Playground

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Day 1:

- Learn the fundamentals of React JS by going through the official documentation
- Set up your development environment
- Read about the different features and components of React

Day 2:

- Practice writing basic React components
- Learn about React state and props
- Practice rendering components with props

Day 3:

- Learn about React lifecycle methods
- Understand how to pass data between components
- Practice writing components that use lifecycle methods

Day 4:

- Learn about React Router
- Set up routes for your application
- Practice rendering components based on route changes

Day 5:

- Learn about Redux and how to use it with React
- Set up a Redux store and actions
- Practice writing components that use Redux

Day 6:

- Learn about React Hooks
- Practice writing components that use hooks
- Understand how to use context and useReducer

- Learn about React Testing Library
- Set up a test environment and write tests
- Practice writing tests for components

Day 8:

- Learn about performance optimization in React
- Understand how to use memoization
- Practice writing components that use memoization

Day 9:

- Learn about server-side rendering in React
- Set up a Node.js server and render React components
- Practice rendering components on the server

Day 10:

- Learn about deployment strategies for React
- Understand how to deploy a React application
- Practice deploying a React application

Day 11:

- Learn about styling in React
- Understand how to use CSS in JS
- Practice styling components with CSS in JS

Day 12:

- Learn about using TypeScript with React
- Set up a TypeScript project and write types
- Practice writing components with type safety

Day 13:

- Learn about data fetching in React
- Understand how to use Axios and Fetch
- Practice fetching and displaying data in components

- Learn about using GraphQL with React
- Set up Apollo Client and write GraphQL queries
- Practice fetching and displaying data with GraphQL

Day 15:

- Learn about authentication and authorization in React
- Understand how to use JSON Web Tokens
- Practice creating secure authentication flows

Day 16:

- Learn about accessibility in React
- Understand how to make components accessible
- Practice writing accessible components

Day 17:

- Learn about internationalization in React
- Understand how to use React Intl
- Practice writing internationalized components

Day 18:

- Learn about error handling in React
- Understand how to use error boundaries
- Practice writing components with error boundaries

Day 19:

- Learn about reusable React components
- Understand how to create and publish reusable components
- Practice writing and publishing reusable components

Day 20:

- Learn about debugging React applications
- Understand how to use the React DevTools
- Practice debugging components and applications

Day 21:

- Understand how to use React Native
- Practice writing mobile apps with React Native

Day 22:

- Learn about using React in desktop applications
- Understand how to use React Desktop
- Practice writing desktop apps with React Desktop

Day 23:

- Learn about using React in progressive web applications
- Understand how to use React PWAs
- Practice writing PWAs with React

Day 24:

- Learn about using React in virtual reality applications
- Understand how to use React VR
- Practice writing virtual reality apps with React VR

Day 25:

- Learn about using React in augmented reality applications
- Understand how to use React AR
- Practice writing augmented reality apps with React AR

Day 26:

- Learn about using React with other libraries
- Understand how to use React with libraries such as D3 and Three.js
- Practice writing components that use other libraries

Day 27:

- Learn about React performance optimization
- Understand how to use React.memo and useCallback
- Practice writing components that use performance optimization techniques

Day 28:

- Practice writing components that follow best practices

Day 29:

- Learn about advanced React topics
- Understand how to use advanced React features such as context and portals
- Practice writing components with advanced React features

Day 30:

- Take a React certification exam
- Reflect on your React journey and identify areas for improvement

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