

Overview

Week 1

Week 2

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Week 4

Grades

Discussion Forums

Messages

Course Info

Week 2

Front-End Web Development with React

Week 2

Discuss this week's modules here.

1867 threads · Last post 7 hours ago

React Router and Single Page Applications



Jogesh K. Muppala

In this week, you will learn about various component types. You will learn about React router and its use in designing single page applications. You will also learn about single page applications and use React Router to design single page applica

△ Less

Learning Objectives

- Develop a React router based navigation to various views in your React application
 Develop a single page application using the React router support
 Give examples of various types of React components

React Component Types

- Reading: React Component Types: Objectives and Outcomes 10 min
- ▶ Video: Presentational and Container Components 6 min

Go to forum

- ▶ Video: Exercise (Video): Presentational and Container Components 21 min
- Reading: Exercise (Instructions): Presentational and Container Components 10 min
- **▶ Video:** React Components: Lifecycle Methods Part 2 8 min
- ▶ Video: Functional Components 3 min
- ▶ Video: Exercise (Video): Functional Components 14 min
- Reading: Exercise (Instructions): Functional Components 10 min
- Reading: React Component Types: Additional Resources 10 min

React Router

- Reading: React Router: Objectives and Outcomes 10 min
- ▶ Video: React Virtual DOM 6 min
- ▶ Video: Exercise (Video): Header and Footer 17 min
- Reading: Exercise (Instructions): Header and Footer 10 min
- ▶ Video: React Router 8 min
- ▶ Video: Exercise (Video): React Router 36 min
- Reading: Exercise (Instructions): React Router 10 min
- Reading: React Router: Additional Resources 10 min

Single Page Applications

- Reading: Single Page Applications: Objectives and Outcomes 10 min
- ▶ Video: Single Page Applications 9 min
- ▶ Video: Exercise (Video): Single Page Applications Part 1 23 min
- (Instructions): Single Page Applications Part 1 10 min
- ▶ Video: React Router: Parameters 6 min
- ▶ Video: Exercise (Video): Single Page Applications Part 2 23 min
- Reading: Exercise (Instructions): Single Page Applications Part 2 10 min

(III) Reading: Single Page Applications: Additional Resources 10 min
Assignment 2: React Router and Single Page Applications
◆ Video: Assignment 2: React Router and Single Page Applications 4 min
(2) Peer-graded Assignment: React Router and Single Page Applications 1h Due Sep 13, 1:59 AM CDT
Review Your Peers: React Router and Single Page Applications Due Sep 16, 1:59 AM CDT
@ Reading: Assignment 2: React Router and Single Page Applications: Additional Resources 10 min

Optional Honors Content ②
UI Design and Prototyping
Reading: UI Design and Prototyping: Objectives and Outcomes 10 min
Reading: UI Design and Prototyping Report Template 10 min
B Honors Peer-graded Assignment: UI Design and Prototyping 1h Due Sep 13, 1:59 AM CDT
Review Your Peers: UI Design and Prototyping
Reading: UI Design and Prototyping: Additional Resources 10 min