React API Library

It's Not always about you REACT, it's API's time today!

Group 7:

Deepshikha,   Jonathan,
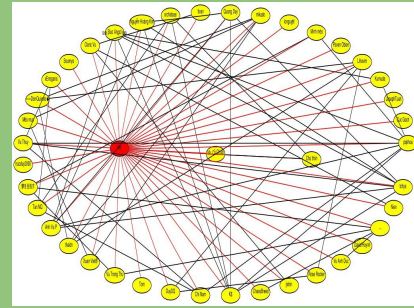Lennart,   Nicholas,
Sophie

Rules of Engagement

1. Fetch request
2. Two requests to two different endpoints
3. Add some wow factors
4. Create a brief proposal of what the team plans to include in the project. A checklist will be fine
5. Be sure to implement the topics you have learned in class up to this point
6. If you choose to implement additional code that has not been covered in class, be sure the entire team agrees and seek prior approval from the instructor/TA. **AXIOS!!!**
7. You must include HTML, CSS, JavaScript
8. Primitive data types, objects, arrays, this keyword at a minimum and then be creative and include OOP!
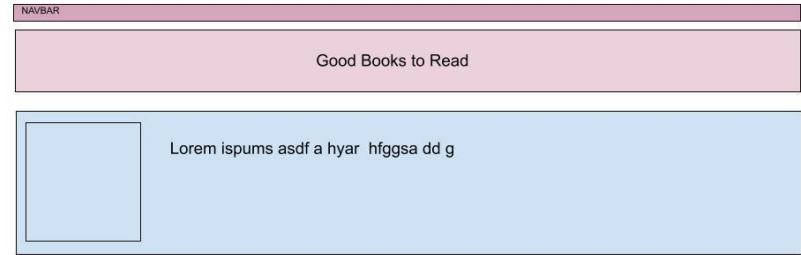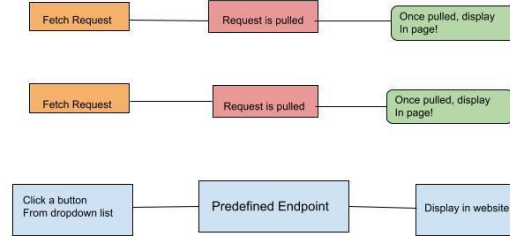

*Jonathan, your mic is muted

I was Framed

Initial Design

1. Fetch request
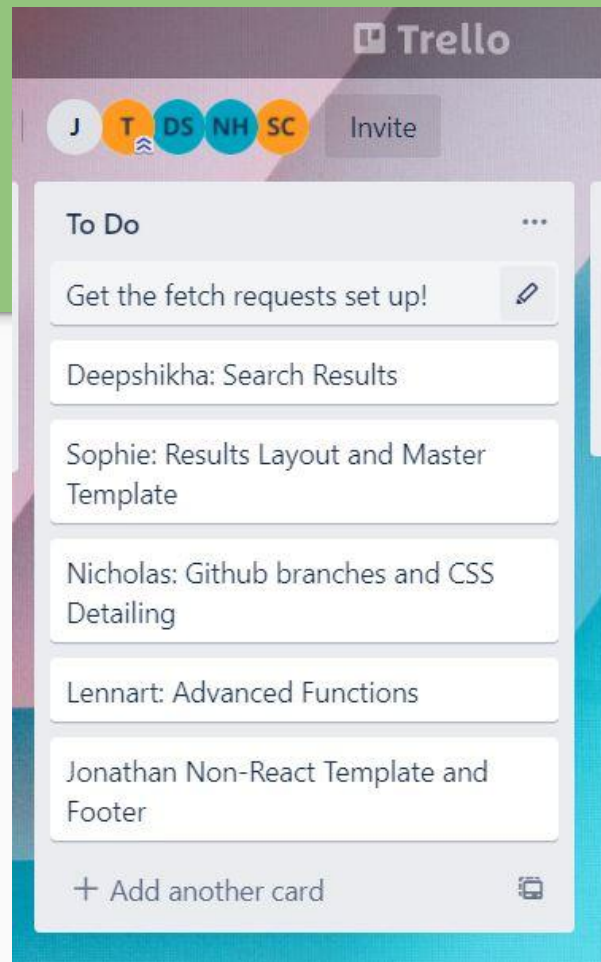2. Request pulled
3. Results posted

Slight Change of Plans

- React wasn't playing nicely
- Refocused on the API
- Discovered our search functions provided redundant Endpoints
- Renewed emphasis on design and functionality

