

Tutorial 06: React – Form and event handling

NOTE: If you have problem with installation, you may use **CodeSandbox CDE** to write React codes for free (<https://codesandbox.io/>) for this tutorial

Refer to sample codes shared on **SPeCTRUM**.

JSX allows us to write **HTML** in **React** by converting **HTML** into **React** components.

Two main rules of writing **JSX**:

- You must explicitly close self-closing elements like `
`
- Components can only return a single element
 - If you have multiple elements, only the top element will be returned
 - E.g. Utilize `<div> </div>` as top (parent) element

1. Create a directory named '**components**' inside the '**src**' directory in your react app folder
2. In the '**components**' directory, create a new component directory named 'JobForm'
3. In the 'JobForm' directory, create new component file name "JobForm.js" or "JobForm.jsx"
 - a. Write a JobForm component to include a dropdownlist and a submit button. The dropdownlist should display a list of café jobs: Barista, Manager, Trainee. You may refer to the previous tutorial for café jobs array object.
 - b. Export the component: In **JSX**, '**export default**' statement is used to export a single value or component from a module that is present by default in your script so that others script can import that for use.
4. Styling components: In the '**JobForm**' directory, create new css file name '**JobForm.css**'
 - a. Write some css codes to design this component. You may create your own css class element to be used in the component.
 - b. Syntax for **JSX**, we need to define css class using '**className**', instead of 'class'.
 - c. In the **JobForm.js** file, add the codes to import this css file:

```
import "../JobForm.css";
```

5. In the **App.js** file (inside '**src**' directory)
 - a. import this component before using it, for example:

```
import JobForm from "../components/JobForm/JobForm";
```

- b. Add the component name using `<component name/>` in the **App.js** file, for example:

```
export default function App() {  
  return (  
    <div>  
      <h2>Café Job Application Form</h2>  
      <JobForm />  
    </div>  
  );  
}
```

6. Refer to sample React codes related to forms and event handling, modify the App.js and JobForm.js components to handle an onClick (submit button) or onChange event (dropdownlist) to print messages and values to the console.