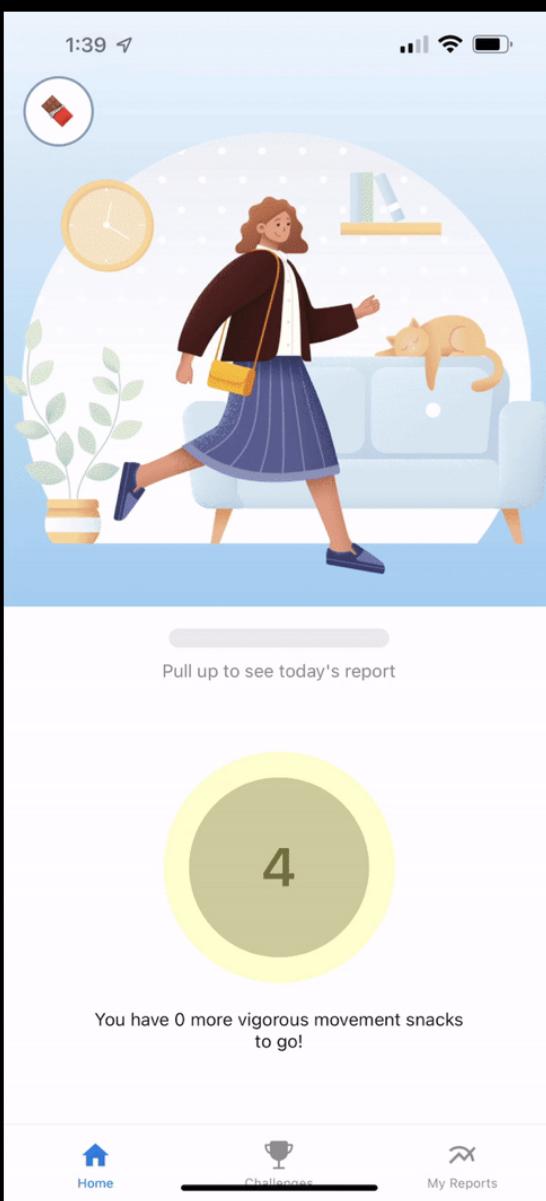


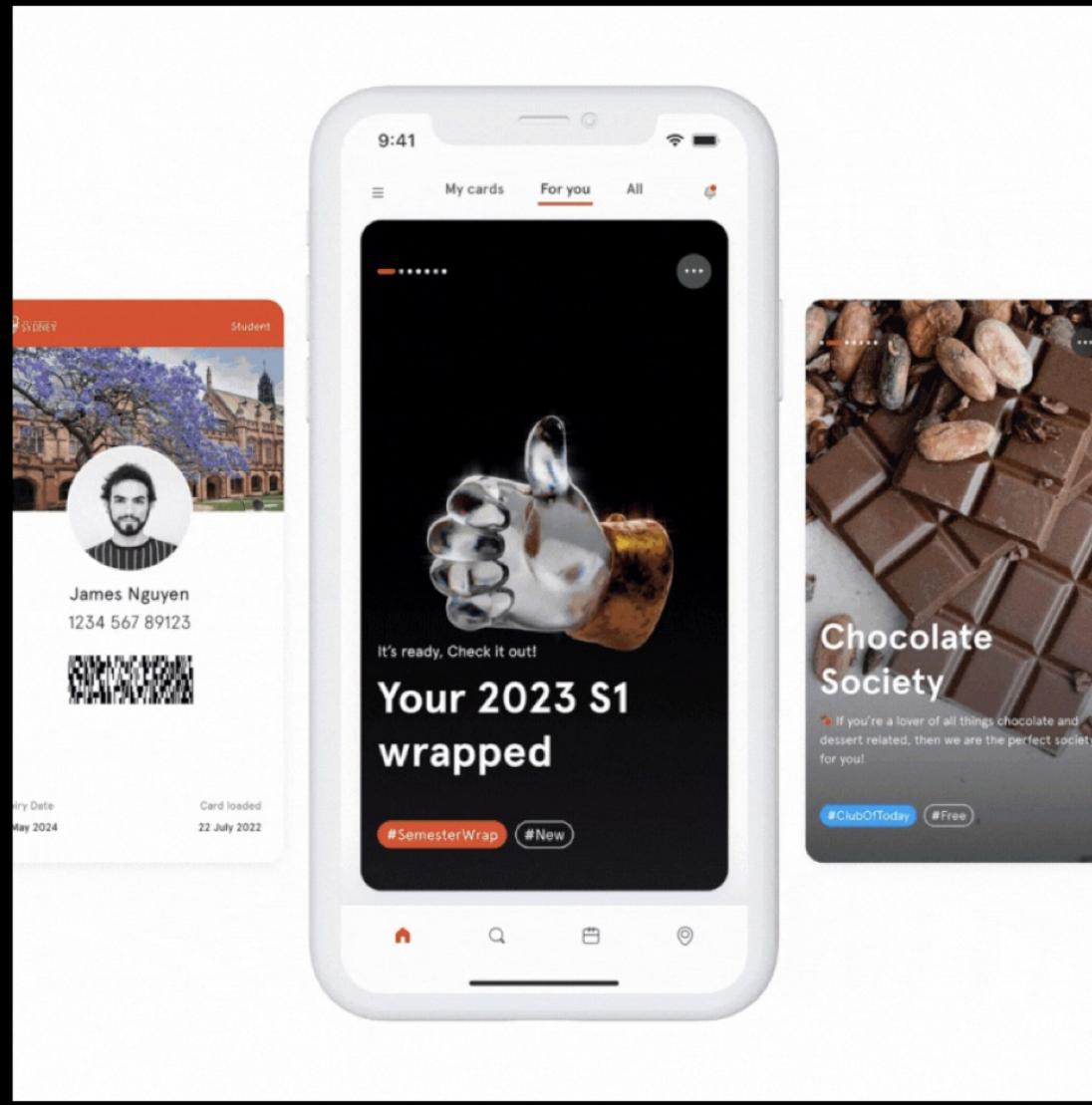
# **Introduction to React Native**

## **Insights from a 23-Year Software Development Career**

**Steve Pascoe**  
[linkedin.com/in/devpascoe](https://www.linkedin.com/in/devpascoe)

**WHO  
WHAT  
WHERE  
WHEN  
WHY  
HOW**





THE UNIVERSITY OF  
SYDNEY**Good evening**[Today](#)[Study](#)[Career](#)[Services](#)[Calendar](#)[What's on](#)[Map](#)

GO TO

[Current Students](#)[Canvas](#)[Library](#)[Email](#)[For you](#)[Saved](#)**PHOTOSOC**

## 👋 Say hello to the new MyUni

We heard MyUni needed a refresh, so we re-imagined it. The new MyUni is still your gateway to many of the most useful applications available to current students, and now, you can access many of them without needing to leave it.

## Sydney University Photographic Society

The Sydney University Photographic Society has flourished into one of the most active on campus, inclusive to all levels of photography enthusiasts from the seasoned professional, the iPhone enthusiast, and everyone in between. The society hosts free lunches for members, workshops and much, much more with great discounts from our sponsors list too!

