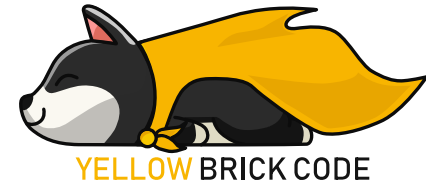


No time. No designer. Still beautiful!

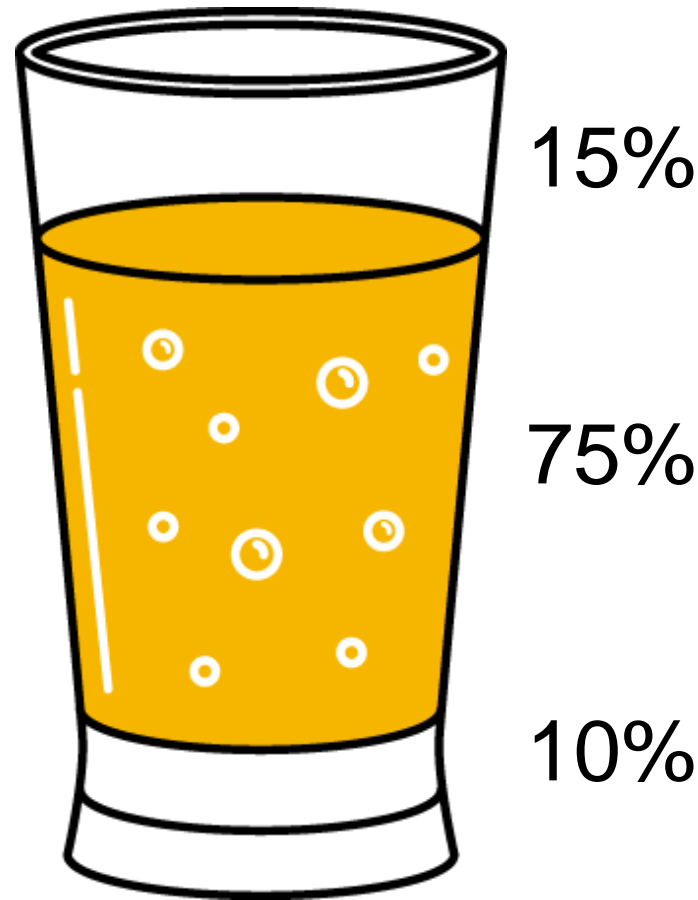
Using component libraries to help design beautiful web apps when time isn't on your side and you don't have a designer



Who am I?

- Sarah Williams
 - CTO @ Nightingale HQ
 - Consultant @ Yellow Brick Code
- Cloud native architect
- 75% stack developer

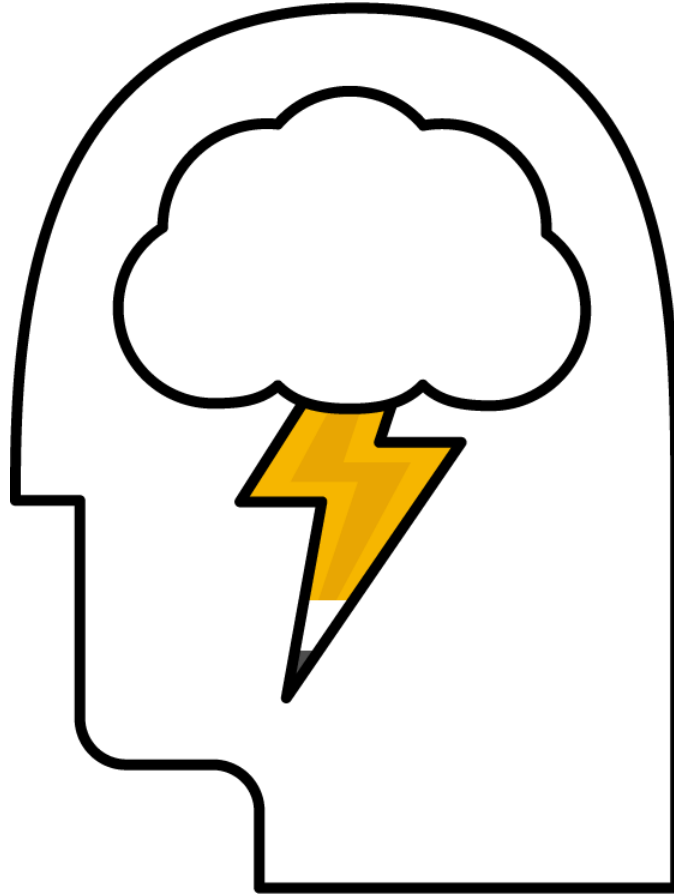
What's a 75% stack developer?



