

# React Learning Plan: Week 1 (July 2 - July 8, 2025)

## Study Slots:

- **Morning:** 6:30 AM – 7:30 AM
  - **Evening:** 8:00 PM – 10:00 PM
  - **Sunday Extended:**
    - 7:30 AM – 8:30 AM
    - 10:00 AM – 12:00 PM
    - 8:00 PM – 10:00 PM
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## Day 1 (July 2, Wednesday): React Setup & Introduction

- Install Node.js, create React app using `npx create-react-app my-react-app`.
  - Explore folder structure ( `src`, `public`, `App.js`, `index.js` ).
  - Understand "What is React?" and "Why React?".
  - Introduction to JSX and its syntax.
  - Create your first component ( `HelloUser` ) and render on page.
  - Platforms: React Docs, Scrimba.
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## Day 2 (July 3, Thursday): JSX & Rendering

- Deeper JSX syntax and embedding expressions.
  - Rendering multiple elements.
  - Basic styling (inline styles and CSS files).
  - Build a simple component displaying a daily quote or time.
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## Day 3 (July 4, Friday): Components & Props

- Understand function components.
  - Passing and using props.
  - Component composition (nesting components).
  - Build a `ProfileCard` component displaying your name, image, and hobby using props.
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## Day 4 (July 5, Saturday): State & Events

- Introduction to state in React.
  - Using `useState` for creating a counter.
  - Handling click events in React.
  - Build a **Counter App** with increment, decrement, and reset functionality.
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## Day 5 (July 6, Sunday): Mini Project Day

- **7:30 AM – 8:30 AM:** Revise Week 1 concepts.

- **10:00 AM – 12:00 PM:** Build a **Todo List App** (add, remove, mark tasks as complete).
  - **8:00 PM – 10:00 PM:** Debug, clean up code, and style with basic CSS.
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### **Day 6 (July 7, Monday): Conditional Rendering**

- Learn about conditional rendering using `if`, `&&`, and ternary operators in React.
  - Practice hiding and showing elements dynamically.
  - Implement a loading state in your app.
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### **Day 7 (July 8, Tuesday): List Rendering & Keys**

- Learn to use `.map` for rendering lists in React.
  - Understand the importance of keys when rendering lists.
  - Build a component to display a list of your five favourite movies or books dynamically.
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### **Weekly Checkpoint (July 8 Night):**

- Can you confidently create and use components?
- Do you understand and use props, state, and event handling?
- Have you built at least two small projects (counter, todo app)?

If YES, proceed to Week 2: Deeper components, state management, and advanced patterns.

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#### **Tools to Use:**

- [React Official Docs](#)
  - Scrimba React Course
  - Net Ninja React Playlist (YouTube)
  - VS Code + Browser
  - CodeSandbox for quick testing
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Stay consistent and code every day to build your React foundations effectively!