



Students:

Section 8.21 is a part of 1 assignment: **Module 13 Assignment**

Requirements: zyLab

Due: 04/25/2022, 11:59 PM CDT

8.21 LAB: Quote web API (Fetch)

In this lab, you will use a web API to fetch and display quotes on a selected topic, as shown below.

Notable Quotes

Select a topic:

humor

How many quotes?

3

Fetch Quotes

1. Two things are infinite: the universe and human stupidity; and I'm not sure about the universe. - Albert Einstein
2. Outside of a dog, a book is man's best friend. Inside of a dog it's too dark to read. - Groucho Marx
3. I want my children to have all the things I couldn't afford. Then I want to move in with them. - Phyllis Diller

Quote web API

A quote web API returns a collection of randomly selected quotes related to a given topic. The API supports two query string parameters:

- topic** - Specifies the requested topic. Valid topics are love, motivational, wisdom, and humor.
- count** - Specifies the number of quotes requested and must be a number from 1 to 5.

Ex: The API request:

```
https://wp.zybooks.com/quotes.php?topic=love&count=3
```

returns 3 quotes about love, formatted in JSON:

```
[
  {
    "quote": "If I know what love is, it is because of you.",
    "source": "Hermann Hesse"
  },
  {
    "quote": "The opposite of love is not hate, it's indifference.",
    "source": "Elie Wiesel"
  },
  {
    "quote": "Suffering passes, while love is eternal.",
    "source": "Laura Ingalls Wilder"
  }
]
```

If the topic is not given or not recognized, the API returns an error message.

Ex: The request for a "success" quote:

```
https://wp.zybooks.com/quotes.php?topic=success&count=1
```

returns:

```
{
  "error": "Topic 'success' not found"
}
```

Fetch the quote

The **fetchQuotes()** function in quote.js is called with the selected topic and count when the Fetch Quotes button is clicked. Currently, **fetchQuotes()** displays example quotes in an ordered list inside the **<div>** with ID **quotes**.

Modify **fetchQuotes()** to use the Fetch API to request quotes from the quote web API. Call **fetch()** with an appropriate URL based on the **topic** and **count** parameters. Then display the quotes in an ordered list. Each quote should be followed by a space, a dash, a space, and the source.

Ex: If the user chooses "love" and "3" and presses Fetch Quotes, **fetchQuotes()** should place the returned quotes in an ordered list inside the **<div>**:

```
<div id="quotes">
  <ol>
    <li>If I know what love is, it is because of you. - Hermann Hesse</li>
    <li>The opposite of love is not hate, it's indifference. - Elie Wiesel</li>
    <li>Suffering passes, while love is eternal. - Laura Ingalls Wilder</li>
  </ol>
</div>
```

If an error message is received, the error message should be displayed in the **<div>**. Ex:

```
<div id="quotes">
  Topic 'success' not found
</div>
```

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LAB ACTIVITY

8.21.1: LAB: Quote web API (Fetch)

4 / 10

Submission Instructions

Downloadable files

index.html

 and

quote.js

Download

Upload your files below by dragging and dropping into the area or choosing a file on your hard drive.

quote.js

✓

 File added

Remove

Submit for grading

Coding trail of your work

What is this?

4 / 25 M0, 0, 0, 4, 4, 4 min:9

Latest submission - 12:27 PM CDT on 04/25/22

Total score: 4 / 10

☐ Only show failing tests

Download this submission

1: QUnit test

2 / 2

Test fetch() is called with correct URL (humor, 2)

✓ fetchQuotes() is defined

✓ Call fetch() with correct URL

✓ fetch() is called

2: QUnit test

2 / 2

Test fetch() is called with correct URL (love, 3)

✓ fetchQuotes() is defined

✓ Call fetch() with correct URL

✓ fetch() is called

3: QUnit test

0 / 2

Test displaying 1 humor quote

✓ fetchQuotes() is defined

✗ innerHTML of is correct

Your value

[{"quote": "Outside of a dog, a book is man's best friend. Inside

Expected value

Outside of a dog, a book is man's best friend. Inside of a dog it

4: QUnit test

0 / 2

Test displaying 5 wisdom quotes

✓ fetchQuotes() is defined

✗ innerHTML of is correct

Your value

[{"quote": "No one can make you feel inferior without your consent

Expected value

No one can make you feel inferior without your consent. - Eleanor

5: QUnit test

0 / 2

Test displaying error

✓ fetchQuotes() is defined

✗ innerHTML of <div> shows error message

Your value

{"error": "Topic 'friendship' not found"}

Expected value

Topic 'friendship' not found

5 previous submissions

12:20 PM on 4/25/22

4 / 10

View

12:09 PM on 4/25/22

4 / 10

View

12:08 PM on 4/25/22

0 / 10

View

11:54 AM on 4/25/22

0 / 10

View

11:43 AM on 4/25/22

0 / 10

View

Feedback?

Activity summary for assignment: Module 13 Assignment

Due: 04/25/2022, 11:59 PM CDT

24 / 30 pts

24 / 30 pts submitted to canvas

Completion details

↓ 9.1 Mobile websites and browsers