How did I get to this point?

- Short on time
- Don't have a designer
- Not very creative
- Not great at CSS

How do I get what's in my head out and on the screen?



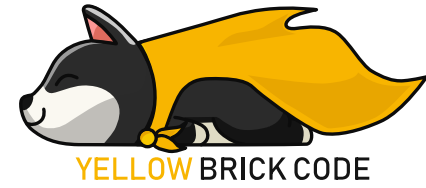
Let's build a Lego catalogue!

I want to keep track of what Lego kits I have, which ones I've built and how many pieces they have

The challenge



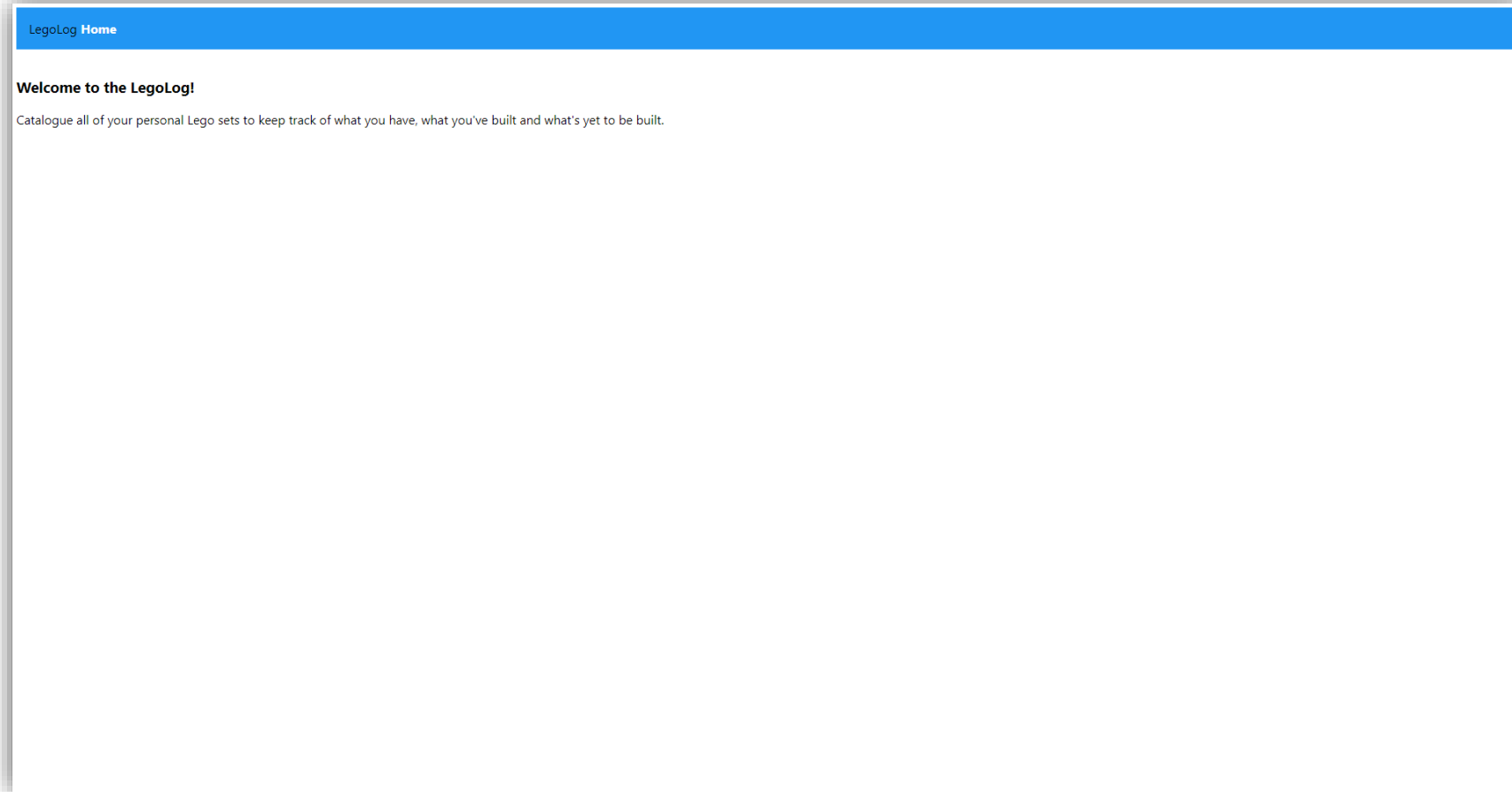
15 minutes



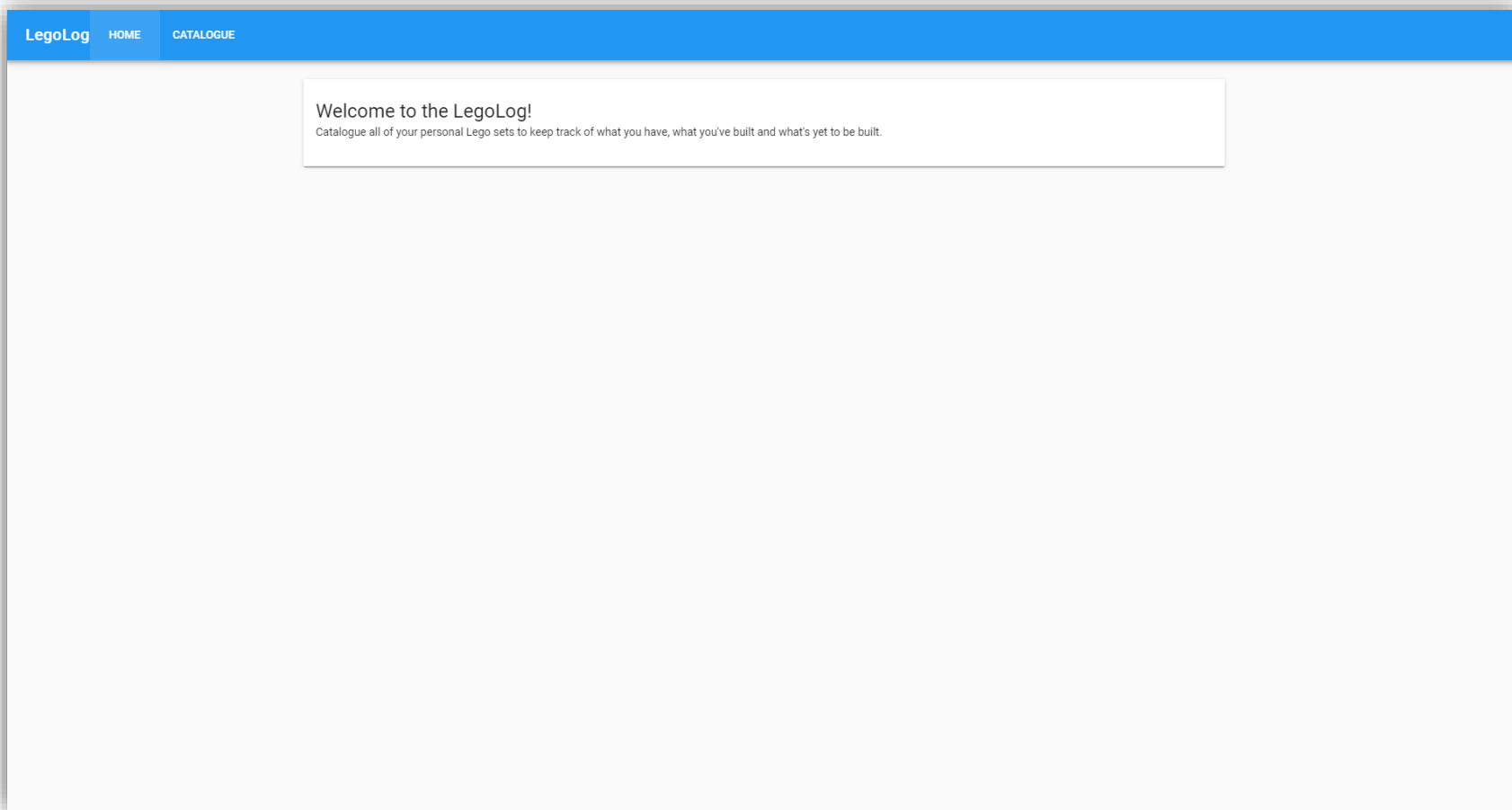
Component 1: The base layout

- Needs to be responsive
- Needs a way to navigate the web app

Component 1 – The results...



Component 1 – The results...



