

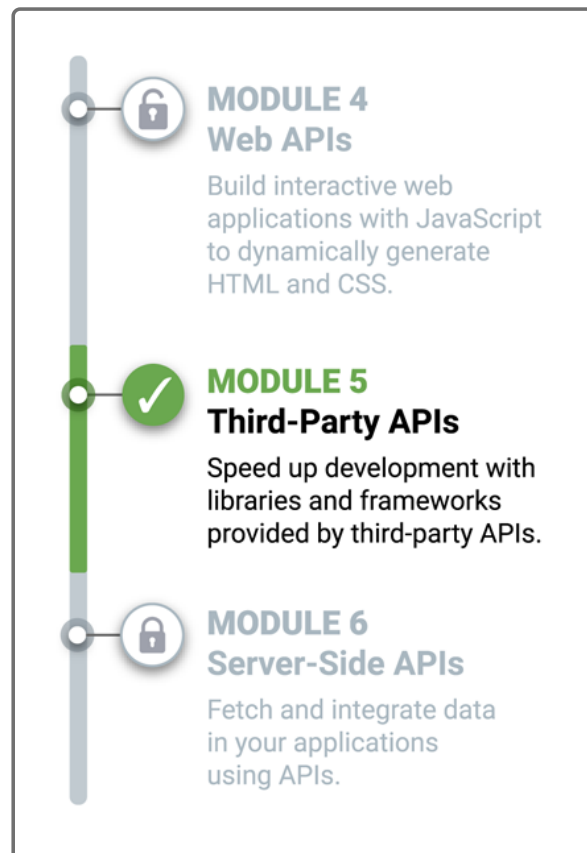
5 Roadmap

Looking Ahead: This Week's Challenge

By the end of this week, you will complete your weekly Challenge assignment where you will develop a calendar app that lets users schedule events for each hour of the day.

In order to succeed in this Challenge, you will apply the following skills:

- Implement third-party libraries such as Bootstrap, jQuery, and Moment.js
- Perform DOM traversals and manipulations with jQuery
- Use jQuery to save user input in local storage
- Work with the Bootstrap grid layout in HTML



- Work with Bootstrap components
- Add custom color styles to an existing CSS framework
- Work with custom fonts and icons via a content delivery network (CDN)

The online lessons in this week's module will teach you the skills you need to succeed in this Challenge. You'll learn those by creating TaskMaster Pro, an advanced version of the productivity app you built in the previous module.

Learning Objectives

By completing this module, you will learn how to:

- Explain the difference between jQuery and JavaScript
- Explain the difference between CSS and Bootstrap
- Explain and implement libraries with content delivery networks and static files
- Perform DOM traversals and manipulations with jQuery
- Explain how to resolve issues related to dynamically generated HTML using jQuery
- Explain and implement the Bootstrap grid layout in HTML
- Integrate Bootstrap components in HTML files to quickly build user interfaces
- Add custom styling to a CSS framework
- Implement custom fonts and icons via CDNs

Weekly Tip: Set Specific, Challenging, Near-Term Goals

By now, you've completed some difficult tasks and made solid progress on your road to becoming a full-stack web developer! There's still a ways to go to make it all the way, so you'll need to maintain your energy, enthusiasm, and motivation to tackle the challenges ahead.

Setting goals can help you do just that. To meet goals, you're forced to structure your time and focus your attention accordingly. And when you reach one goal, you feel a sense of satisfaction and confidence that propels you on to the next.

But for goals to work their magic, they should be specific rather than vague, challenging rather than easily achievable, and short-term rather than in the distant future. Let's explore what that means.

Specific

Instead of saying "I'll do my best on the next challenge," try to set specific criteria. For example, you could tell yourself, "I'll complete and submit the next challenge by 11 a.m. on Saturday morning and receive a passing grade."

The specificity of the goal helps you gauge how much effort it will take, which will help you manage your time effectively.

Challenging

You might find yourself setting goals that you know you can achieve, like making sure to attend a required class. But what if you stretch yourself a little bit and instead aim to complete 70% of the week's work before that required class?

This more challenging goal requires you to rise to the occasion and increase your efforts. When you achieve a difficult goal, you realize what you're capable of!

Short-Term

Instead of saying “I’ll learn three coding languages this year,” bring your deadline forward to give yourself a sense of urgency. To make that doable, you can break that bigger goal into smaller goals. For example: “I’ll master the core syntax of Python by the end of this month.”

Setting a near-term goal allows you to track your progress and adjust your strategies more often. It also lights a little fire under your toes!

Now take a moment to set a specific, challenging, and short-term goal for yourself this week. Write down your goal somewhere you can see it while learning—a sticky note tends to work well. Check in with yourself throughout the week on your progress toward the goal. At the end of the week, evaluate how you did and how you felt about it; then you can adjust as needed next week.

Keep on keeping on!

Planning Your Schedule

This module consists of five lessons. Here's an estimate of where you should be as you work through this module:

- By the time you reach your Virtual Class (Recommended), you should have completed at least Lesson 1. Push yourself to start Lesson 2 by our first meeting.
- By the time you reach your Virtual Class (Required), you should have completed at least Lesson 2 and half of Lesson 3.
- Start looking at the Challenge assignment early in the week. You can begin working on the Challenge at any point.

