



Day 2 – Software Engineer

React_Section4_Tailwind_Chapter1_ToDo



To-Do List – Chapter 4: useState and Chapter 1: Tailwindcss



SECTION 4: React useState Hook



Core Concepts

- ✓ Understand what state is in React
- ✓ Learn how `useState` works and its syntax
- ✓ Use multiple state variables in one component
- ✓ Update state based on previous values correctly



Practical Tasks

- ✓ Build a simple Counter app using `useState`
- ✓ Add Increment, Decrement, and Reset buttons
- ✓ Show message: "Negative count!" if value < 0



Bonus

- ✓ Add custom styling using Tailwind CSS
 - ✓ Track state changes using `console.log`
-



Chapter 1: Introduction to Tailwind CSS



Theory

- ✓ What is Tailwind CSS?

✓ ~~Compare Tailwind vs Bootstrap vs Custom CSS~~ ★★★★★

✓ ~~Understand advantages and common use cases~~ ★★★★★

⚙️ Setup

✓ ~~Set up Tailwind CSS via CDN~~ ★★★★★

✓ ~~Set up Tailwind CSS via CLI (React + Vite)~~ ★★★★★

✓ ~~Configure tailwind.config.js and index.css~~ ★★★★★

🔧 Practice

✓ ~~Build a simple demo UI using Tailwind CDN~~ ★★★★★

✓ ~~Create WelcomeCard component with Tailwind styling~~ ★★★★★

🧠 Bonus

✓ ~~Set up folder structure for Tailwind + React + Vite~~ ★★★★★

✓ ~~Explore Tailwind Play: <https://play.tailwindcss.com/>~~ ★★★★★

🎯 **Completion Target: Done**

📊 **Progress Report: Excellent**

👤 **Rating: ★★★★★**

⌚ **Total Time: 3 Hours 10 Minutes**

✅ **Here's your progress report based on the two checklists you uploaded:**

📊 React **useState** Hook Progress

🧠 Core Concepts (4 items)

✅ Completed: 4/4

★ Progress: **100%**

🔧 Practical Tasks (3 items)

✅ Completed: 3/3

★ Progress: 100%

🧠 Bonus (2 items)

✅ Completed: 2/2

★ Progress: 100%

📈 Section 4 Total Progress: 9/9 → 100% ✅

🎨 Tailwind CSS Progress

📖 Theory (3 items)

✅ Completed: 3/3

★ Progress: 100%

⚙️ Setup (3 items)

✅ Completed: 3/3

★ Progress: 100%

✍️ Practice (2 items)

✅ Completed: 2/2

★ Progress: 100%

🧠 Bonus (2 items)

✅ Completed: 2/2

★ Progress: 100%

📈 Tailwind CSS Total Progress: 10/10 → 100% ✅




🏆 Overall Summary

Section	Completed	Total	Progress
React <code>useState</code> Hook	9	9	✅ 100%
Tailwind CSS	10	10	✅ 100%

Conclusion:

 **Excellent Work! You've completed 100% in both React `useState` and Tailwind CSS fundamentals.**

 You're now ready for the **next phase: building real-world components and small projects** like:

-  Student card or profile grid
-  WelcomeCard + Form input handler
-  Component state transitions with Tailwind animations