

Building User Interfaces for Modern Web Applications Using React

React Programming

Author: Cheer-Sun Yang

Reviewer: Richard Burns

Public Review

Building User Interfaces for Modern Web Applications Using React by Dr. Cheer-Sun Yang, introduces the React library for capable students who are interested in learning web programming. The textbook follows the author's coverage of the course *CSC417: User Interfaces* in the Computer Science Department at West Chester University.

Throughout the writing of the text, it is clear that Dr. Yang's coverage is purposely intended to provide the current state-of-the-art of React while interweaving and emphasizing software engineering principles through examples and explanation, and also covering the necessary material for all students including those with weaker backgrounds.

The book is divided into four parts, beginning with: (1) a primer on HTML, CSS, JavaScript, and Bootstrap, (2) core concepts of React such as Components, Properties, State, and Events, (3) the rendering of UI Components, and (4) other issues such as URL routing and the Redux Toolkit.

Numerous working examples and programming exercises are provided in each chapter.

This eTextbook is a good presentation on how to navigate and learn React given the vast landscape of resources and tutorials in present day 2024 at the time of this writing. Dr. Yang concisely summarizes what the reader really needs to know. The text is suitable for audiences whom foundational computer science and programming skills are already in place. The author presumes no knowledges of web programming, and appropriately links to supplemental references throughout the text. The text is probably best suited in in-person and distance education environments where the instructor can guide learning and handle further questions; strong students can also utilize this text as a roadmap in individualized learning environments.