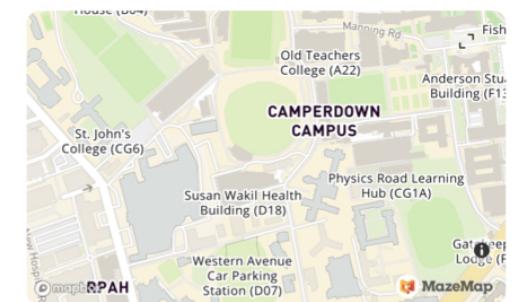
## Student life, wellbeing and support

Find out about the student services, resources and events available to support you while you study.

## Access your mentoring programs

 Services, answer and more...

Steve



## Upcoming

No upcoming events



## Recently used

[Student  
counselling](#)  
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 Search the Library test

Enter values in the Resource List component

[All](#)[0-9](#)[A](#)[B](#)[C](#)[D](#)[E](#)[F](#)[G](#)[H](#)[I](#)[J](#)[K](#)[L](#)[M](#)[N](#)[O](#)[P](#)[Q](#)[R](#)[S](#)[T](#)[U](#)[V](#)[W](#)[X](#)[Y](#)[Z](#)

#### Academic video online

A vast collection including audio & print. It includes every kind of video material available with curricular relevance: documentaries, interviews, performances, ...

[Launch](#)

#### Anthropology plus

A key resource for the fields of social, cultural and linguistic anthropology, ethnology and related disciplines.

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#### Anthropology online

A wide range of written ethnographies, field notes, seminal texts, memoirs, and contemporary studies, covering human behaviour with a focus on outside the ...

