The Hitchhiker's Guide to Browser Developer Tools

Frances Jurek Neeha Bollepalli



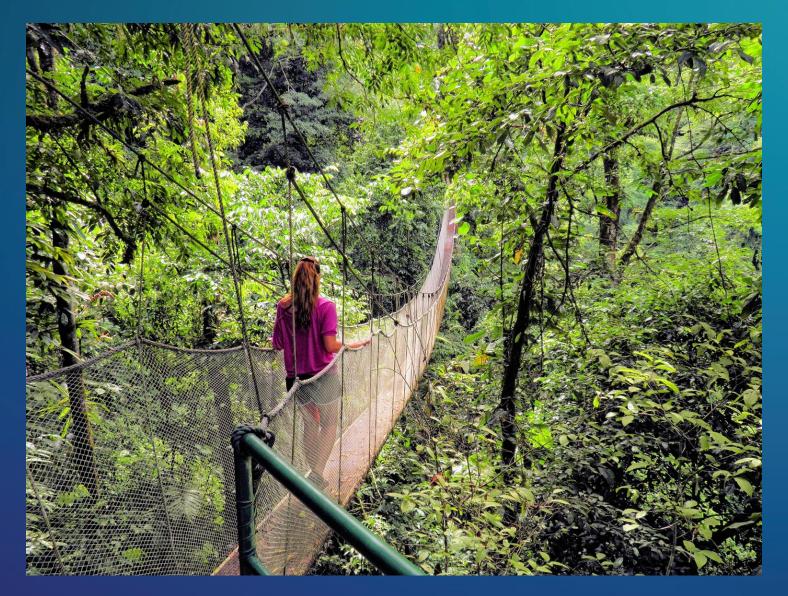


# Why developer tools?





# Why developer tools?





### Neeha Bollepalli PROS



@NeehaBollepalli



Frances Jurek
PROS



@alaskafrances





## What are developer tools?







All browsers

Interactive

Powerful



### Agenda



**Device Simulation** 



Elements



Sources



Network



## tinyurl.com/hitchhiker-ghc-2019



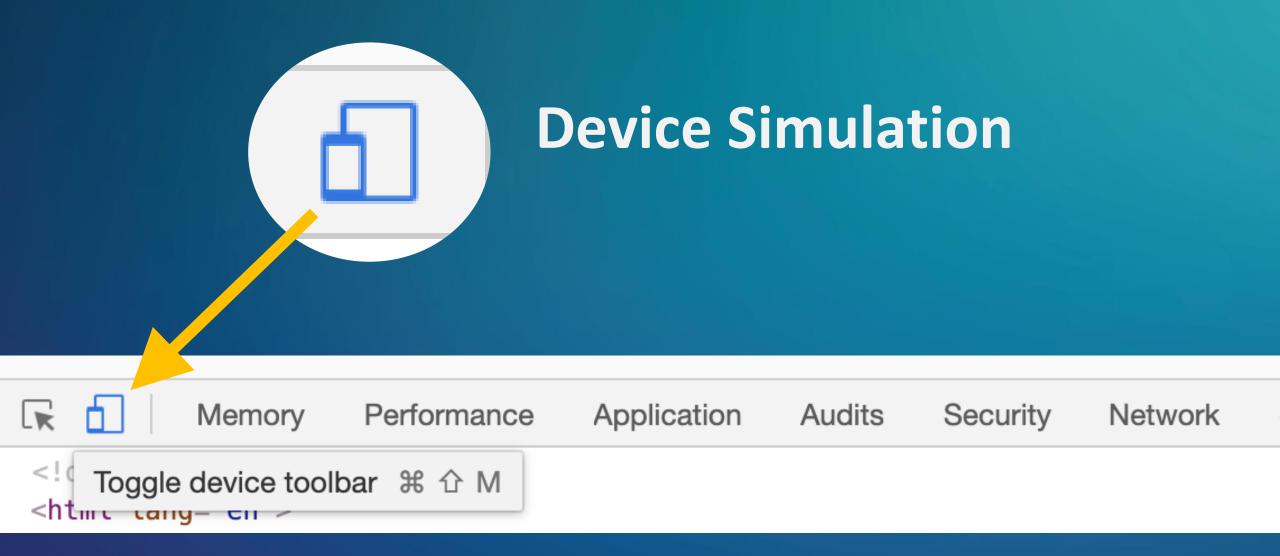
### **Chrome Developer Tools**

Right click an element > Inspect

#### **Shortcuts:**

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





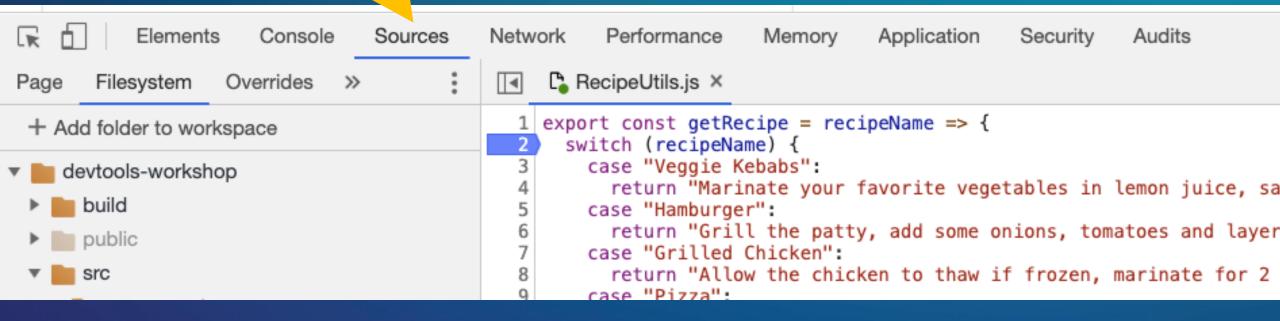


#### **Elements**

```
Elements Console Sources Network Performance Memory Application Section of the se
```



#### Sources Panel

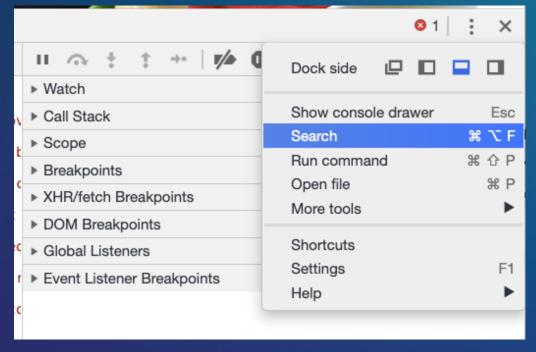




### Your Turn!

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?

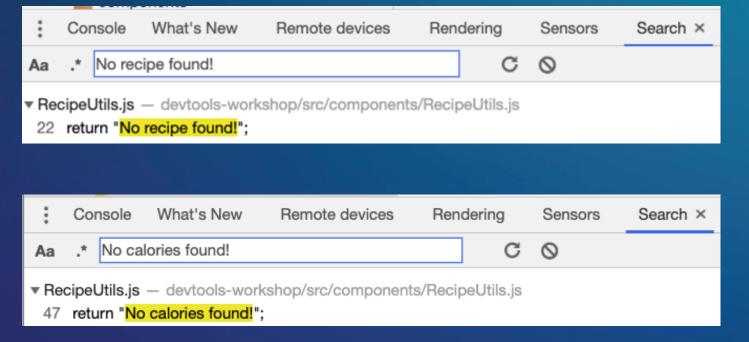






### **Solution - Sources Panel**

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



```
RecipeUtils.js ×
        case "Spaghetti":
          return "Cook Spaghetti as per directions. Dr
16
        case "Sushi":
17
          return "Center one sheet nori on a bamboo su
        case "Toast Omelette":
          return "Make omelette with 2 egg whites. To:
        default:
22
          return "No recipe found!";
23
24 };
25
   export const getCalories = recipeName => {
     switch (recipeName) {
        case "Vegetable Kebab":
28
          return "500 calories";
        case "Hamburger":
          return "1000 calories":
        case "Grilled Chicken":
          return "800 calories";
34
        case "Pizza":
35
          return "600 calories":
        case "Potato Soup":
          return "650 calories";
38
        case "Prawns":
          return "1500 calories";
        case "Spaghetti":
          return "1200 calories";
        case "Sushi":
          return "700 calories":
43
        case "Toast Omelette":
          return "750 calories";
        default:
47
