A server can be created using [Java Spring](https://spring.io/projects/spring-framework) , [Python Flask](https://flask.palletsprojects.com/en/2.2.x/) or [Ruby on Rails](http://rubyonrails.org/) to name just a few examples.

The example uses [Express](https://expressjs.com/) library with Node.js. This course will use Node.js and Express to create web servers.

Code . – command to run current folder in react.

Custom react component start with capital letter.

Only one parent component is allowed in root.render. Every React component must return only one parent element.

Custom component syntax 🡪 function Hello() { return (<div> … </div>)} – Use like this - <Hello />

We use className instead of class in react jsx code.

In css . for class and # for id.

Syntax for inline style - > <span style={{ paddingBottom: "30px", textAlign: "center" }}>

my travel journal

</span>

To align flex items to center use align-items: center; and justify-content: center;

display: flex; has default as horizontal placing of flex items.

Naming convention of folder and file structure - >

src/

│

├── assets/ # Images, fonts, icons

│ ├── images/

│ └── icons/

│

├── components/ # Reusable UI components

│ ├── Button/

│ │ ├── Button.jsx

│ │ └── Button.module.css

│ └── Header/

│ ├── Header.jsx

│ └── Header.module.css

│

├── features/ # Feature-specific folders

│ ├── auth/

│ │ ├── LoginForm.jsx

│ │ ├── RegisterForm.jsx

│ │ └── authSlice.js

│ └── todo/

│ ├── TaskList.jsx

│ └── taskSlice.js

│

├── hooks/ # Custom hooks

│ ├── useAuth.js

│ └── useForm.js

│

├── pages/ # Route-level pages

│ ├── Home.jsx

│ ├── About.jsx

│ └── NotFound.jsx

│

├── services/ # API calls and external services

│ └── api.js

│

├── utils/ # Helper functions

│ └── formatDate.js

│

├── App.jsx # Root component

└── main.jsx # Entry point

Best practices for naming convention for css class names in react. 🡪

1. Use clear and intent-based names: .product-card\_\_image {}; .login-form\_\_submit-button {}.
2. Use ComponentName.module.css with the component. Avoid putting everything in a giant App.css.
3. import styles from './MyComponent.module.css'; function MyComponent() { return <div className={styles.card}>Hello</div>;}
4. Use BEM (Block Element Modifier) Naming - .block {} .block\_\_element {} .block--modifier {}. Example –

.card {}

.card\_\_title {}

.card\_\_description {}

.card--highlighted {}

1. When not using CSS Modules (e.g., using global styles), prefix class names to avoid conflicts. /\* Instead of this: \*/

.title {}

/\* Do this: \*/

.todo-title {}

.profile-card\_\_title {}

1. /\* Good \*/

.card-title {}

/\* Avoid camelCase in CSS files \*/

.cardTitle {}

Best practices of simple react app 🡪

1. Use a **feature-based structure**, not just file types.

src/

├── components/ # Reusable UI components

├── features/ # Feature-specific logic (like auth, todos)

├── hooks/ # Custom React hooks

├── pages/ # Route-level components

├── services/ # API calls or external services

├── utils/ # Pure helper functions

├── App.jsx # Root component

└── main.jsx # Entry point

1. Consistent Naming Conventions

| **Item** | **Convention** | **Example** |
| --- | --- | --- |

|  |  |  |
| --- | --- | --- |
| Components | PascalCase | LoginForm.jsx |

|  |  |  |
| --- | --- | --- |
| Functions/Vars | camelCase | handleSubmit() |

|  |  |  |
| --- | --- | --- |
| CSS Class Names | kebab-case or BEM | card--highlighted |

|  |  |  |
| --- | --- | --- |
| Files/Folders | kebab-case | user-profile/ |
|  |  |  |
| 1. Component Best Practices |  |  |

 Keep components **small and focused** (Single Responsibility Principle)

 Pass **minimal props**—avoid prop-drilling

 Use **default props and PropTypes** (if not using TypeScript)

Doubts

1. .mt-2 { margin-top: 0.5rem; }

.text-center { text-align: center; } -> You can maintain a utilities.css or use a utility-first framework like Tailwind CSS

1. Prettier doubt
2. Saturday and Sundays – holiday or not
3. Will I get laptop from company?
4. Salary?
5. Timings?
6. Work from home or not?