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#### Anthrosource

AnthroSource is a service of the American Anthropological Association that offers members and subscribing libraries full-text anthropological resources fro...

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# How it started

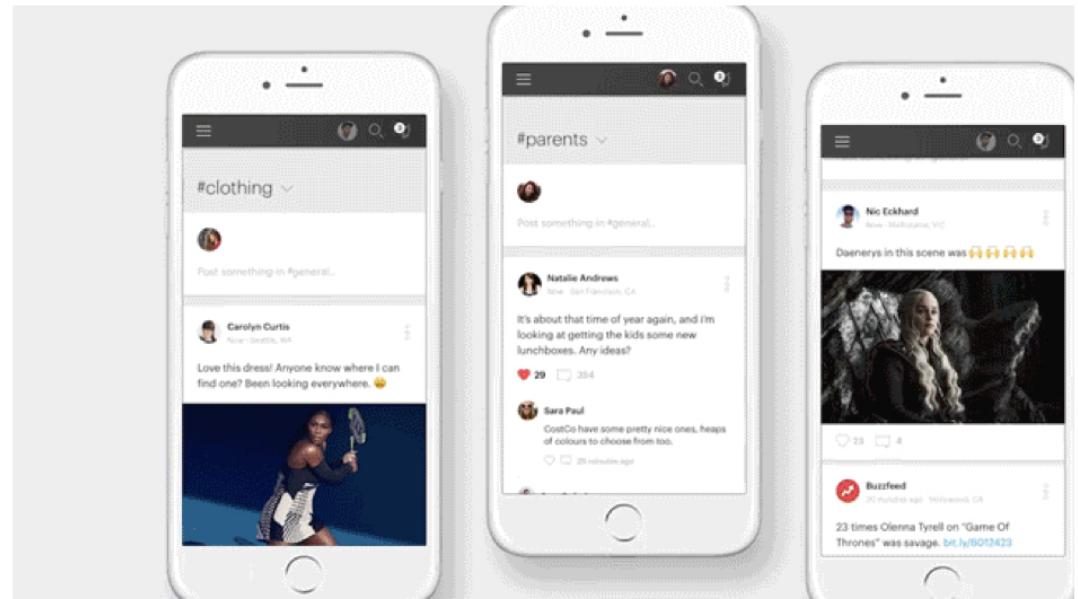
Building ventures // skilled software engineer



# How its going

Building ventures // skilled software engineer

- 23 years experience.



# How its going

Building ventures // skilled software engineer

- 23 years experience.
- Startups, agencies, enterprise.



