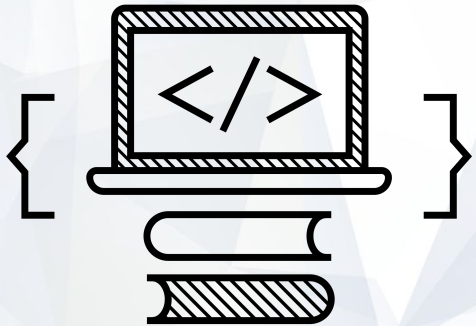
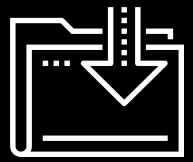


Advanced AJAX

Skills Bootcamp in Front-End Web Development

Lesson 8.2



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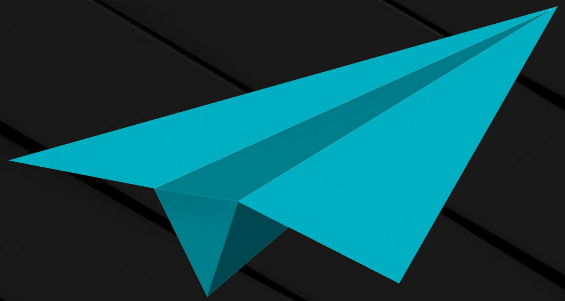
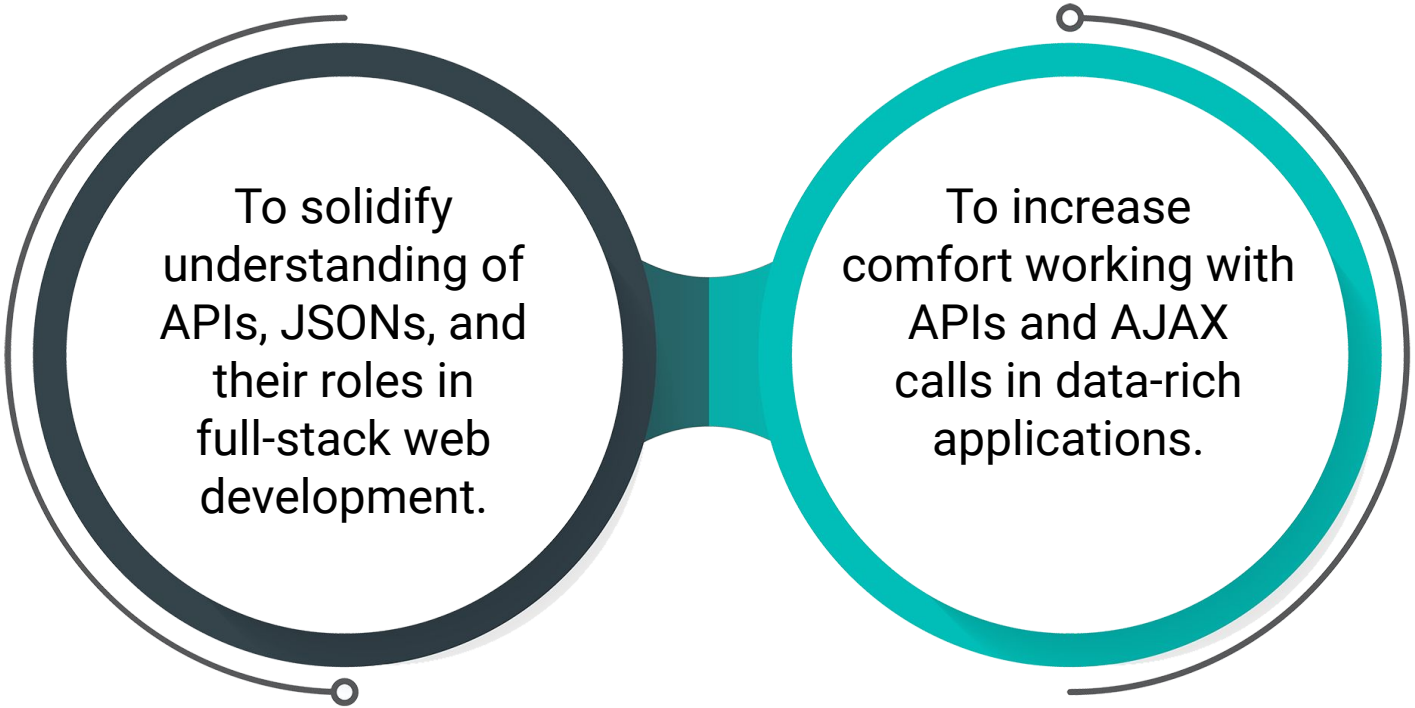


Office Hours

30 Minutes

WELCOME

Learning Objectives



API and AJAX

Are any lingering questions about API and AJAX?

