

# The Hitchhiker's Guide to Browser Developer Tools

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# Why developer tools?





# Why developer tools?





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# What are developer tools?



All browsers



Interactive

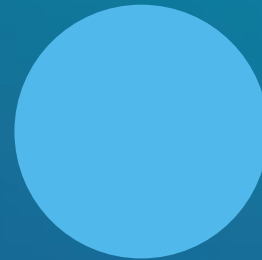


Powerful

# Agenda



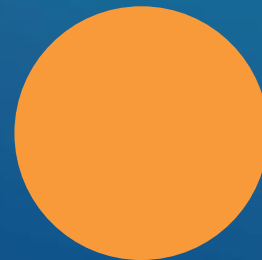
Device Simulation



Elements



Sources



Network

[tinyurl.com/hitchhiker-ghc-2019](https://tinyurl.com/hitchhiker-ghc-2019)

# Chrome Developer Tools

Right click an element > Inspect

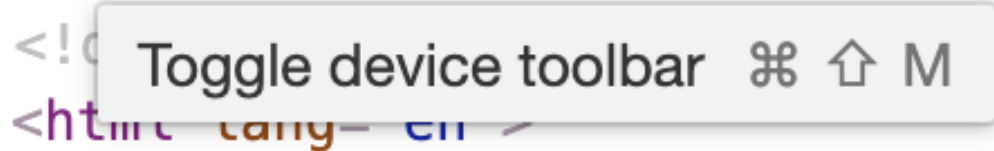
Shortcuts:

