Styling

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Styling

Outline

- Styling with Class
  - className
- Organizing Components
- Advantages of Project Structure
- Goals of Project Structure
- Sample Project Structure
- Project Outline
  - Quick Mental Project Outlining

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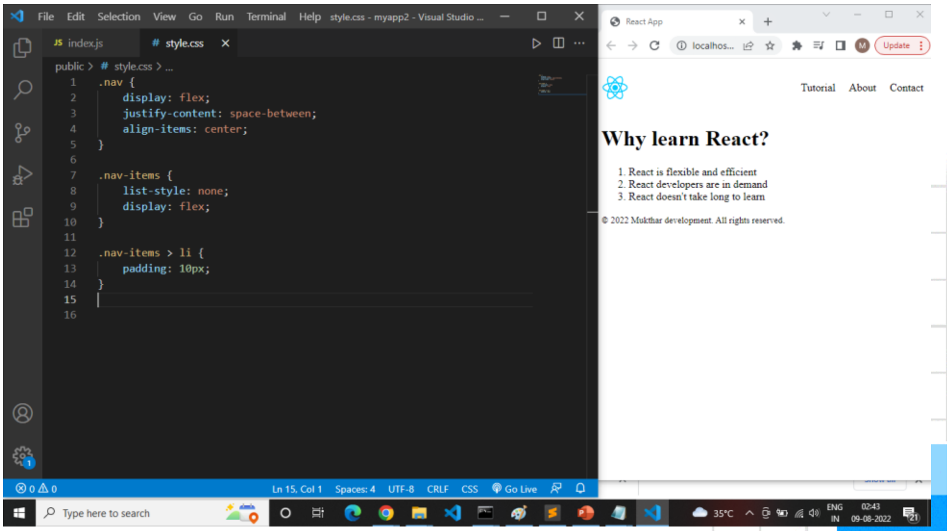
Styling with Classes

- Styling in React is done using **CSS**
- Since **CSS** file is a static file it is placed in the '**public**' folder in **React >= 18.0**
- The way in which we link the CSS file is same
  - Done using the **<link>** tag in the **index.html** file
- React elements are reference in the CSS file using the **className** attribute
  - **NOTE**: **className** is in **CAMEL CASE**

Styling with Classes



```css
.nav {
    display: flex;
    justify-content: space-between;
    align-items: center;
}

.nav-items {
    list-style: none;
    display: flex;
}

.nav-items > li {
    padding: 10px;
}

```

Why learn React?

1. React is flexible and efficient
2. React developers are in demand
3. React doesn't take long to learn

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Organizing Components

- **React's** ecosystem aims to give users complete control over everything.
  - without being tied to a any particular way of doing things.
- Some **common patterns** and **conventions** have been established (recently).
- One thing that the **React** community has stayed away from is standardizing a unified project structure.
- Having a **concrete** project structure often leads to **brittle code**.
- Having a **flexible** project structure can have many **merits**.

Advantages of a Project Structure

- Teams don't have to argue on project structure, instead focus on building the app
- Consistent structure across projects helps people get acquainted with the project quickly.
- People with less experience can also build scalable projects.
- Code sharing + reuse is increased as a more modular structure is created.

Consistency is key.

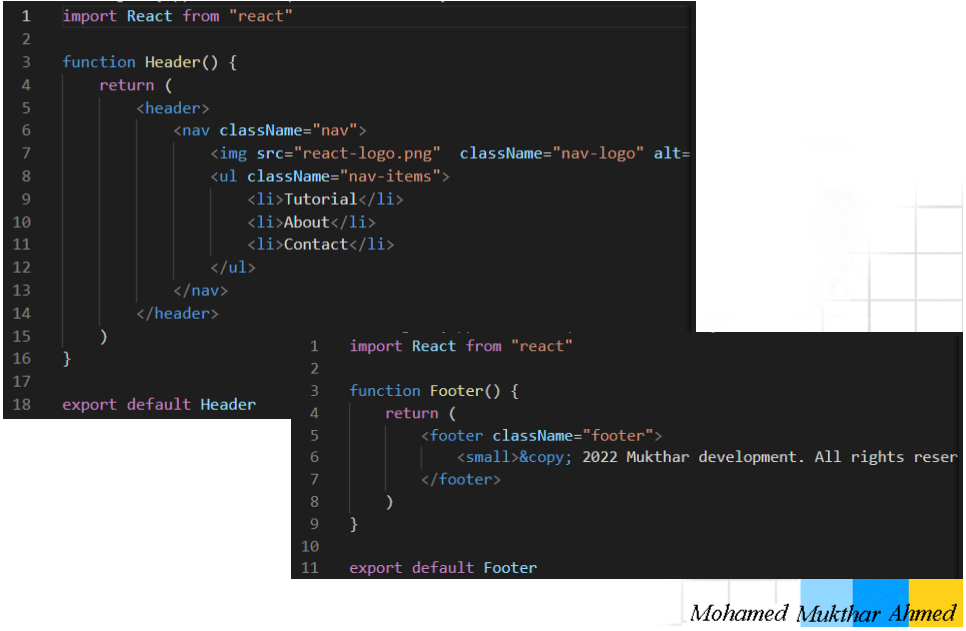
- If you stay consistent then no matter what convention you follow, you'll probably be able to scale your code.