# How its going

Building ventures // skilled software engineer

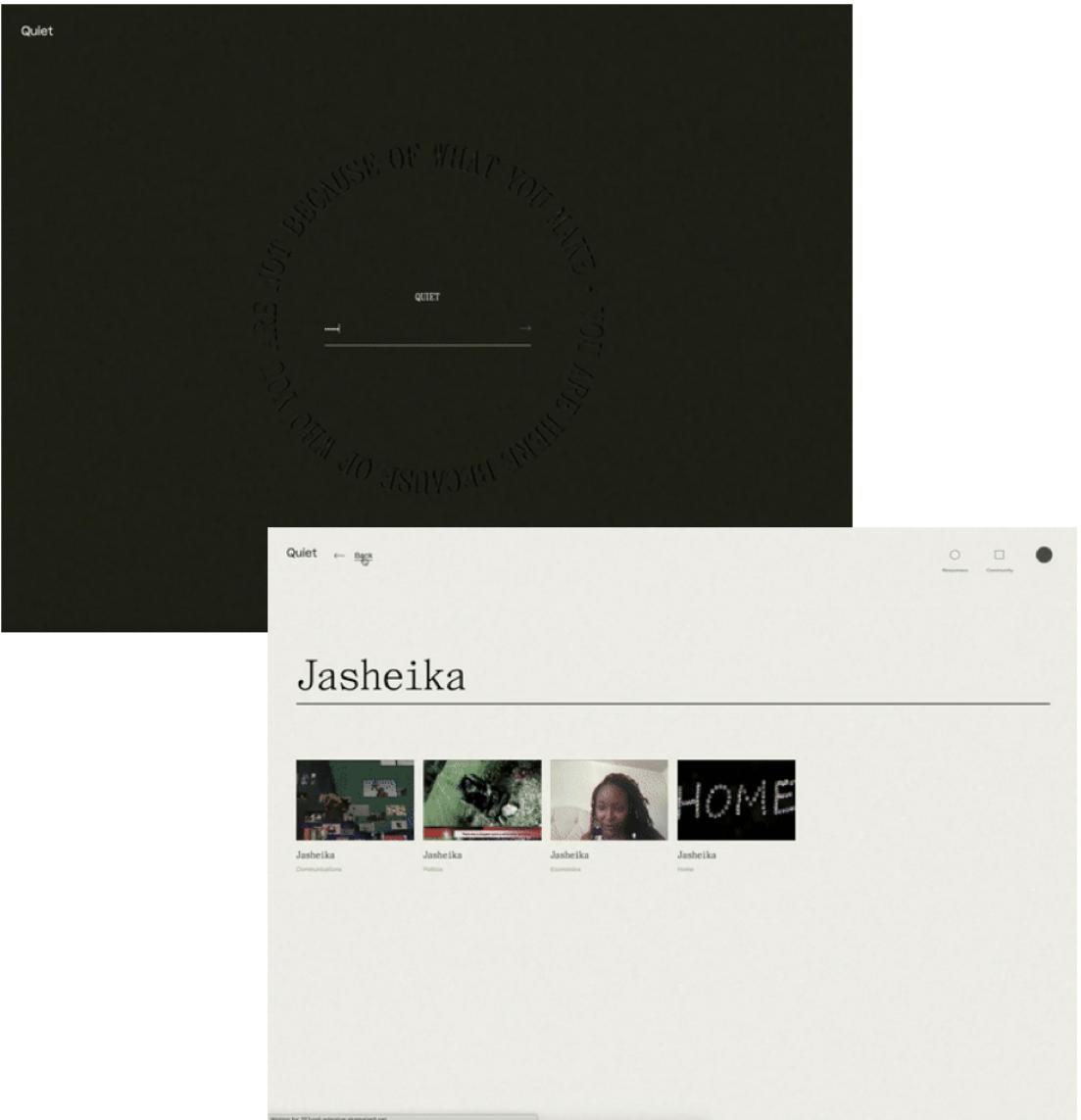
- 23 years experience.
- Startups, agencies, enterprise.
- Music, health, sport, environment, community, education, entertainment, IoT...



# How its going

Building ventures // skilled software engineer

- 23 years experience.
- Startups, agencies, enterprise.
- Music, health, sport, environment, community, education, entertainment, IoT...
- Whats next?



# **We'll be looking at...**

## **WHO, WHAT, WHERE, WHEN, WHY, HOW**

- Tour of a “fake” real world early stage React Native mobile app project.
- Essential core concepts and components.
- Why learn any of this?
- How I’d learn today if I had to start over.

# **Hopefully...**

## **WHO, WHAT, WHERE, WHEN, WHY, HOW**

- Encourage you to push beyond “Hello World!”