- Mac: command + option + i
- Windows: F12





# Device Simulation

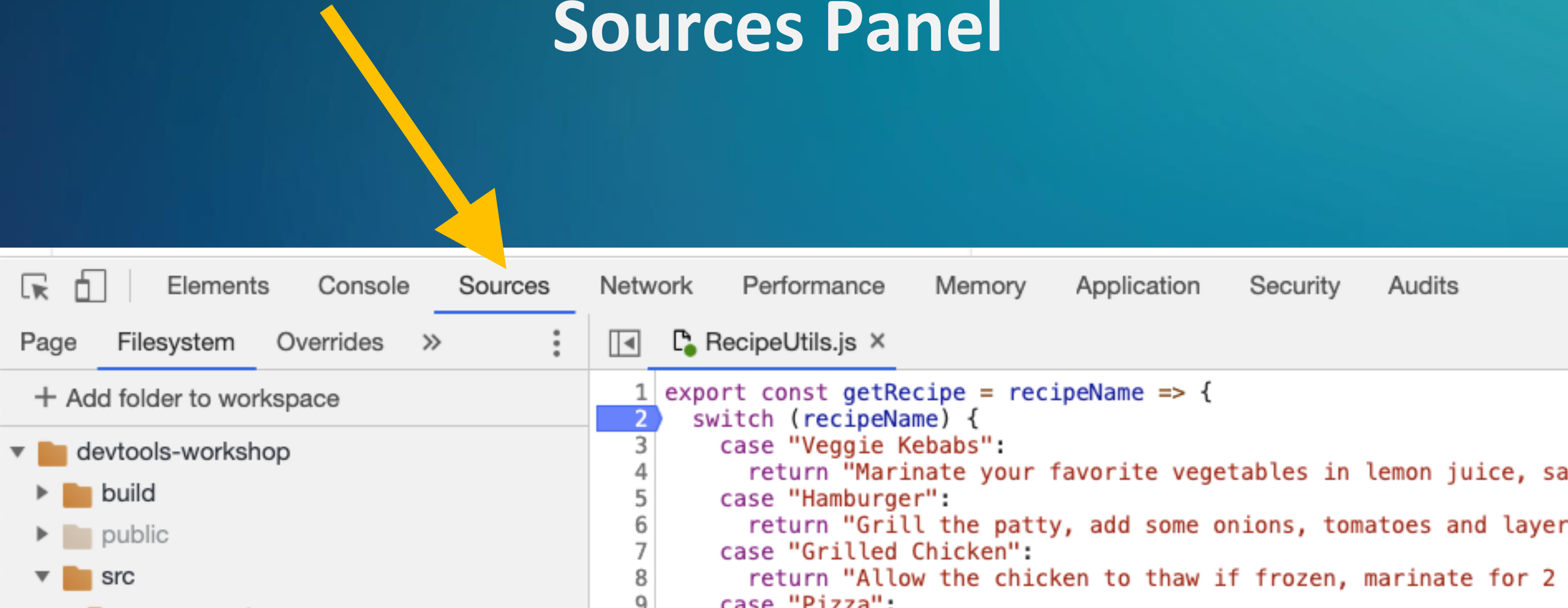


# Elements



```
<!doctype html>
<html lang="en">
  <head>...</head>
  <body> == $0
