

Error: Can't set headers after they are sent. Express.js



Im kinda new at node and stack for a long time with this error. Please help me solve my problem. Here is my code:

```
app.get('/', function(req, res){
  request(url, function(err, response, html){
    if (!err && response.statusCode == 200){
      var page = cheerio.load(html);
      page('.search-result-description').each(function(){
        var data = [];
        var name = page(this).find('.search-result-item__head');
        var company = page(this).find('.search-result-item__company');
        var description = page(this).find('.search-result-item__snippet');
        var requirements = page(this).find('.search-result-item__snippet');
        var salary = page(this).find('.b-vacancy-list-salary');

        data.push({
          vac_name: name.eq(0).text(),
          vac_description: description.eq(0).text(),
          vac_requirements: requirements.eq(0).text(),
          var_company: company.eq(0).text(),
          vac_salary : salary.eq(0).text()
        });
        data = JSON.stringify(data, null, 4);
        res.render('main.ejs', {data: data});
      });
    }
  });
});
```

node.js express

edited Jul 14 '16 at 3:50

asked Jul 14 '16 at 3:41

 Deeps HIT
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2 Answers

Methods that send the http response like `res.render()` can only be called once per request (there's only one response per request). When you call them more than once, you get the error message about headers already being sent.

Assuming your `page()` function is synchronous, you just need to move a couple statements after the end of the loop instead of inside the loop and move your declaration of the `data` variable outside the loop too so you can accumulate data with the loop:

```
app.get('/', function(req, res) {
  request(url, function(err, response, html) {
    if (!err && response.statusCode == 200) {
      var page = cheerio.load(html);
      var data = [];
      page('.search-result-description').each(function() {
        var name = page(this).find('.search-result-item__head');
        var company = page(this).find('.search-result-item__company');
        var description = page(this).find('.search-result-item__snippet');
        var requirements = page(this).find('.search-result-item__snippet');
        var salary = page(this).find('.b-vacancy-list-salary');

        data.push({
          vac_name: name.eq(0).text(),
          vac_description: description.eq(0).text(),
          vac_requirements: requirements.eq(0).text(),
          var_company: company.eq(0).text(),
          vac_salary: salary.eq(0).text()
        });
      });
      res.render('main.ejs', {
        data: JSON.stringify(data, null, 4);
      });
    }
  });
});
```

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```
});  
});
```

You also should have some error handling if the `request()` operation returns an error. As it stands now, you just never respond to the request.

answered Jul 14 '16 at 4:23



[jfriend00](#)


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Thanks a lot, it completely resolve the problem. – [Deeps HIT](#) Jul 14 '16 at 4:33



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In express, the method `render()`, `send()`, `json()` can invoke one time to response to the client, the second invoke will emit Error: Can't set headers after they are sent. From your code, `res.render()` was invoked many times, because you call it inside a loop. It's better if you check if response is finish or not before invoke `render()`, or rework your logic to call `render()` only one.

answered Jul 14 '16 at 3:50



[Kiet Thanh Vo](#)

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