- Google Draw
- Trello
- Github

*Don't mess this up, Deepshikha

Behind The Scenes

- HTML, CSS, Javascript
- Function that calls on 3 API endpoints
- OnClick button returns 3 results max

```html
24
25      <!-- layout -->
26      <!-- Header -->
27      <div class="container-fluid">
28          <div class="row" id="header">
29              <h1>
30                  Library Search
31              </h1>
32          </div>
33
34      </div>
35      </div>
36      <!-- Search -->
37      <div class="container-fluid" id="page-container">
38          <div class="row" id="content-wrap">
39              <div class="col">
40                  <input id="input1">
41                  <button onClick="getBooks1()">Get List 1</button>
42                  <div id="output1">
43
44                  </div>
45              </div>
46              <div class="col">
47                  <input id="input2">
48                  <button onClick="getBooks2()">Get List 2</button>
49                  <div id="output2">
50
51                  </div>
52              </div>
53
54      </div>
55      <!-- Footer -->
56      <footer class="container-fluid" id="footer">
57
58          <h1>
59              Thanks for browsing!
60          </h1>
```

Down with OOP

- Author
- Title
- Cover Image


```js
{/* <script> */}
function getBooks1(){
    document.getElementById('output1').innerHTML="";
    fetch("https://openlibrary.org/search.json?q="+document.getElementById("input1").value)
    .then(a =>a.json())
    .then(response=>{
        for(var i=0; i<5; i++){
            document.getElementById("output1").innerHTML+="<h2>"+
            "<br>Title: &nbsp"+response.docs[i].title+"</h2>"+"By: "
            +response.docs[i].author_name+
            "<br><br><img src='https://covers.openlibrary.org/b/isbn/"
            +response.docs[i].isbn[0]+"-M.jpg'><br><br><hr><br>";   }
    });
}
```

Problem Child...other than Lennart

- Planned to implement the project with REACT, but proved too time consuming
  - Webpack didn't let us run the npm- had to delete it from root dir, mapping of components got tricky etc..
- A handful of small CSS issues that we managed to resolve

———

- Correcting our Div structure, along with inheritance, turned into untangling a mound of wires!

*Just stick to the plan, Sophie

Victory Lap

- We implemented bootstrap from the start
- We had the foresight to split the team in two and run both a REACT and NON-REACT project
- We strengthened our practice of Github branching
- The distribution of tasks was evenly distributed
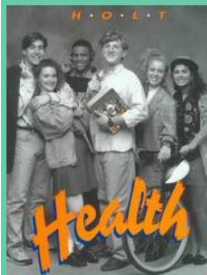
Evolution part 1