    <noscript>You need to enable JavaScript to run this app.</noscript>
    <div id="root">...</div>
```

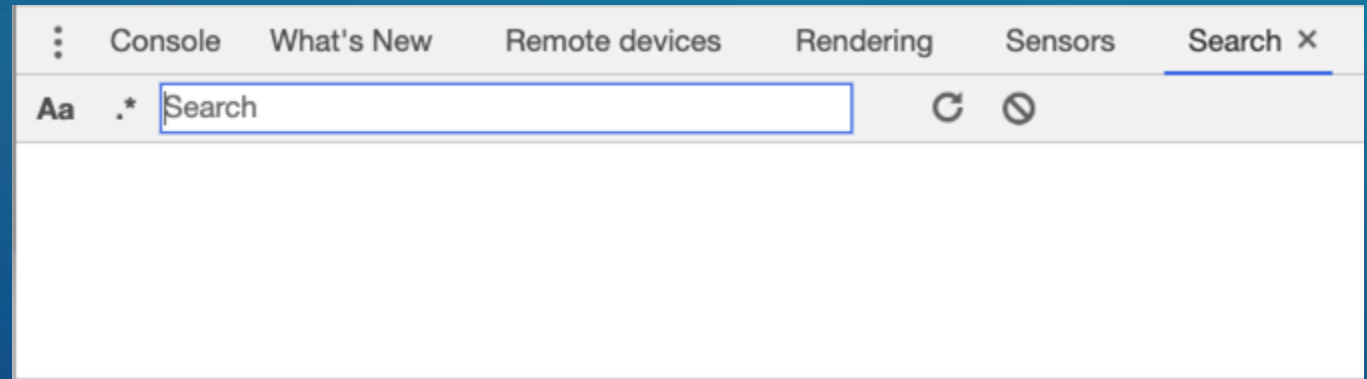
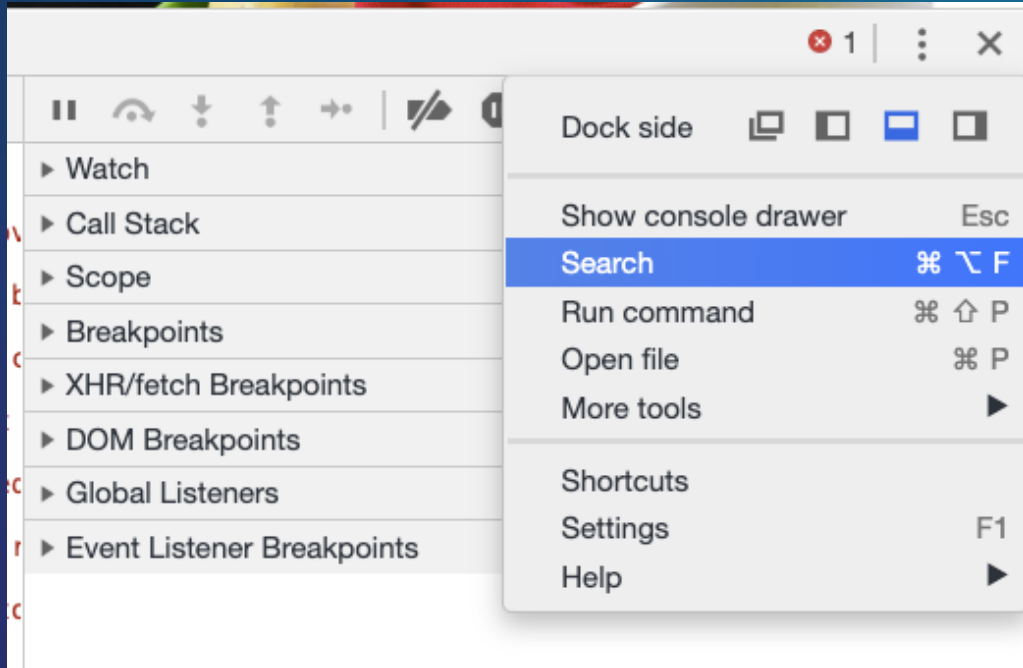
# Sources Panel



