

Introduction to ReactJS (Part II of a Series)

Instructors: Reuben Devanesan, Kanishk Singhal, Ananthu JP

Create React App

Project Folder

Components

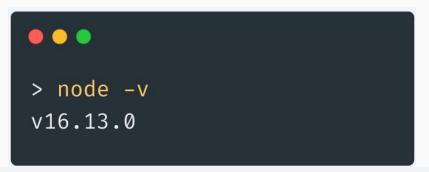
Adding CSS

Tailwind

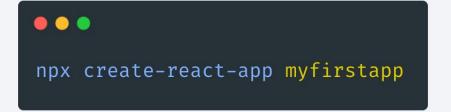
Setup a Basic Page

Virtual DOM

1. Node version (v16.0 and above)



2. Create your first react app.



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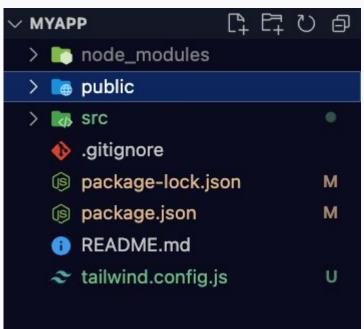
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- **1. node_modules:** Contains project dependencies managed by npm or Yarn. You don't typically modify this folder.
- **2. public:** Houses static assets like index.html, images, and icons. Contents are included in the final build output.
- **3. src:** Main source code folder where you write your React application logic and components.

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Function Based Component

They are **simpler** and more **concise**. They are defined as JavaScript functions and take **props** (**input data**) as an argument, returning **React elements** to be rendered.

Class Based Component

They are are JavaScript classes that extend from React.Component. They have a bit more boilerplate but offer additional features, such as state management and lifecycle methods.

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1. Inline CSS

```
<h1 style={{ textAlign: "center", color: "red" }}>Hello World</h1>
```

2. External CSS

```
App.css
```

• • •

```
.head1 {
    text-align: center;
    color: "red"
}
```

```
<h1 className="head1">Hello World</h1>
```

App.js

3. Advanced CSS

Bootstrap



Tailwind

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1. Install Tailwind CSS

```
Terminal

> npm install -D tailwindcss
> npx tailwindcss init
```

2. Configure your template paths

```
tailwind.config.js

/** @type {import('tailwindcss').Config} */
module.exports = {
   content: ["./src/**/*.{html,js}"],
   theme: {
     extend: {},
   },
   plugins: [],
}
```

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- 1. Conditional Rendering
- 2. Array Map
- 3. Arrow function
- 4. Props
- 5. State Management

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