Activity: The Weather in Bujumbura

In this activity, you'll use the OpenWeatherMap API to retrieve live snippets of weather information about the city of Bujumbura (the capital of Burundi, which is a country in Africa).

(Instructions sent via Slack)

Suggested Time:

15 Minutes

Instructions: The Weather in Bujumbura

Query the OpenWeatherMap API for the current weather data on Bujumbura, Burundi.

Parse the retrieved data to display wind speed, humidity, and temperature information into the HTML.

Hint: You will need to request an API key from the website.

Figure out how to convert the Kelvin temperature provided into Fahrenheit.

Note: Don't worry if this feels hard. Push yourself!

Time's Up! Let's Review.

Questions?

Instructor Demonstration

Working Movie App

Activity: Movie App JSON Dump

In this activity, you'll retrieve a movie in the form of a JSON.

(Instructions sent via Slack)

Suggested Time:

10 Minutes

If you finish early, begin reading about the Bandsintown API.

Time's Up! Let's Review.

Questions?

Activity: Dynamic Movie Button Layout

In this activity, you'll allow users to create new buttons.

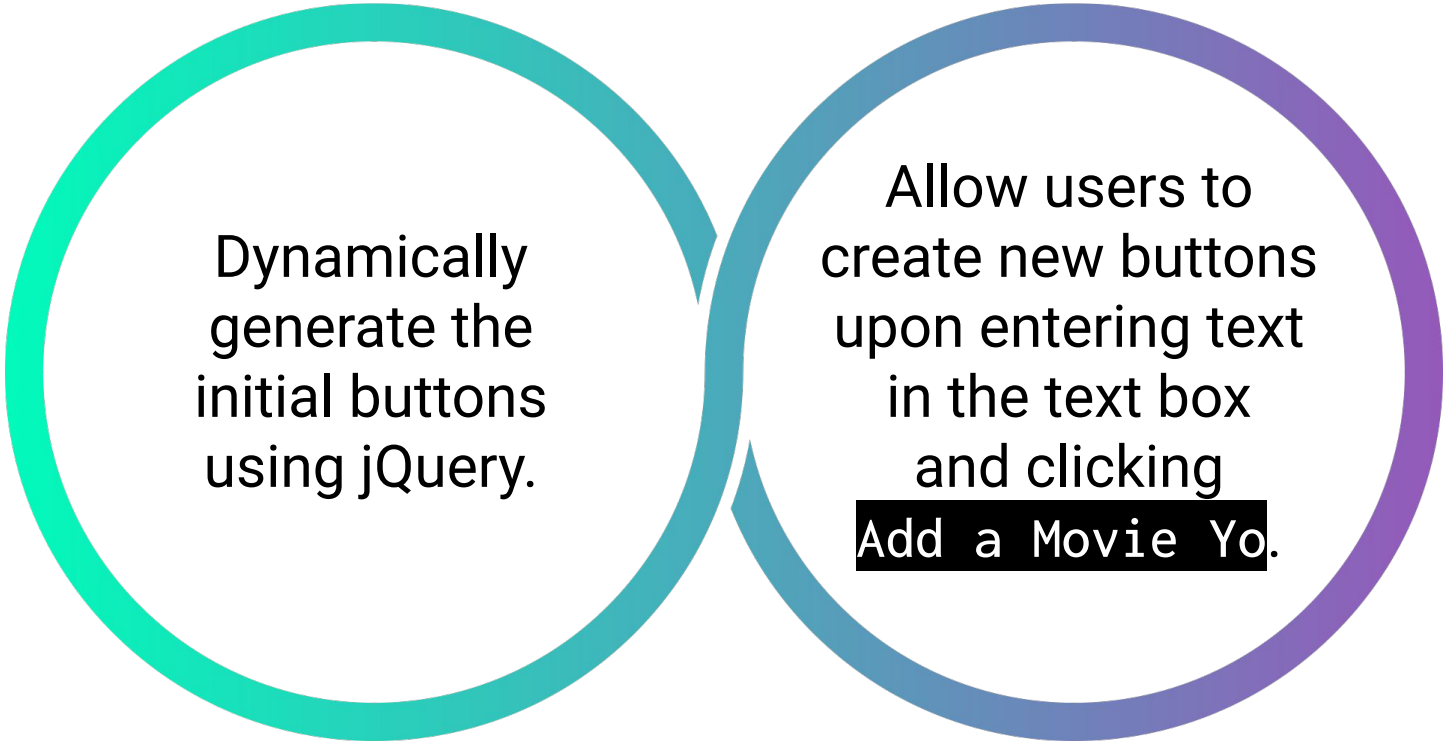
(Instructions sent via Slack)

Suggested Time:

25 Minutes

Activity: Dynamic Movie Button Layout

Your final code should:



Time's Up! Let's Review.

