CS196

Web HackerSpace

# Things we've covered

### Frontend: React

### Backend: Express

# How to style?

- **Styled Components**

- **Bootstrap**

# How do I build more complex applications?

- **Redux**
  - **State management system**
  - **Action and reducer**

- **Webpack**

# Can I add types?

- **Typescript**
- **Flow**

# Can I add compile my javascript?

- **Babel**

# What else can I use for my backend?

**REST APIs**
- Flask (python)
- Express, Hapi, Koa, http (javascript)

# GraphQL

- **Complex APIs are hard to scale**
  - Sending too much information
  - Too many routes

- **More efficient way of querying and mutating information**

# Examples of rest vs graphql

**https://swapi.co/**

**https://graphiql.graphcms.com/simple/v1/swapi**

# Deployment

## Heroku

## Digital Ocean

## Now

# Zeit Demo

## Static

## Npm

## Lambda