Exercise X: Employee information

Due date: X

**Goal: Create a full stack application with a React front end, and use express/mongoose to communicate with a MongoDB database.**

I would like you to create an app that implements the basic information presentation of the company's employees. Open the home page to display a list of all employees, but you can also create, edit and modify a specific employee. Please read each of the instructions for each class to see how you should implement each class.

You must have:

• React Front End

• Express Back End

**React Front End**

To start creating the following files in a folder called “***Exercise X”***:

• EmployeeDetail.js

• EmployeeList.js

EmployeeDetail.js:

Create a class that will be able to handle events (think about what you’ll have to extend). This component class displays fields as following:

• ID

• Name

• Age

• Salary

• Join Date

• Phone Number

The functions you must implement in the class are as follow (you may write more):

• goback

o This should go back to the main page

• save

o Save changes to employee data

• ComponentDidMount

o get the specific employee info with the id in this.props.match.params.id by fetch; or create a temporary employee to create. The employee info should be stored in state.

Tips: ComponentDidMount() is invoked immediately after a component is mounted (inserted into the tree). Initialization that requires DOM nodes should go here. If you need to load data from a remote endpoint, this is a good place to instantiate the network request.

EmployeeList.js:

All employees' data and information will be displayed in here. Include:

• ID

• Name

• Age

• Salary

• Join Date

• Phone Number

The functions you must implement in the class are as follow (you may write more):

• ComponentDidMount

o get all of the employees info by fetch. The employee info should be stored in state.

**Express Back End**

o Create router employees.js

o Must handle each of the above requests

o Communicates with your database

Please leave your database URL and Password

Must use Mongoose

Must create a schema and a model.

o Must have restful api style.

\*\*Please test your code thoroughly!\*\*