INTRO TO HACKATHONS

02 FRONT-END

bit.ly/glitch-hs-18

Open this link in two tabs: one will stay the same as my copy,
the other you can edit freely

0.

Recap

Last workshop...

- We introduced the workshops.
- We now have a web server!
  - Including our own API! /upvote/:dog-id
- We can upvote and downvote dogs.

1.

WHAT IS A FRONT END?

The part of a website that a user sees and interacts with.

- **Rob, a couple weeks ago**

2.

Recap: Templating Engines

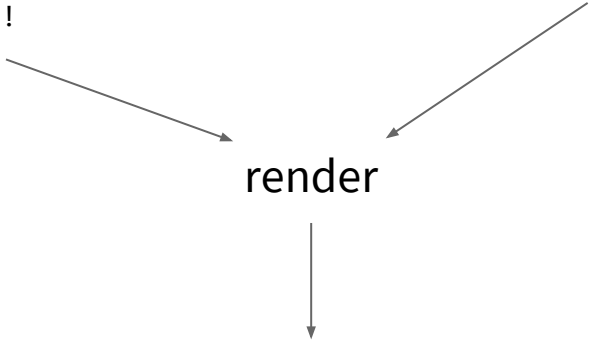
What's Pug?

Pug

```
p #{name}'s cool #{type} code!
```

Data

```
{
  name: "Will",
  type: "source"
}
```



HTML

```
<p>Will's cool source code!</p>
```

What's Pug?


```
const pug = require('pug');

// Compile the source code
const render = pug.compile('p #{name}’s cool #{type} code!');

// Render a set of data
const rendered = render({
  name: “Will”,
  type: “source”
})

console.log(rendered);
// "<p>Will’s Pug source code!</p>"
```

Alternatives

- EJS Node // http://ejs.co like HTML

In other languages…

- ERB Ruby // Ruby Standard Library like HTML
- HAML Ruby // http://haml.info like Pug
- Jinja Python // http://jinja.pocoo.org like HTML
- PHP PHP // https://php.net like HTML

3.

BUILD THINGS

Before front end frameworks...

What about bulkier web frameworks?

Not to be confused with front end frameworks, these provide all sorts of functionality...

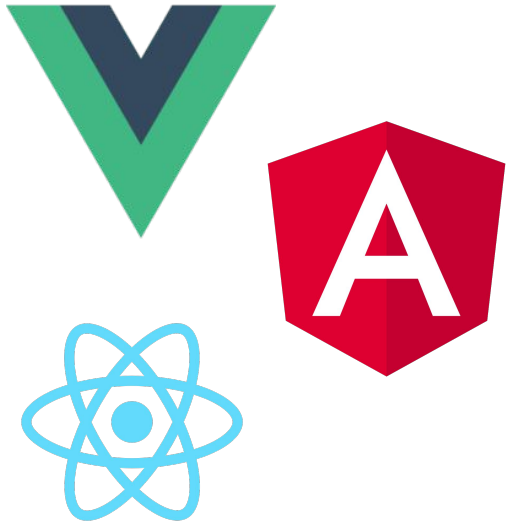
- Sails.JS for JS // https://sailsjs.com/
- Rails for Ruby // http://rubyonrails.org/
- Django for Python // https://djangoproject.com/

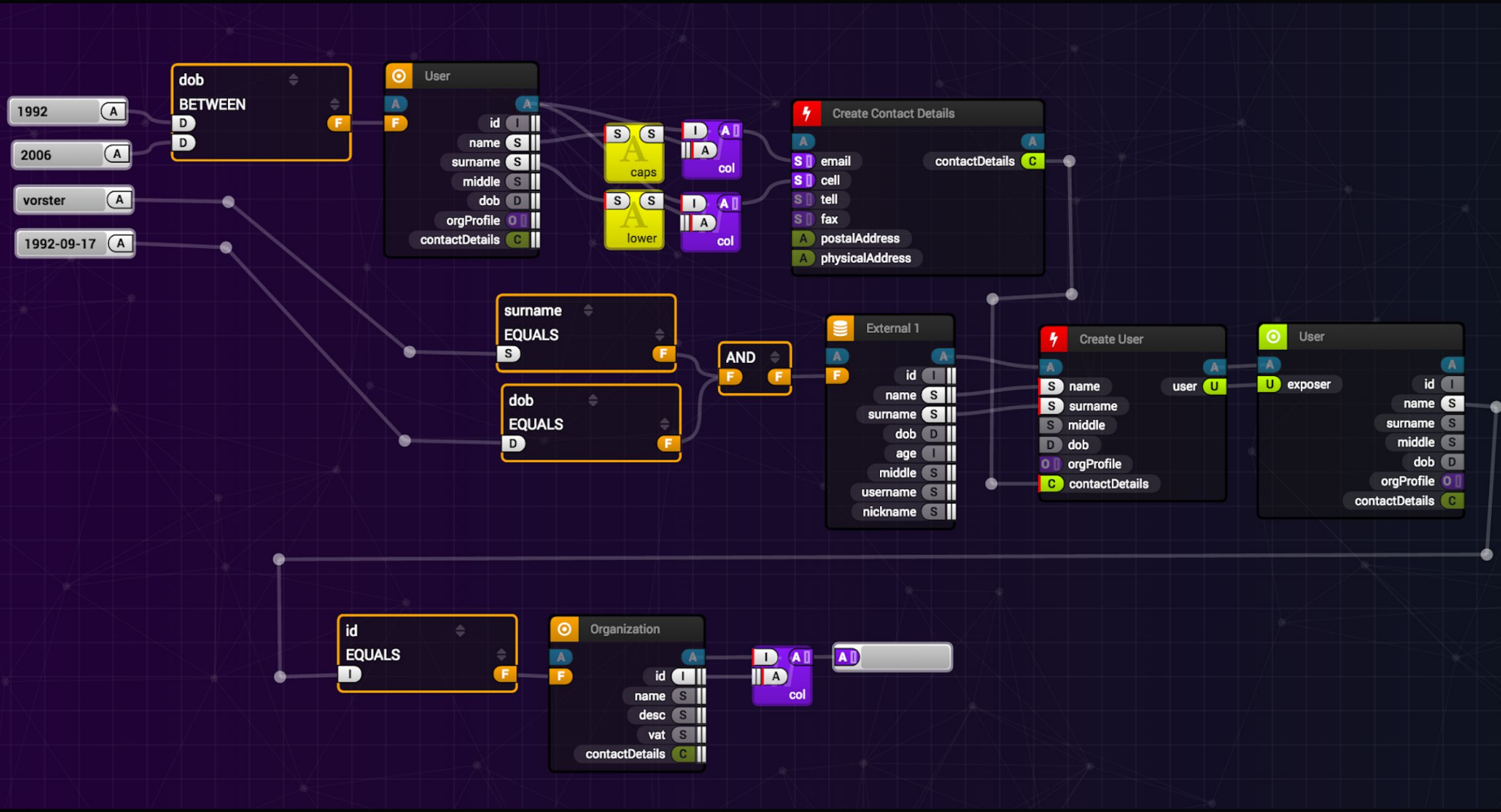
4.

FRONT-END FRAMEWORKS

Front End Frameworks

- The page is seen as a group of components
- Essential for more complex applications

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SlidesCarnival icons are vector shapes.

This means that you can:

- Resize them without losing quality.
- Change fill color and opacity.
- Change line color, width and style.

Isn't that nice? :)

Examples: