Accessing bootstrap functionality in Jest testing

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So I'm testing my React components using Jest & Enzyme, and when I test a component that opens a bootstrap modal, I get the following error:

```
TypeError: $(...).modal is not a function
```

makes sense, I haven't references bootstrap at any point yet, so I go ahead and add the following to my jest object in my package.json:

```
"setupFiles": [
  "./app/common/js/jquery-3.1.1.min.js",
  "./app/common/js/bootstrap.min.js",
  "./__mocks__/beforeTest.js"
  ]
```

which then gives me this error:

```
 Bootstrap's JavaScript requires jQuery. jQuery must be included before Bootstrap's
JavaScript.
```

I've set `window.$` and `global.$` to jQuery to see if that would help my issue, but it doesn't seem to help either, neither does importing the bootstrap module inside my `beforeTest.js` file.

I don't need to test the functionality of the modal, I just need the error to go away. So I'm hoping to find a way to load bootstrap such that I can run `$(...).modal`. Will bootstrap even work in this environment?

jquery   twitter-bootstrap   reactjs   jestjs   enzyme

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Have you tried doing `require('../app/common/js/jquery-3.1.1.min.js');require('../app/common/js/bootstrap.min.js')` in your `beforeTest` ? – SimenB Jul 21 '17 at 16:51 ✏

@SimenB Yes, that also gives me the `Bootstrap's Javascript requires jQuery.` error. FWIW, I'm able to spoof the functionality by creating a fake jquery function. – westbyb Jul 21 '17 at 20:16 ✏

Was this issue ever solved? Having the same problem right now. – Siavash Feb 21 '18 at 17:20 ✏

@Siavash I never got a good solution for adding actual jQuery. I ended up stubbing out a fake version with `modal` and other functions I needed in order to get the tests to pass. – westbyb Feb 21 '18 at 21:34

Coming back to this a few years later -- I'll say that I never found an issue to the exact problem I was having, but I stopped working on the project so I don't know if the following answer is correct. I won't mark it as answered since I can't verify, but it seems some people are having success with it. I imagine my issue likely had some additional scoping issues that I wasn't taking into account at the time.

– westbyb May 19 '20 at 18:41

1 Answer

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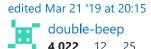
This is what helped me:

```
$.fn.modal = jest.fn();
```

The mocking will also avoids one to include Bootstrap for test suite.

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edited Mar 21 '19 at 20:15   answered Mar 21 '19 at 19:58

double-beep   kks1
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that's what I was looking for! – sergioviniciuss Aug 30 '19 at 13:58