# Your Turn!

The Prawn dish does not have calories and recipe. How do we fix this?

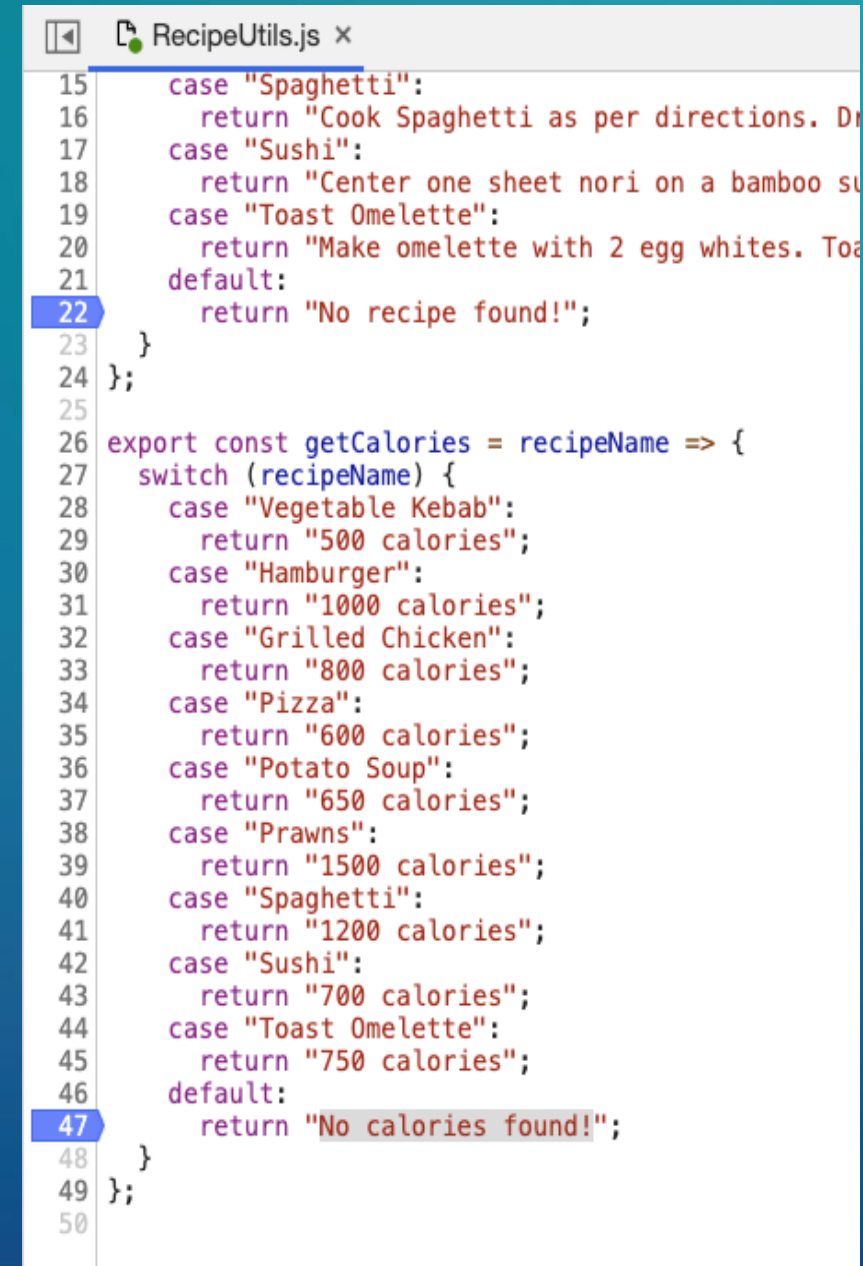
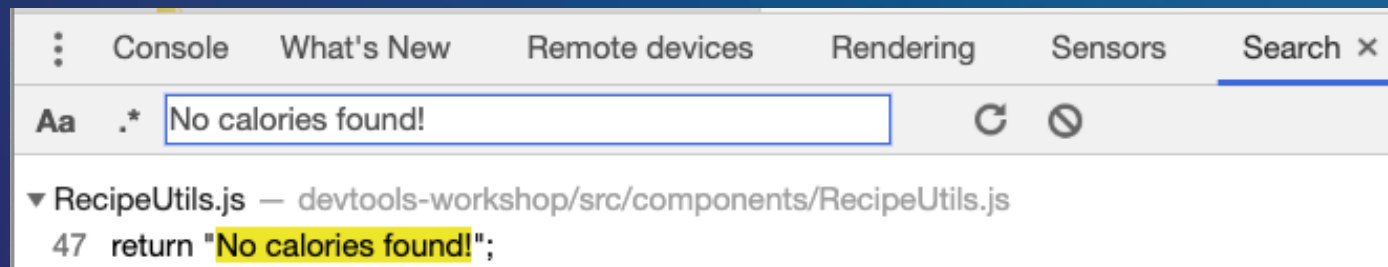
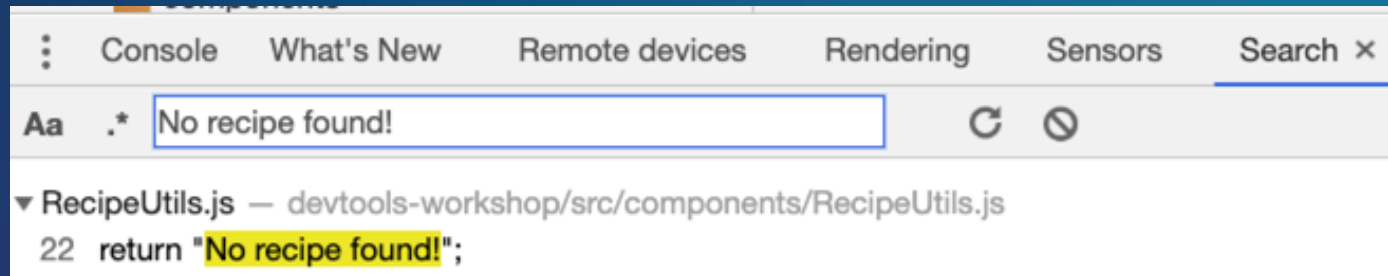
- Which phrases or words would you search for?
- Where would you add the breakpoints?
- What would need to change?





