



Overview

Week 1

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Course Info

Week 1

Front-End Web Development with React

Week 1

Discuss this week's modules here.

Go to forum

2670 threads · Last post 7 hours ago

Introduction to React



Jogesh K. Muppala

In this module we get a quick introduction to front-end JavaScript frameworks and libraries, followed by an introduction to React. We will also learn about React components and JSX.

Learning Objectives

- Express the general characteristics of JavaScript frameworks and libraries
- Create a new project using React
- Create React components within your React application
- Express what is meant by full-stack web development

Less

Welcome to Front-End Web Development with React

Video: Welcome to Front-End Web Development with React 10 min

Resume

Video: How to Use the Learning Resources 10 min

Reading: Welcome to Front-End Web Development with React: Additional Resources 10 min

Full-Stack Web Development: The Big Picture

Reading: Full-Stack Web Development: The Big Picture: Objectives and Outcomes 10 min

Video: What is Full-Stack Web Development? 5 min

Reading: Full Stack Web Development: Additional Resources 10 min

Setting up your Development Environment: Git and Node

Reading: Setting up Your Development Environment: Git and Node: Objectives and Outcomes 10 min

Reading: Setting up your Development Environment 10 min

Video: Exercise (Video): Setting up Git 6 min

Reading: Exercise (Instructions): Setting up Git 10 min

Video: Exercise (Video): Basic Git Commands 18 min

Reading: Exercise (Instructions): Basic Git Commands 10 min

Video: Exercise (Video): Online Git Repositories 12 min

Reading: Exercise (Instructions): Online Git Repositories 10 min

Video: Node.js and NPM 3 min

- ▶ **Video:** Exercise (Video): Setting up Node.js and NPM 2 min
- 📖 **Reading:** Exercise (Instructions): Setting up Node.js and NPM 10 min
- ▶ **Video:** Exercise (Video): Basics of Node.js and NPM 23 min
- 📖 **Reading:** Exercise (Instructions): Basics of Node.js and NPM 10 min
- 📖 **Reading:** Setting up your Development Environment: Git and Node: Additional Resources 10 min

Introduction to React

- 📖 **Reading:** Introduction to React: Objectives and Outcomes 10 min
- ▶ **Video:** Front-end JavaScript Frameworks and Libraries Overview 12 min
- ▶ **Video:** Introduction to React 8 min
- ▶ **Video:** Exercise (Video): Getting Started with React 9 min
- 📖 **Reading:** Exercise (Instructions): Getting Started with React 10 min
- ▶ **Video:** React App Overview 16 min
- ▶ **Video:** Introduction to JSX 5 min
- ▶ **Video:** Exercise (Video): Configuring your React Application 9 min
- 📖 **Reading:** Exercise (Instructions): Configuring your React Application 10 min
- 📖 **Reading:** Introduction to React: Additional Resources 10 min

React Components


- 📖 **Reading:** React Components: Objectives and Outcomes 10 min
- ▶ **Video:** React Components 3 min
- ▶ **Video:** Exercise (Video): React Components Part 1 24 min
- 📖 **Reading:** Exercise (Instructions): React Components Part 1 10 min
- ▶ **Video:** React Components: State and Props 9 min
- ▶ **Video:** Exercise (Video): React Components Part 2 22 min
- 📖 **Reading:** Exercise (Instructions): React Components Part 2 10 min
- ▶ **Video:** React Components: Lifecycle Methods Part 1 14 min
- 📖 **Reading:** React Components: Additional Resources 10 min


Assignment 1: React Components


- ▶ **Video:** Assignment 1 Requirements (Video): React Components 5 min
- 👤 **Peer-graded Assignment:** React Components 1h Due Sep 6, 1:59 AM CDT
- 📝 **Review Your Peers:** React Components Due Sep 9, 1:59 AM CDT
- 📖 **Reading:** Assignment 1: React Components: Additional Resources 10 min


Ideation

 **Reading:** Ideation: Objectives and Outcomes 10 min

 **Reading:** Ideation Report Template 10 min

 **Honors Peer-graded Assignment:** Ideation 1h Due Sep 6, 1:59 AM CDT

 **Review Your Peers:** Ideation Due Sep 9, 1:59 AM CDT

 **Reading:** Ideation: Additional Resources 10 min