Questions?

Activity: Log Movie JSON and Click JSON Data Attribute

In this activity, you'll create a trigger for an alert message.

(Instructions sent via Slack)

Suggested Time:

20 Minutes

Instructions: Log Movie JSON and Click JSON Data Attribute

Using the starter code provided:

Create the missing code snippets inside the `alertMovieName` function necessary to capture the movie name for both the original and new buttons.

Create the missing code snippets inside the displayMovieInfo() function necessary to display JSON data about each movie.

Hint: You should use HTML `data-` attributes.

Time's Up! Let's Review.

Questions?

Break

Activity: Complete Working Movie App

In this activity, you'll complete the final application.

(Instructions sent via Slack)

Suggested Time:

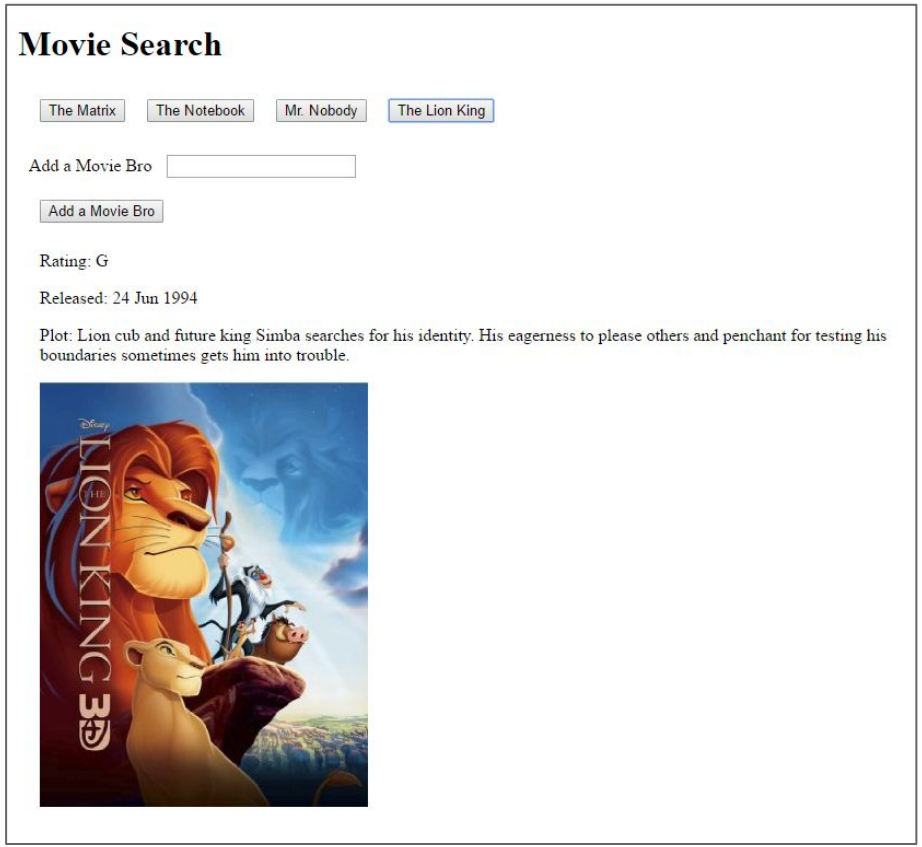
25 Minutes

Instructions: Complete Working Movie App

Using either version of the starter code provided to you, complete the application so that various snippets of information about your movie are displayed underneath.

Display at least each of the following:

- Movie poster
- Rating
- Release date
- Plot



Time's Up! Let's Review.

Questions?

Activity: Bandsintown App (Optional)

Using the starter code provided to you, you'll complete the application such that your code will search the Bandsintown API for the artist specified in the search box.

(Instructions sent via Slack)

Suggested Time:

20 Minutes

Instructions: Bandsintown App

Bandsintown is a service for finding out when and where bands and artists are scheduled to tour.

Information on how to use query the Bandsintown API can be found here.

Note: This is a free public API, and you will not need to sign up for anything.

Hint: Scroll down the API docs and study the examples. See if you can figure out how to query for an artist's information. You will need to use the `/artists/{artistname} endpoint`.

Hint: The `app_id` parameter described in the docs is required but can be set to anything you wish.

Time's Up! Let's Review.

Questions?

The End