Library Search

gold | Get List 1

Laws, etc
Rand McNally

Health
Gold

Repères et situations éthiques en médecine
Gold

goat | Get List 2

Just a Girl Who Loves Goats
Goat Goat lover

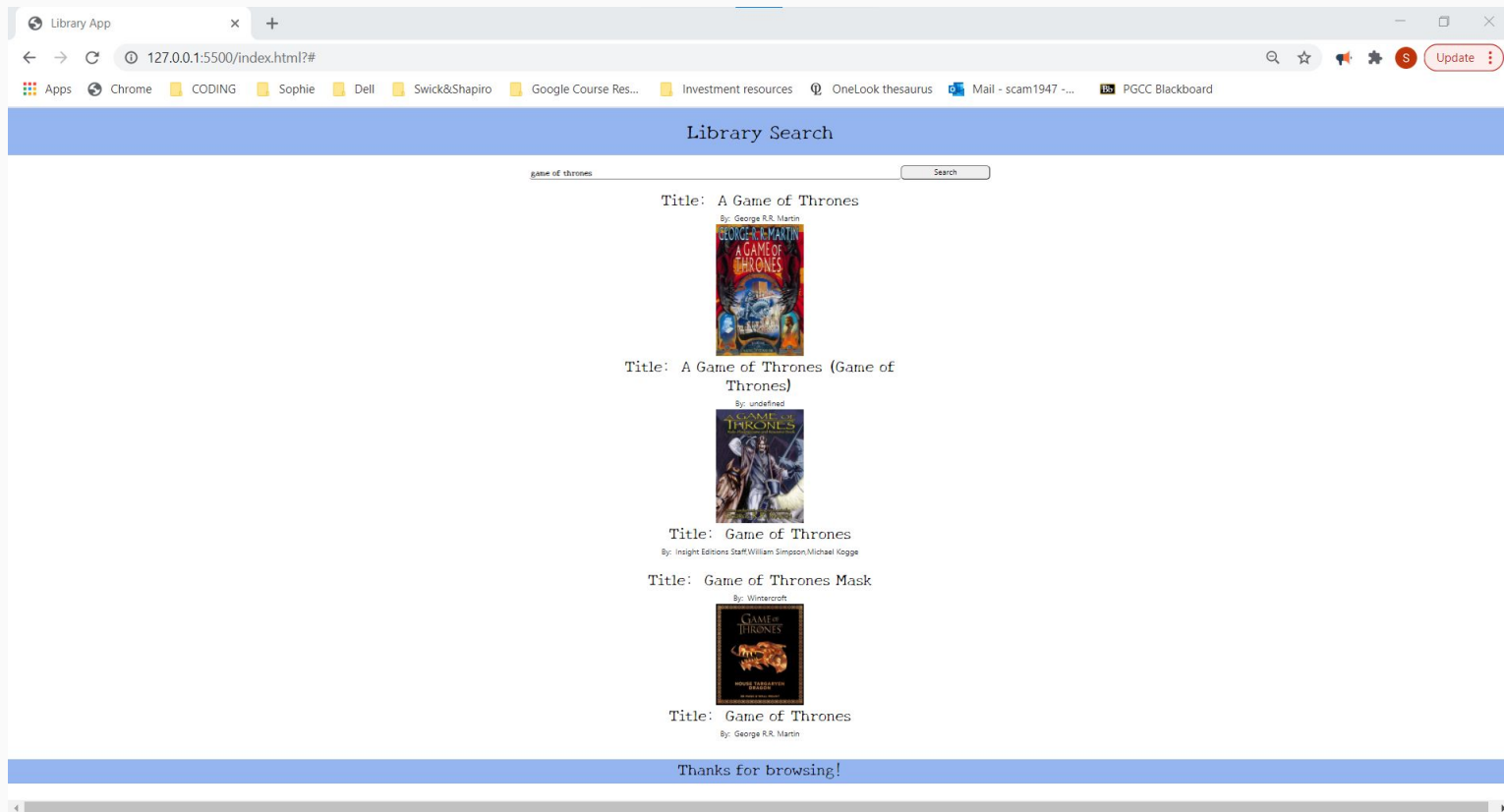## I Just Freaking Love Goats, Ok Journal Gift
Goat Goat lover

