

Your assignment is to build a React Single Page Application (SPA) that serves as a Control & Manage System (CMS) for a people list. Your previous assignment will be used to provide the data.

The page should have a list of people, which when clicked on will show detailed information about that person (their name, city, country & languages). This data should be possible to change and doing so should update the list both on the website but also in the database.

## Required Features:

- Backend - ASP.NET Core MVC from [previous assignment](#).
  - Create a new controller to be used for your React frontend.
    - Actions shall return JSON and/or http status codes only (no views).
    - ◊ Use the services you already have created in the previous assignments.
- Front-End - React
  - One table component that shows all the people in the database.
    - Be able to sort the table content by person's name (with React).
  - One details component that shows all the information related to the person selected from the table.
    - Details shall have a button to delete selected person.
  - One create person component.
    - shall retrieve the list of Countries and Cities and make drop down to select from during creation.

## Code Requirements:

- All interactions should use React to change the contents of the page, to prevent refreshing of the page in the browser.
- Data shall be loaded through an AJAX/Axios request and sent to the page as JSON.
- Data should be validated in the frontend before sending it to the backend.
- Data must be in sync between Frontend & Backend.

## Optional:

- Add edit for Person.
- Add the same functionalities for City.
- Add the same functionalities for Countries.

## Resources:

- <https://reactjs.org/docs/thinking-in-react.html>
- <https://www.taniarascia.com/getting-started-with-react/>
- <https://app.pluralsight.com/paths/skill/building-web-applications-with-react>

## Subjects Covered:

- React
  - Components
  - State & Props
  - Controlling a Form
  - Axios or AJAX
  - Sorting lists