          return "No calories found!";
48
49 };
50
```



#### **Solution - Sources Panel**

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

```
Sources
          Network
                    Performance
                                  Memory
                                            Application
                                                         Security
                                                                   Audits
                                 RecipeCard.js
               RecipeUtils.js
                                                    Recipes.js × >>
                                                                                        ▶
                 render() {
           20
                  return (
           21
                    <div>
                      <l
           23
                        li>
           24
                          <RecipeCard recipeName="Vegetable Kebab" image={vegetable} />
                        26
                        <
           27
                          <RecipeCard recipeName="Hamburger" image={hamburger} />
                        </li≥
           29
           30
                          <RecipeCard recipeName="Prawn" image={prawns}</pre>
           31
                         32
                        <
           33
                          <RecipeCard recipeName="Grilled Chicken" image={grilledChicken} /</pre>
           34
                        35
                        <
           36
                          <RecipeCard recipeName="Pizza" image={pizza} />
```

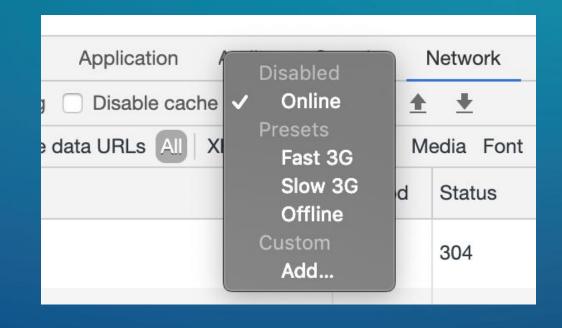


#### Network Elements Console Sources Network Performance Memory Application Security Audits Preserve log Disable cache Online JS CSS Img Media Font Doc WS Manifest Other Filter Hide data URLs All XHR



#### 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

tinyurl.com/hitchhiker-ghc-2019

github.com/fj1/devtools-workshop



# Why developer tools?







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



@alaskafrances



@NeehaBollepalli

**THANK YOU** 



