

# REACT Cheat Sheet

This cheat sheet is for the course [React 18 Course - Learn React JS the fast way](#) by *Jannick Leismann*.

## React

Is a popular **JavaScript** library to create **User Interface (UI/Frontend)** of Web Applications. React allows developers to create **manageable** and **reusable** components that can handle their own **state** that makes the development efficient and scalable.

### Component-Based Architecture

React allows web applications to be built using **small, reusable** components. These components can manage their own state and lifecycle; this makes the code **modular** and **maintainable**. There are two types of component structures: **Functional** and **Class** components.

### JSX (JavaScript XML)

An extension syntax in react allows you to write **HTML-like** code within JavaScript. This allows developers to write HTML elements directly within JavaScript.

### Creating a React App

Use **Create React App** to easily start new React projects. It handles setup and provides a smooth development experience.

1. **Install Node.js**: Ensure you have Node.js installed on your system.
2. **Create a New React App**: Run the following command in your terminal:

```
3. npx create-react-app my-app  
4. cd my-app  
5. npm start
```

This will create a new React application in the directory named 'my-app' and start the development server.