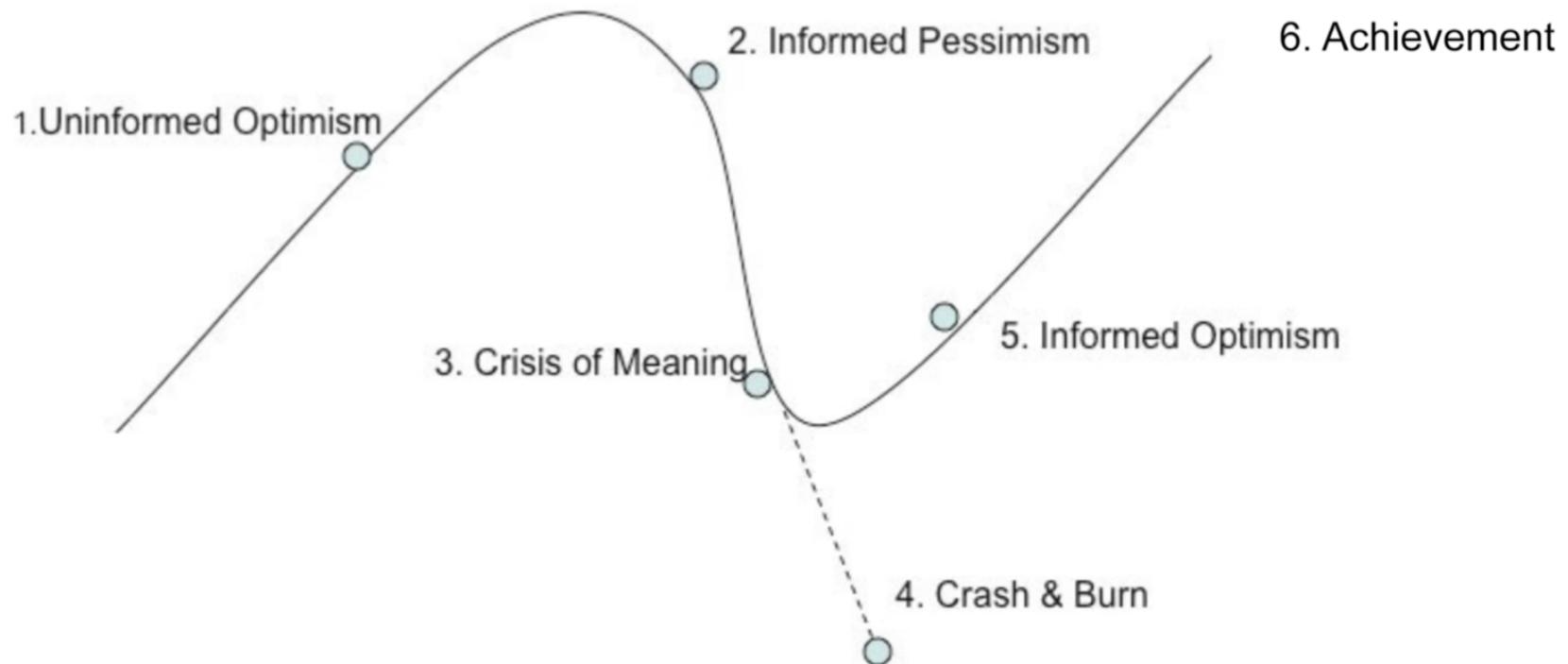
# **Hopefully...**

## **WHO, WHAT, WHERE, WHEN, WHY, HOW**

- Encourage you to push beyond “Hello World!”
- Be brave enough to create a terrible version 1.0 app.

# **Hopefully...**

## **WHO, WHAT, WHERE, WHEN, WHY, HOW**



**WHO  
WHAT  
WHERE  
WHEN  
WHY  
HOW**

**What do I have to know?**



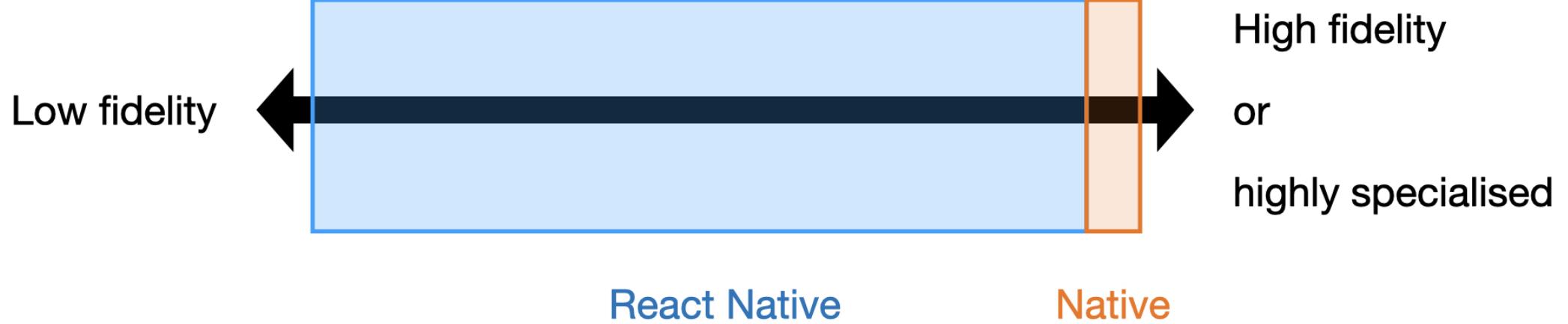
“WD40, vice grips, duct tape”

“you can do half the household chores with just these three things, anything else you need you just borrow it”



**<Pressable />**  
**<Text />**  
**<TextInput />**

# **React & React Native**



```
function Title(props) {
  return <Text>{props.text}</Text>;
}

return (
  <View>
    <Logo icon="" />
    <Title text="Hello world!" />
    <RoundedButton onPress={() => saveAction()} />
  </View>
);
```

```
function Example() {
  const [count, setCount] = useState(0);

  return (
    <View>
      <Text>Current count is: {count}</Text>
      <Pressable onPress={() => setCount(count + 1)}>
        <Text>Click Me</Text>
      </Pressable>
    </View>
  );
}
```