Component 1 – The stats

Solo

- Markup = 12 lines
- **CSS = 27 lines**
- JS = 0 lines

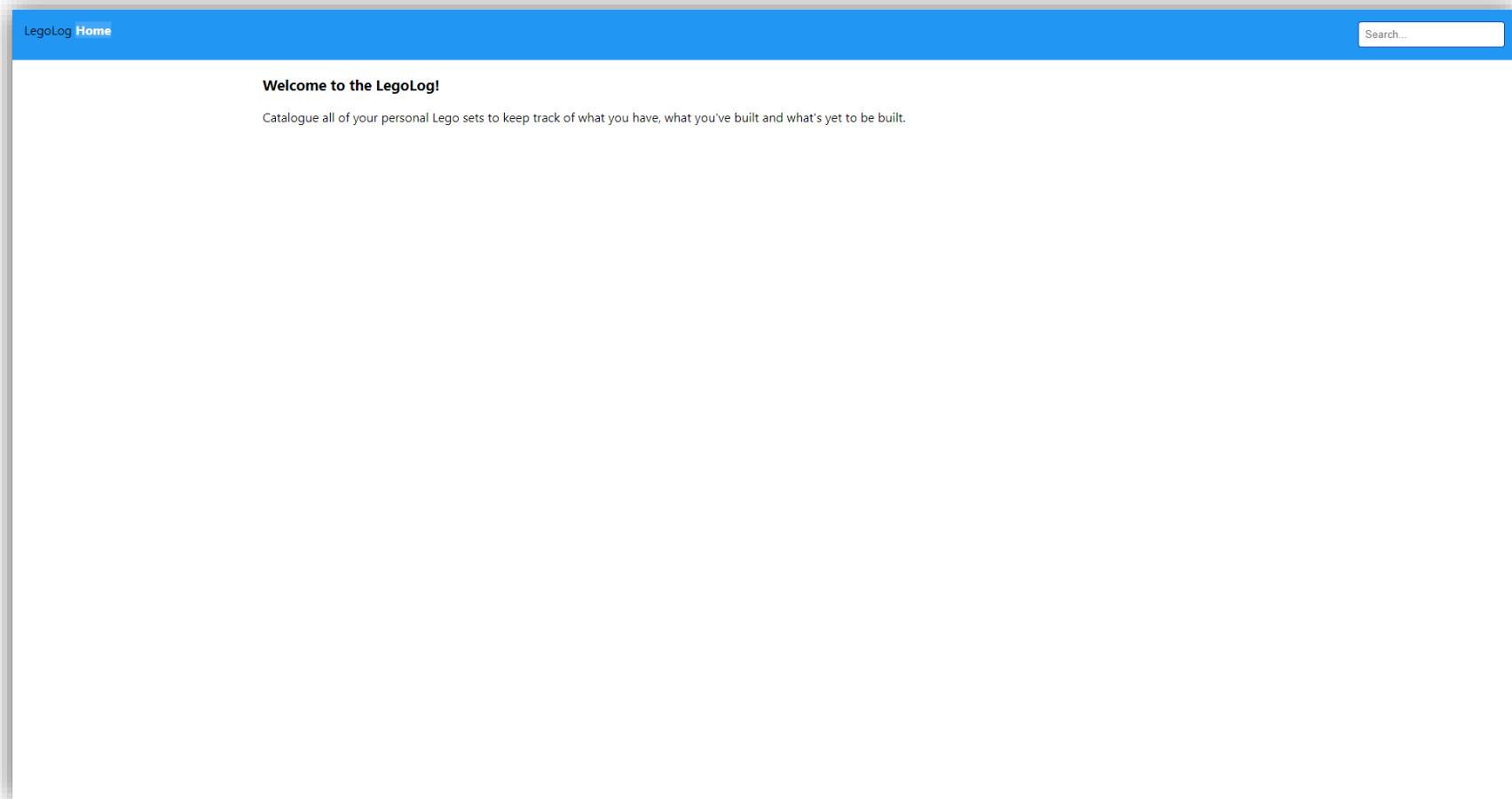
Supported

- Markup = 29 lines
- **CSS = 0 lines**
- JS = 6 lines

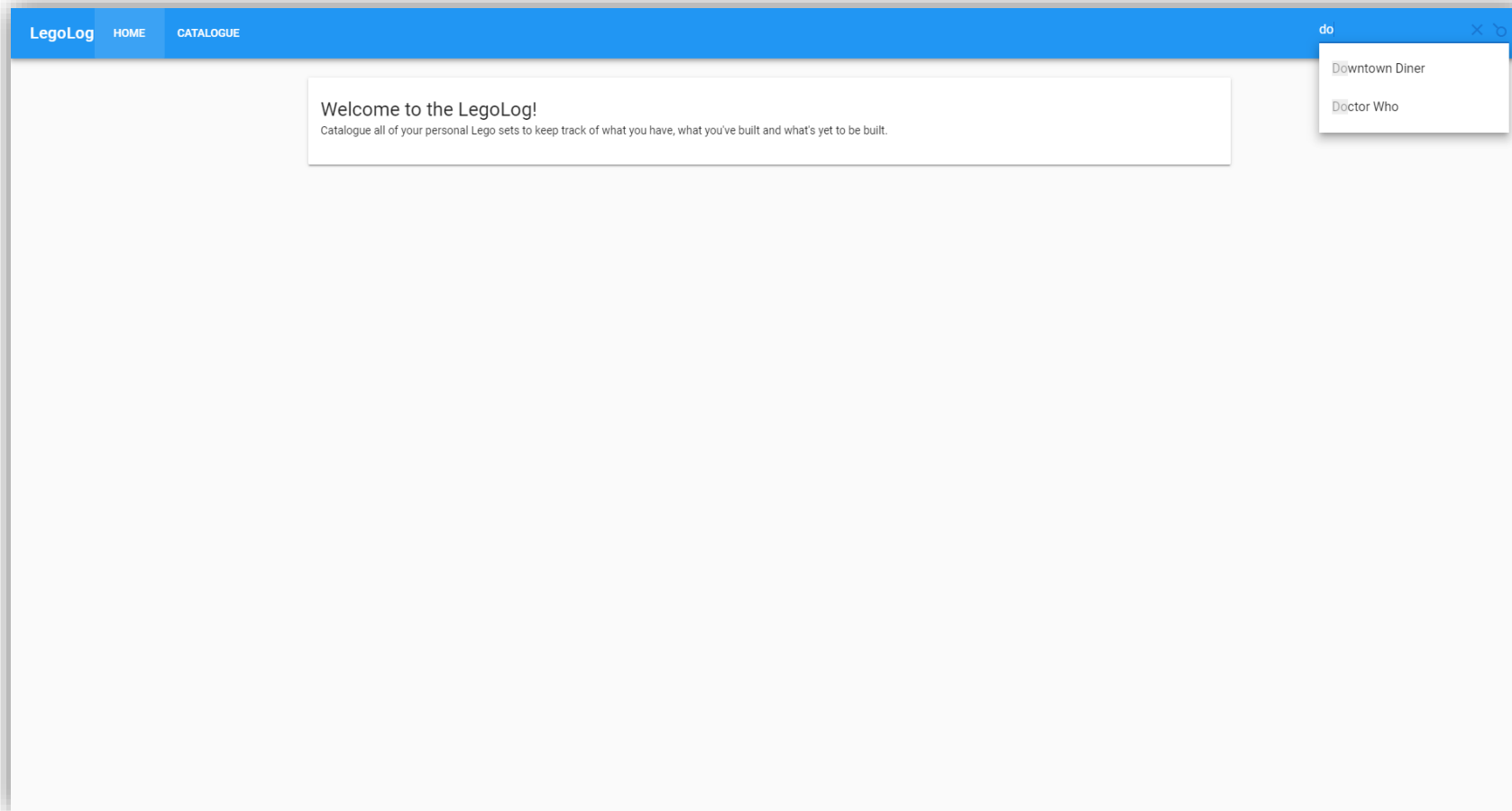
Component 2: Search

- Needs to be easy to use
- Should offer suggestions as you search

Component 2 – The results...



Component 2 – The results...



Component 2 – The stats

Solo

- Markup = 9 lines
- **CSS = 16 lines**
- JS = 3 lines

Supported

- Markup = 14 lines
- **CSS = 0 lines**
- JS = 30 lines (20 of those were data)

Component 3: The catalogue

- Needs to display information about all the kits in the catalogue
- Should have pagination

Component 3 – The results...

LegoLog Home Catalogue Search...

Your LegoLog

You currently have 18 sets.

75015	Star Wars	Millenium Falcon	1330	Yes
10260	Creator Expert	Downtown Diner	2480	Yes
10220	Creator Expert	Volkswagen T1 Camper Van	1332	Yes