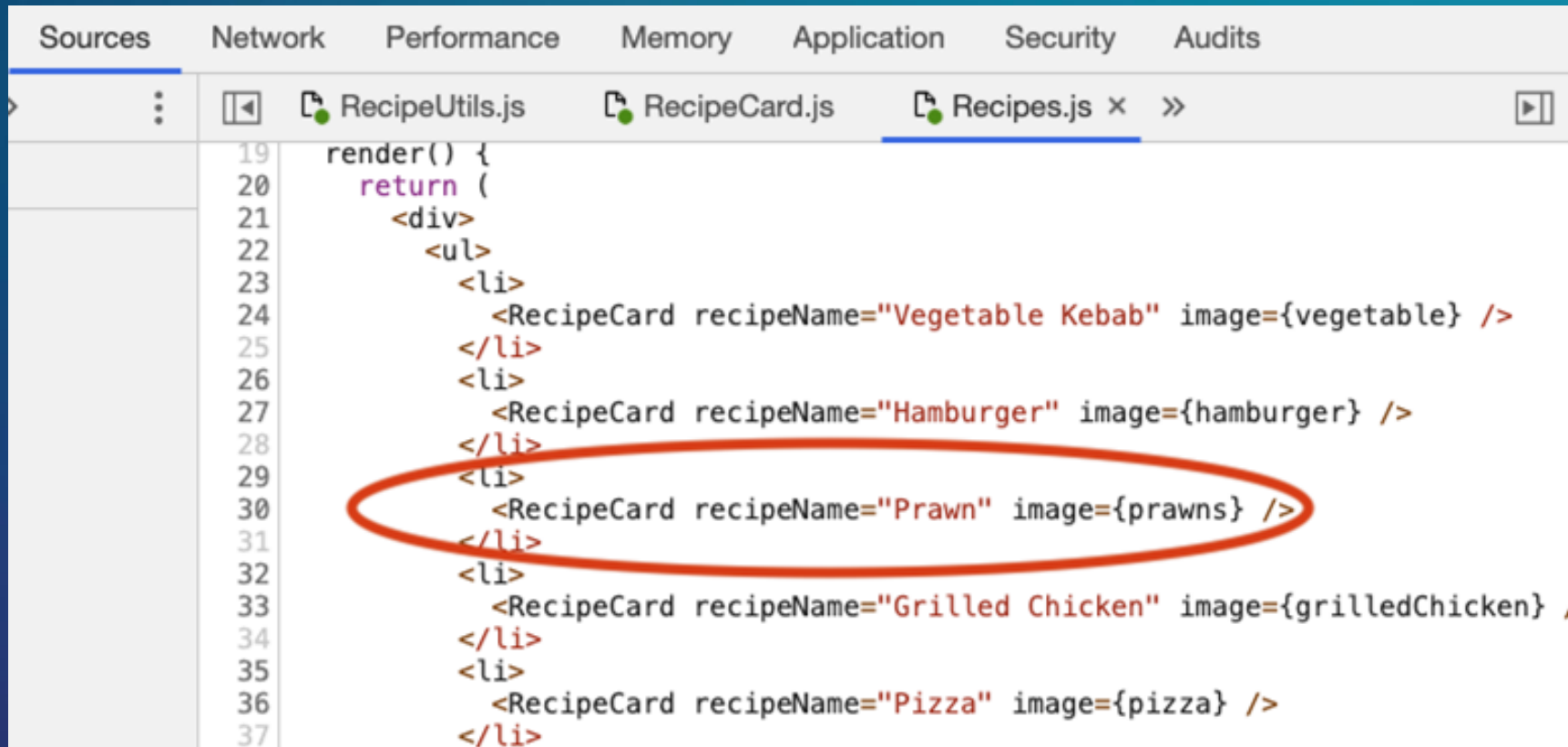
# Solution - Sources Panel

- Search for “No recipe found!” and “No calories found!”
- Add breakpoints to the getRecipe() and getCalories() functions in RecipeUtils.js.