Goat Record Keeping Log Book
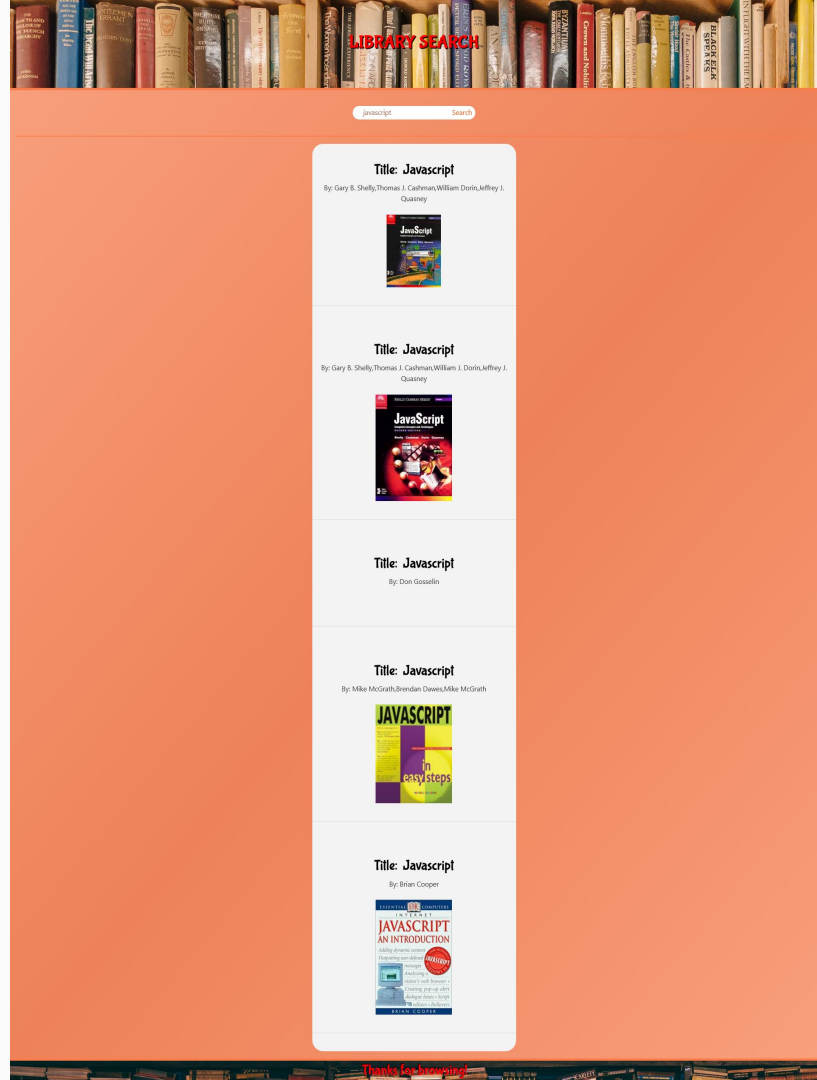Goat Goat lover

*Lennart *really* likes goats!

Evolution part 2

Evolution part 3

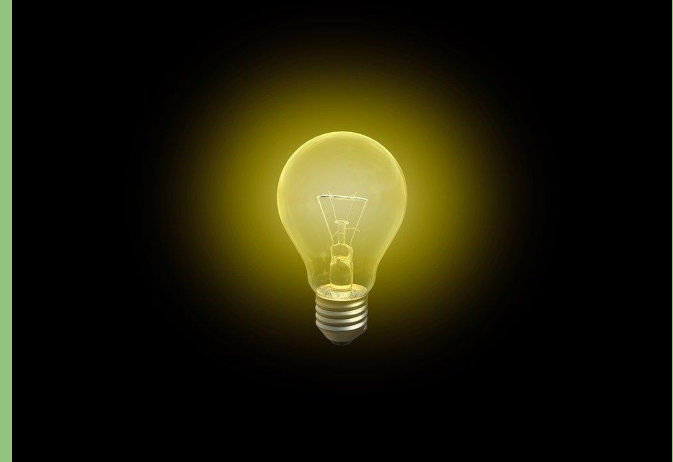A lot of css, revisions, and cleaning up…

We finally have a finished product!

"Coding - everyone thinks it's a superpower. And so when you feel like, 'I've learned how to code,' and you say to your mom or the girl sitting next to you, 'I know how that app is built, I know the logic behind how that was created' - that's powerful."

-Reshma Saujani

#LearnToCode

Mic Drop!

Ask Away, Do your worst!

Minister of Mental Health and Caffeine: Deepshikha

Snake Milker: Nicholas

Crayon Evangelist: Lennart

I Brought Cookies: Sophie

Sixth Man and Janitor: Jonathan

*wrap it up with a bow Nicholas