**Show me more**

# Demo - The Feels app



# Demo - Summary

- Components and properties.
- useState to have the app remember things.

```
function Example() {
  const [count, setCount] = useState(0);

  return (
    <View>
      <Text>Current count is: {count}</Text>
      <Pressable onPress={() => setCount(count + 1)}>
        <Text>Click Me</Text>
      </Pressable>
    </View>
  );
}
```

# Demo - Summary

- Components and properties.
- useState to have the app remember things.
- Local storage to have the app save and retrieve things.

```
const [name, setName] = useState('');

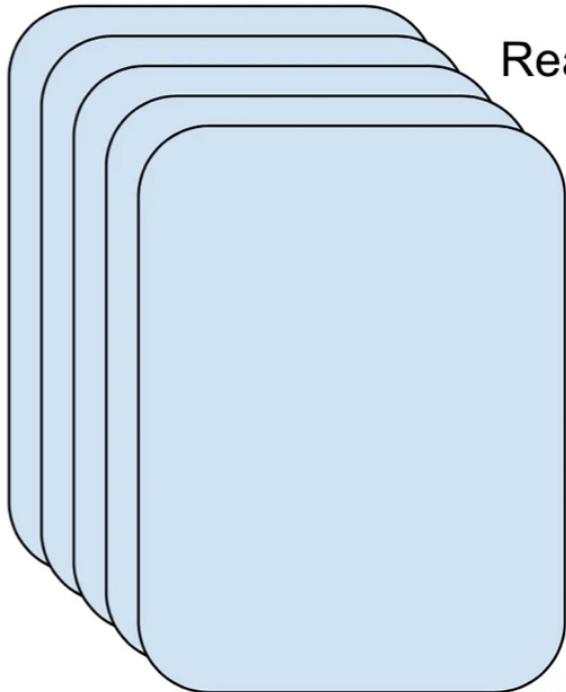
useEffect(() => {
  if (name) {
    AsyncStorage.setItem('name', name);
  } else {
    AsyncStorage.getItem('name').then(value => {
      setName(value);
    });
  }
}, [name]);
```

# Demo - Summary

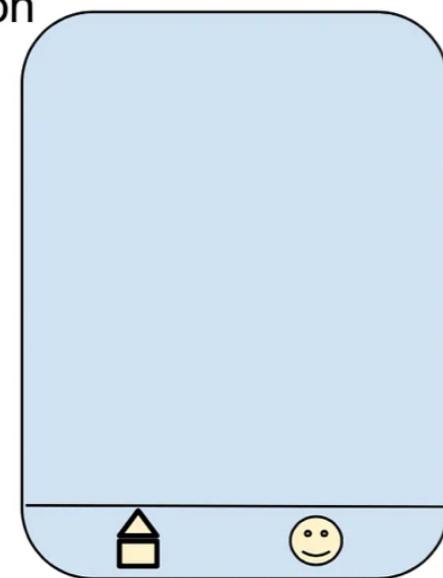
- Components and properties.
- useState to have the app remember things.
- Local storage to have the app save and retrieve things.
- Use of Javascript's "Fetch" API to send and receive data.

```
export const getFeed = async () => {
  const res = await fetch(` ${apiHost}/api/feed`);
  const data = await res.json();
  return data;
};
```

# Demo - Summary



Stack-Navigation



Tab-Navigation

# Demo - Summary

NEXT.js

▲ Vercel

WHO  
WHAT  
**WHERE**  
WHEN  
WHY  
HOW

WHO  
WHAT  
WHERE  
**WHEN**  
WHY  
HOW

```
<Pressable />
  <Text />
<TextInput />
```

WHO  
WHAT  
WHERE  
WHEN  
**WHY**  
HOW

**Curiosity  
Exciting  
Creative Problem Solving**

**WHO  
WHAT  
WHERE  
WHEN  
WHY  
*HOW***

# How i'd learn today

- Foundations of a CS degree.
- YouTube, StackOverflow.com and ChatGPT
- Steal, sincerest form of flattery
- The Hour Of Power
- Have a problem to solve
- Learn on the job
- Learn by doing 💪

[github.com/devpascoe/feelsapp](https://github.com/devpascoe/feelsapp)

[github.com/devpascoe/feelsweb](https://github.com/devpascoe/feelsweb)

**Steve Pascoe**

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