

In the opening module, you received an overview of components. During the first lesson, you received an introduction to the course. You discovered how to set up a project in VS Code, and you learned how to make the most of the content in this course to ensure that you succeed in your goals. You then moved on to the next lesson, in which you learned how to render lists and React. In this lesson, you learned how to transform and rendered list components, create a basic list component and you learned about keys within list components and React. In the next lesson, you explored forms and React. First, you learned about the differences between controlled and uncontrolled components. Next, you discovered how to create a controlled form component in React, and then had a chance to test your skills by creating your own registration form. In the last lesson, you learned about React Context. You've explored props and state and how they relate to context. You also learned how re-rendering works with context and you apply their knowledge to create a light, dark theme switcher. Next, you began the second module, which covered all the common hooks and React and how to build custom hooks. In the first lesson of this module, you got started with hooks. You learned how to implement the useState hook to work with complex data and apply this knowledge to manage state within a component. You also learned about side effects and the useEffect hook. In the next lesson, you move down to the rules of hooks and fetching data with hooks. You discovered the essential rules of hooks and how to use them effectively in your solutions. You also gained an in-depth explanation on how to fetch data using hooks and tested your skills in fetching data in a practical exercise. In the final lesson of the module, you enhanced your knowledge and skills with advanced hooks. You learned about the benefits of the useReducer hook and how it differs from useState and how to access the underlying DOM with useRef. You then build your own custom hook usePrevious. In the third module, you've explored JSX in more detail, and how to test your solutions. In the first lesson, you took a deep dive into JSX. You gained a more detailed overview of JSX components and elements. Next, you explored component composition with children with its two key features, containment and specialization, and how to dynamically manipulate children in JSX. You had the opportunity to apply your new skills and building a radio group component, and we're introduced to spread attributes in JSX. In the next lesson, you focused on reusing behavior. You learned about cross-cutting concerns and React and explored higher-order components and how they're used to great effect. You also learned about a specific HOC called Render Props and used random prompts to implement scroller position tracking in a solution. In the final lesson of this module, you were introduced to integration tests with React Testing Library. You've discovered Jest and the React Testing Library. You wrote test scenarios for a form and we're introduced to continuous integration.