Goals of Project Structure

- **Productivity** should be increased.
    - Fuzzy searching files in text editor must be easier.
- Moving files should be **effortless**.
- **Flexible** and **not too highly dictative**.
    - There should be some room for developers to do their own thing.
- Structure should encourage **scalability**, but also **reusability**.
- Structure should be simple enough for new team members to quickly get onboard and dive into the project.

Consistency is key

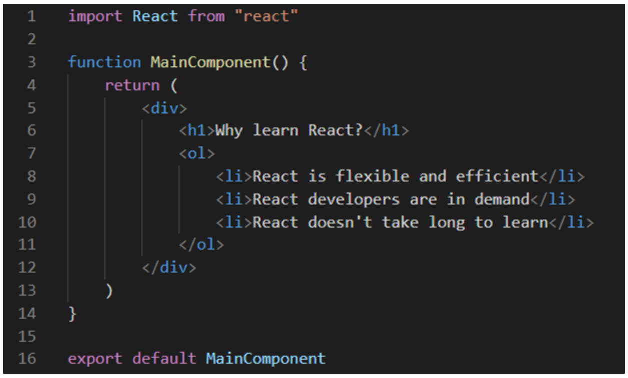
Sample Project Structure



```
import React from "react"

function Header() {
    return (
        <header>
            <nav className="nav">
                <img src="react-logo.png"  className="nav-logo" alt=
                <ul className="nav-items">
                    <li>Tutorial</li>
                    <li>About</li>
                    <li>Contact</li>
                </ul>
            </nav>
        </header>
    )
}

export default Header
```

```
import React from "react"

function Footer() {
    return (
        <footer className="footer">
            <small>&copy; 2022 Mukthar development. All rights reser
        </footer>
    )
}

export default Footer
```

Sample Project Structure



```
import React from "react"

function MainComponent() {
    return (
        <div>
            <h1>Why learn React?</h1>
            <ol>
                <li>React is flexible and efficient</li>
                <li>React developers are in demand</li>
                <li>React doesn't take long to learn</li>
            </ol>
        </div>
    )
}

export default MainComponent
```

React uses the **PascalCase** convention to name a Function Component

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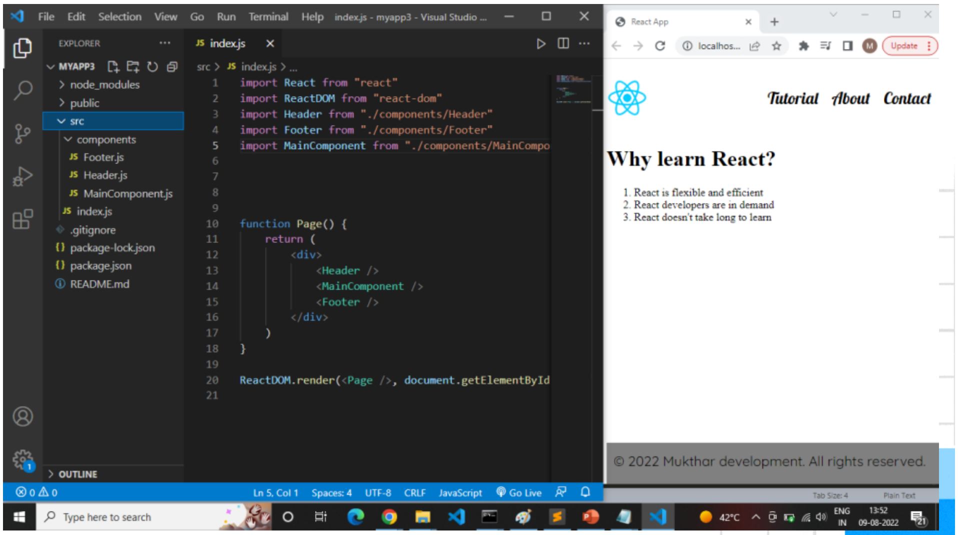
Sample Project Structure



```
import React from "react"
import ReactDOM from "react-dom"
import Header from "./components/Header"
import Footer from "./components/Footer"
import MainComponent from "./components/MainCompo




function Page() {
    return (
        <div>
            <Header />
            <MainComponent />
            <Footer />
        </div>
    )
}

ReactDOM.render(<Page />, document.getElementById

```

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