create the files and folders
	required by React.
2.	On the src folder , delete the following files:
	a. App.css
	b. App.test.js
	c. index.css
	d. logo.svg
	e. reportWebVitals.js
	f. setupTests.js
3.	Modify ./src/index.js and remove the following code and save the changes:
	a. import './index.css';

b. import reportWebVitals from './reportWebVitals';

- c. // If you want to start measuring performance in your app, pass a function
- d. // to log results (for example: reportWebVitals(console.log))
- e. // or send to an analytics endpoint. Learn more: https://bit.ly/CRA-vitals
- f. reportWebVitals();
- 4. Modify ./public/index.html and update the title html code and save the changes:
 - a. <title>react-list-app</title>
- 5. Inside **src** create a folder named: **components**, we will use this to organize **function components**.
- 6. In class we have demonstrated how to use the following css frameworks:
 - a. Bulma
 - b. Bootstrap
 - c. Tailwind
 - d. Sakura
- 7. Feel free to use any css framework to style your react app.
- 8. **Implement** a **component** that will **display any list** and based on the **css framework of your choice**, use an **appropriate css component / element** to implement the list.
 - a. Ensure that unique keys are assigned to the parent element that repeats.
 - Ensure that there are no errors on the browser console when your app is loaded.
 - c. You can use the following apps as reference:
 - i. https://github.com/roderickkit-bernardo/Full-Stack-Files/tree/main/Front
 end-Development/Code/Basic-App/react-basic-app
 - ii. https://github.com/roderickkit-bernardo/Full-Stack-Files/tree/main/Front
 end-Development/Code/React/react-list-app

Submission:

- 1. Inside the root folder of the app, delete the node modules folder.
- 2. Create a zip file of the app.
- 3. Submit the zip file to GBC D2L.