**React Checklist (5 Days)**

**Introduction video:** <https://www.youtube.com/watch?v=SqcY0GlETPk>

**Introduction**

* What is SPA?
* What is React?
* React vs Angular

**Working with Components**

* Component based architecture.
* JSX
* Expressions in JSX
* Data binding
* Passing data via props
* Class components vs Functional components
* Higher Order Components (HOC)

**Hooks**

* What are React Hooks?
* Rules of Hooks
* useState()
* useEffect()
* useCallback() and useMemo()
* Working with refs and useRef()
* Creating Custom hooks

**React State and Working with Events**

* Listening to Events and working with Event handlers
* Two-way binding
* Parent to Child component communication
* Child to Parent component communication
* Stateless vs Stateful components

**Rendering Lists and Conditional Content**

* Rendering Lists of Data
* Using Stateful Lists
* “key” prop in rendering lists
* Displaying Conditional content

**Styling React Components**

* Dynamic inline styles
* Dynamic CSS classes
* Styled components.

**Debugging React Apps**

* React DevTools
* Analysing code flow and working with breakpoints

**Advanced React Concepts**

* React Fragments
* Working with refs
* useEffect and dependencies
* React Context (Context API)
* Making HTTP calls using Axios

**React Router:**

* Documentation:<https://reactrouter.com/en/main/start/overview>
* Crash Course:<https://www.youtube.com/watch?v=Jppuj6M1sJ4>

**React Query**

* Documentation:<https://react-query-v3.tanstack.com/overview>
* Crash Course:<https://www.youtube.com/watch?v=r8Dg0KVnfMA>

**Material UI for React**

* Documentation:<https://mui.com/material-ui/getting-started/overview/>
* Crash Course: <https://www.youtube.com/watch?v=Xoz31I1FuiY>

For external libraries like React Router, React Query and Material UI, its not mandatory to only follow above tutorial videos, you can watch or read about them with any of the resources as per your choice.

LinkedIn Learning courses:

* <https://www.linkedin.com/learning/react-js-essential-training-14836121/building-modern-user-interfaces-with-react?autoplay=true&u=81641906>
* <https://www.linkedin.com/learning/building-modern-projects-with-react/react-going-from-good-to-great?autoplay=true&u=81641906>

Want to learn React in detail from tutorials, follow this:

<https://www.youtube.com/watch?v=4UZrsTqkcW4>