BOARD INFINITY

COURSE 3 OF 3 · BUILD WEBSITE WITH HTML, JAVASCRIPT, ANGULARJS, AND REACT

Libraries and Frameworks for Frontend Development

Full course syllabus - every module, video lesson, reading and assignment, from your first React component to a complete front-end website.

Board Infinity
Instructor · Offered on Coursera

3	47	12	2 weeks
Modules	Video lessons	Assignments	At 10 hours a week

INSIDE THE COURSE

01	React for Frontend Development	5 hours to complete
02	Angular for Frontend Development	6 hours to complete
03	Building a Dynamic Website	4 hours to complete

Enroll on Coursera

https://www.coursera.org/learn/libraries-and-frameworks-for-frontend-development

01 ABOUT THE COURSE

From React components to a live website.

Libraries and Frameworks for Frontend Development teaches you to build robust, scalable web applications with React and Angular. Across three modules you learn React's components, state, props, JSX, hooks and Redux, then Angular's components, modules, directives, services and templates, and finally bring them together in a full-fledged website.

Everything is delivered through short video lectures, readings and graded quizzes - 47 videos, 9 readings and 12 assignments in all - and the course ends with a peer-reviewed final project. It is at intermediate level, and Coursera learners rate it 4.4 out of 5.

WHO IT'S FOR

Aspiring front-end developers
Moving from HTML, CSS and JavaScript to modern frameworks.

JavaScript developers
Adding React and Angular to their toolkit.

Web designers
Turning designs into dynamic, interactive interfaces.

Career switchers
Building a portfolio project for front-end roles.

WHAT YOU'LL LEARN

01 **Master React** Module 1
Master components, state management and JSX to craft interactive user interfaces

02 **Understand Angular's architecture** Module 2
Work with components, directives and services to build scalable, robust web applications

03 **Build responsive pages** Modules 1-3
Construct web pages with responsive layouts, interactive features and dynamic content

04 **Ship an end-to-end project** Module 3
Gain hands-on experience in end-to-end front-end project development for your portfolio

02 SYLLABUS

Three modules, one front-end toolkit.

2 weeks to complete at 10 hours a week. Flexible schedule - learn at your own pace.

01 React for Frontend Development

Components, JSX, props, state, hooks and Redux

5 hours
18 videos

BY THE END OF THIS MODULE YOU CAN

- ✓ Explain React fundamentals and the Virtual DOM, and set up a project
- ✓ Build components with JSX, props and state
- ✓ Use the useEffect and useContext hooks, and make API calls
- ✓ Manage application state with React Redux

CONTENTS: 18 videos (86 min) · 4 readings (100 min) · 4 assignments (105 min) · 1 plugin (5 min)

TOPICS: React Basics · Intermediate React Concepts · React Hooks & Redux · Quick Course Check-In (plugin)

You'll leave with: the React skills to build interactive, dynamic interfaces - from components and JSX to hooks and Redux.

02 Angular for Frontend Development

Components, data binding, directives, pipes and forms

6 hours
21 videos

BY THE END OF THIS MODULE YOU CAN

- ✓ Explain the Angular life cycle, decorators, components and modules
- ✓ Apply one-way and two-way data binding, interpolation and event binding
- ✓ Use structural directives such as ngIf and ngStyle
- ✓ Transform data with pipes and build template-driven and reactive forms

CONTENTS: 21 videos (97 min) · 4 readings (120 min) · 5 assignments (120 min)

TOPICS: Angular Components & Modules · Data Binding · Directives · Pipes & Forms

You'll leave with: proficiency in building modular, maintainable Angular applications with components, binding, directives and forms.

03 Building a Dynamic Website

An end-to-end front-end project for your portfolio

4 hours
8 videos

BY THE END OF THIS MODULE YOU CAN

- ✓ Plan a front-end project and set up its folder structure
- ✓ Build navbar, home, tech stack, experience and project components
- ✓ Add interactive features such as scroll-to-top
- ✓ Complete and submit a peer-reviewed front-end website

CONTENTS	8 videos (86 min) · 1 reading (10 min) · 3 assignments (45 min) · 1 peer review (120 min)
PROJECT	Final Project - Building Front-End of a Website (peer reviewed, 120 min)
TOPICS	Project Overview & Folder Structure · Building the Components · Final Project

You'll leave with: a complete front-end website, peer reviewed and ready for your portfolio.

03 TOOLS & SKILLS

The themes that run through the course.



React Library

Components, JSX, props, state and hooks for interactive user interfaces.

In this course: Module 1, from setup to useEffect, useContext and API calls.



React Redux State management

Predictable application state for larger React applications.

In this course: Module 1 closes on Redux and its applications.



Angular Framework

Components, modules, data binding, directives, pipes and forms.

In this course: Module 2 covers Angular's core features end to end.



Your portfolio website Final project

A dynamic, responsive front-end website built component by component.

In this course: Module 3, assessed by peer review.

SKILLS YOU LEAVE WITH

Frameworks

- React.js
- Angular
- Application frameworks
- UI components

Web development

- Front-end web development
- Web development
- Web design and development
- Frontend integration

Quality & UX

- Responsive web design
- User interface (UI)
- Maintainability
- State management

04 CERTIFICATE & CAREER

Finish with a shareable certificate.

Add it to LinkedIn
Add this credential to your LinkedIn profile, resume, or CV.

Share it anywhere
Share it on social media and in your performance review.

Earned, not attended
Awarded on the graded quizzes and the peer-reviewed final project.

Course 3 of 3
The final course of the Build Website with HTML, JavaScript, AngularJS, and React Specialization.

ROLES THE COURSE PREPARES YOU FOR

Front-End Developer · React Developer · Angular Developer · UI Developer · Web Developer · Junior Full-Stack Developer

Board Infinity
Instructor · Offered on Coursera

Intermediate level · Taught in English · 9 languages available · Flexible schedule

Ready to build your portfolio site?

Enrollment, lessons, grading and the certificate all happen on Coursera.

Enroll on Coursera

Course page: coursera.org/learn/libraries-and-frameworks-for-frontend-development

Want a coach alongside the course?

Board Infinity 1:1 coaching is a separate, optional Board Infinity offering - it is not part of the Coursera course. Details: https://www.boardinfinity.com/career-coaching/

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