



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: How many 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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Only show failing tests

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1: QUnit test ^

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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 ^

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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 of a dog it's too dark to read."}]`

Expected value `Outside of a dog, a book is man's best friend. Inside of a dog it's too dark to read. - Groucho Marx`

4: QUnit test ^

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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 Roosevelt`

5: QUnit test ^

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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

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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

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↓ 9.1 Mobile websites and browsers

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