71006	The Simpsons	The Simpsons House	2523	Yes
75954	Harry Potter	Hogwarts Great Hall	878	Yes
75955	Harry Potter	Hogwarts Express	801	Yes
75953	Harry Potter	Hogwarts Whomping Willow	753	Yes
75956	Harry Potter	Quidditch Match	500	No
21309	Ideas	NASA Apollo Saturn V	1969	Yes
76105	Marvel Super Heros	The Hulkbuster: Ultron Edition	1363	Yes
76107	Marvel Super Heros	Thanos: Ultimate Battle	674	No
21304	Ideas	Doctor Who	625	Yes
10257	Creator Expert	Carousel	2670	No
10235	Creator 3-in-1	Winter Village Market	1261	Yes

Component 3 – The results...

LegoLog HOME CATALOGUE Search...

Your LegoLog
You currently have 18 sets.

Search

ID ↑	Theme	Set	Pieces	Built
10220	Creator Expert	Volkswagen T1 Camper Van	1332	✓
10235	Creator 3-in-1	Winter Village Market	1261	✓
10245	Creator 3-in-1	Santa's Workshop	883	✓
10249	Creator Expert	Winter Toy Shop	898	✓
10254	Creator Expert	Winter Holiday Train	734	✓

Rows per page: 5 1-5 of 18 < >

Component 3 – The stats

Solo

- Markup = 19 lines
- **CSS = 45 lines**
- JS = 40 lines (22 of those were data)

Supported

- Markup = 38 lines
- **CSS = 0 lines**
- JS = 16 lines

The good parts

- Saves a lot of time
- You don't need to be a good designer
- You don't need to be good at CSS
- They're well tested
- They use familiar UX patterns

The bad parts

- Tightly couples you to the chosen library
- Your UI isn't unique
- It won't cover everything
- It's not as good as having a dedicated designer & front-end developer

Best fit

- Rapid prototyping
- Minimum Viable Product (MVP) development
- Small to medium projects
- Open source projects
- Teams without a dedicated designer

Other libraries

- React
 - Material-UI
 - React Toolbox
 - Grommet
- Vue
 - Vuetify
 - Keen UI
 - Buefy
- Aurelia
 - Materialize Bridge
- Angular
 - Material
 - PrimeNG

Thank you!

I appreciate your time today and hope you found some of the information useful