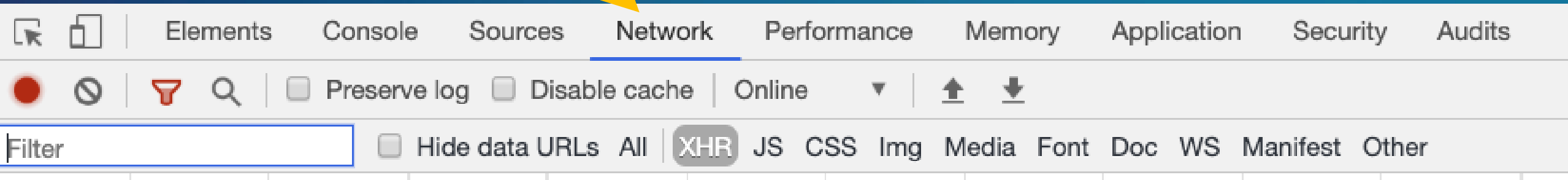
# Solution - Sources Panel

- Search for “recipeName”
- Change “Prawn” to “Prawns” - possible in local deployments and not on production



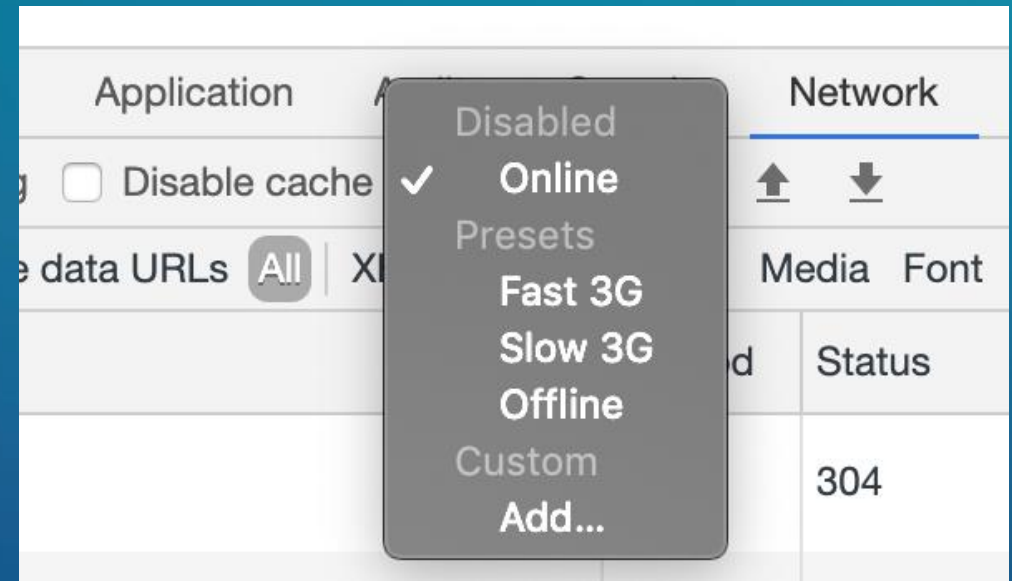
```
19 render() {
20   return (
21     <div>
22       <ul>
23         <li>
24           <RecipeCard recipeName="Vegetable Kebab" image={vegetable} />
25         </li>
26         <li>
27           <RecipeCard recipeName="Hamburger" image={hamburger} />
28         </li>
29         <li>
30           <RecipeCard recipeName="Prawn" image={prawns} />
31         </li>
32         <li>
33           <RecipeCard recipeName="Grilled Chicken" image={grilledChicken} />
34         </li>
35         <li>
36           <RecipeCard recipeName="Pizza" image={pizza} />
37         </li>
38       </ul>
39     </div>
40   );
41 }
```

# Network



# Your Turn!

1. Throttle to Slow 3G
2. Hard reload a website
3. Note how the page loads
  - o What loads first?
  - o Are elements moving around?





# Resources

[developers.google.com/web/tools/chrome-devtools](https://developers.google.com/web/tools/chrome-devtools)

[tinyurl.com/hitchhiker-ghc-2019](https://tinyurl.com/hitchhiker-ghc-2019)

[github.com/fj1/devtools-workshop](https://github.com/fj1/devtools-workshop)

# Why developer tools?



Please remember to  
complete the session  
survey in the mobile  
app.

THANK YOU



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