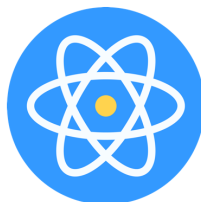


The book contains years of trial & error for various solutions to common problems in React, saving you the time to go through the same process again.

THE JS-CRAFT GUIDE TO REACT

Don't waste your time learning React the hard way! React should be fun to use!



About the author

Introduction

[Why I've wrote this book](#)

[How Much Time Will This Take?](#)

[Why start with small projects?](#)

[Environment Setup](#)

[Prior Knowledge Requirements](#)

[Code editor, terminal and browser console](#)

Hello World

[Our first React component](#)

[How does the Code Works](#)

[How does JSX works](#)

[But... Separation of Concerns!](#)

[Unseparated Concerns](#)

[Composing Components](#)

[Wrap JSX with Parentheses](#)

[Return a Single Element](#)

[Using React fragments](#)

[JavaScript in JSX](#)

["If" in JSX](#)

[Comments in JSX](#)

[Capitalize Component Names](#)

[Close Every Element](#)

Props

[Introduction](#)

[Passing Props](#)

[Receiving Props](#)

[Modifying Props](#)

[Communicating With Parent Components](#)

Using Vite with React

[Vite Introduction](#)

[Installing Node and NPM](#)

[Create your first Vite project](#)

[NPM Scripts for Vite commands](#)

[Vite Project Structure](#)

Using the the Children API in React

[What is the Children API in React](#)

[Different Types of Children](#)

[Customizing Children Before Rendering](#)

Managing State Within Components

[The useState\(\) hook](#)

[A brief intro to React hooks](#)

[Rules of React Hooks](#)

[Update State Based on Previous State](#)

[State as an Array](#)

[State as an Object](#)

Form Management and Input Controls

[Controlled Inputs](#)

[Uncontrolled Inputs and Refs](#)

[Using Select, Textarea, Radio and Checkbox controls](#)

The useEffect Hook

[Handling side effects](#)

[Limit When an Effect Runs](#)

[Focusing an Input Automatically](#)

[Only Run on Mount and Unmount](#)

[Unmount and Cleanup](#)

[Fetch Data With useEffect](#)

[Re-fetch When Data Changes](#)

React Hooks

How do React hooks really work?

The magic trick of hooks is just simple arrays

Make your own hooks: useUrlAnalyzer()

Make your own hooks: useLocalStorage()

The useReducer() Hook

A brief intro to React hooks

What is a reducer?

A More Complex useReducer Example

So... is Redux Dead?

The Context API

Before: A Prop Drilling Example

After: adding the React Context API

The useContext Hook

Pass Actions Down Through Context

Working with lists in React

Introduction

Rendering lists

Filter lists

Example 1 - let's build a small game with React

Project into

The general architecture of our app

How the data will flow between components

The initial setup

Adding props and picking a random sign in the Player component

CSS styles

Using inline styles

Invoking a function in a child component from a parent component

Adding animations

Adding refs and a cleanup function for useEffect

Adding a game context

Deciding the winner

Folder and File Structuring

Managing complex project structures

File naming

Exporting Components

React tips, performance improvements and gotchas

Introduction

Using the useRef() hook to keep value between renders

How to count the number of renders of a component

ReactDOM.createRoot() batches multiple setState calls

The pitfalls of using Index as Keys in React

SetState in React works in an async manner

Adding debouncing to query inputs to improve performance

Example 2 - let's build a Github search app with React

Thank You