

React Task 1 - Components, state and props

The main goal of this task is to create app skeleton - set of some simple components for the app.

Please, follow next steps:

Steps:

Installation CRA (Create React App) and generation new project:

1. Install CRA globally

```
npm install create-react-app -g
```

2. Generate React project

```
create-react-app courses-app
```

3. Go to your project directory

```
cd courses-app
```

4. Configure `eslint` and `prettier`

See instruction in the `ESLINT_instruction`

5. Configure `pre-commit` hook.

See instruction in the `PRE-COMMIT_instruction`

6. Run your project

```
npm run start
```

Project structure requirements

1. You should use **functions** components for your app.

2. Rename `App.js` to `App.jsx`.

3. `App.jsx` - main app file.

4. Delete unnecessary files:

- `src/App.test.js`

- `src/logo.svg`

5. Delete default code in files:

- `src/App.jsx`
- `src/App.css`

You can do like this:

```
function App() {  
  return <div>React</div>;  
}  
  
export default App;
```

Result in the browser:

React

6. Create folders and `jsx` files for each component. Follow the architecture below:

```
src  
|-- App.jsx  
|-- App.css  
|  
|-- components  
|   |-- Header  
|   |   |-- Header.jsx  
|   |   |  
|   |   |-- components  
|   |       |-- Logo  
|   |       |-- Logo.jsx  
|   |  
|   |-- CreateCourse  
|   |   |-- CreateCourse.jsx  
|   |  
|   |-- Courses  
|   |   |-- Courses.jsx  
|   |   |  
|   |   |-- components  
|   |       |-- SearchBar
```

```

|   |   |   |__ SearchBar.jsx
|   |   |   |__ CourseCard
|   |   |   |__ CourseCard.jsx
|   |   |   |__ // any components you want to add
|   |   |   |
|-- common
|   |   |   |--Button
|   |   |   |   |__ Button.jsx
|   |   |   |   |
|   |   |   |__ Input
|   |   |   |   |__ Input.jsx
|   |   |   |   |
|   |   |   |__ //any common components you want to add
|   |   |   |
|-- helpers
|   |   |   |--pipeDuration.js // a helper to format course duration
|   |   |   |-- dateGeneratop.js // a helper to get current date in the correct format
|   |   |   |__ // any helpers you want to add
|   |   |   |
|-- constants.js // file with mocked data
|   |   |   |
|_ ...

```



The presented architecture is required for use, BUT you can add files and folders at your discretion.

7. You can use any way to add styles to components
(styled components, Bootstrap, ets).




Please, keep each component's style file in their appropriate folders

8. You can choose the design at your discretion.

It is important to keep the layout

(the arrangement of elements on the page)

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Java

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged.

Authors: Dave Simmonds, Nikolas Le-Mark
Duration: 8:00 hours
Created: 01.02.2018
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ASP .NET

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Authors: Anna Sidorenko, Valentina Larina
Duration: 24:35 hours
Created: 11.12.2020
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JavaScript

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Authors: Vasily Dobkin, Nicolas Kim
Duration: 10:00 hours
Created: 20.05.2019
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Angular

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged.

Authors: Dave Haisenberg, Tony Ja
Duration: 2:30 hours
Created: 20.03.2012
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App initial view

Criteria (20 points max)

Common

- [1 point] - The architecture of the application **should be** the same as presented above.
- [1 point] - Components are presented as **function components** (not class components).
- [1 point] - Use `.jsx` extensions for files with `jsx syntax`.
- [1 point] - All inputs and buttons should be reusable components.
- [2 points] - `eslint`, `prettier` and `pre-commit hook` work correctly.

Searching

- [1 point] - Implement searching functionality by title. Reset search result when searchbar is empty.
- [1 point] - Implement searching functionality by id. Reset search result when searchbar is empty.

Courses

- [2 points] - Show list of courses.

CreatCourse Component

(Add new course in COMPONENTS)

- [1 point] - Possibility to add a title.
- [1 point] - Possibility to add a description.
- [1 point] - Possibility to add a duration.
- [2 points] - Show duration time in a format «hh:mm».
Example: **122 min** should be showed as **02:02 hours**.
- [1 point] - Add logic for creating new author.
- [1 point] - Add logic for adding author to **Course authors**
- [1 point] - Add logic for deleting author from **Course authors**
- [2 points] - Add logic for saving course (new course should be presented in the courses list).

Please find a detailed description of components and functionality in the file COMPONENTS