

REACT.JS

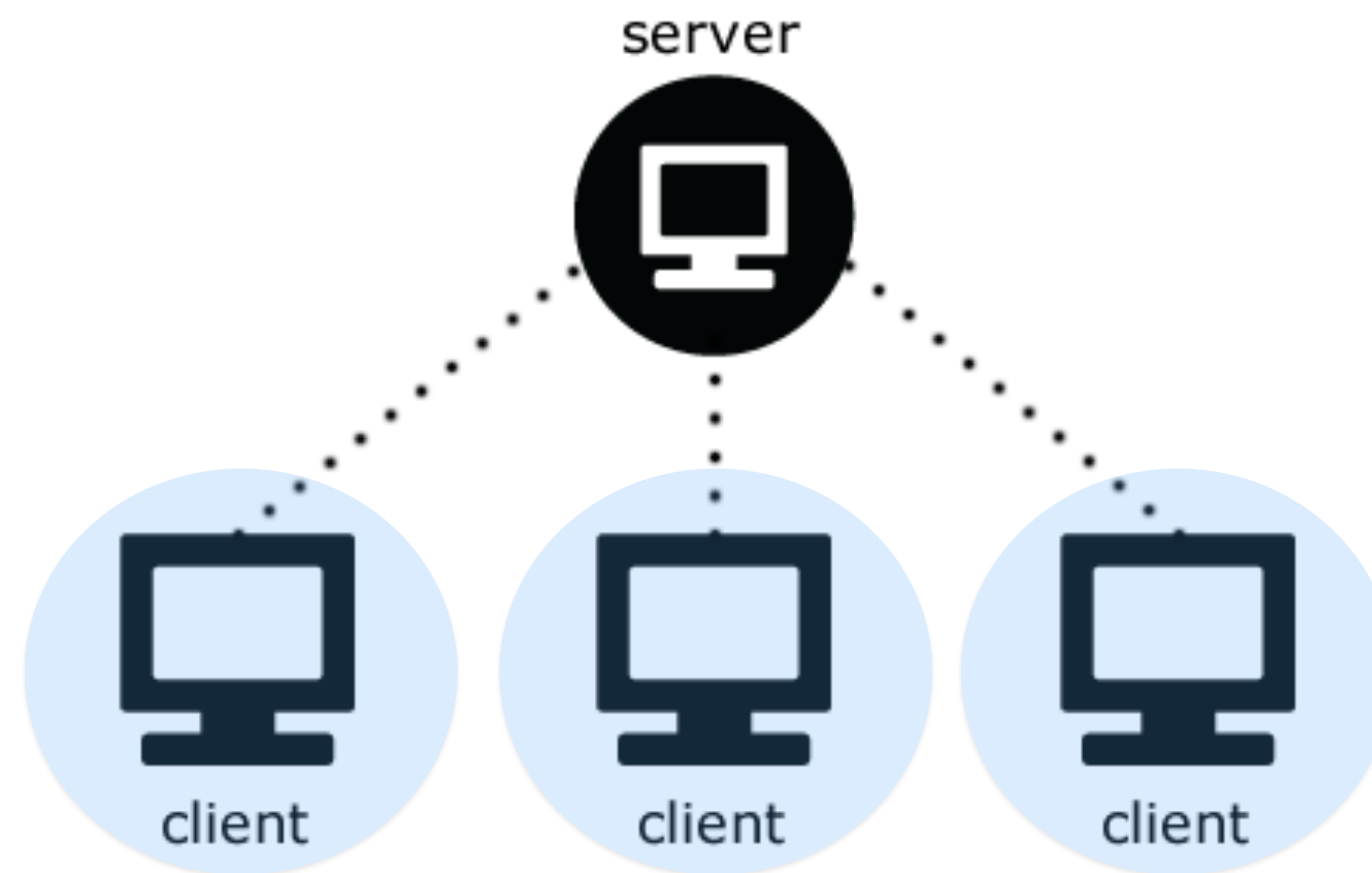
A JavaScript library for building user interfaces

THE INTERNET IS A SERIES OF APPLICATIONS

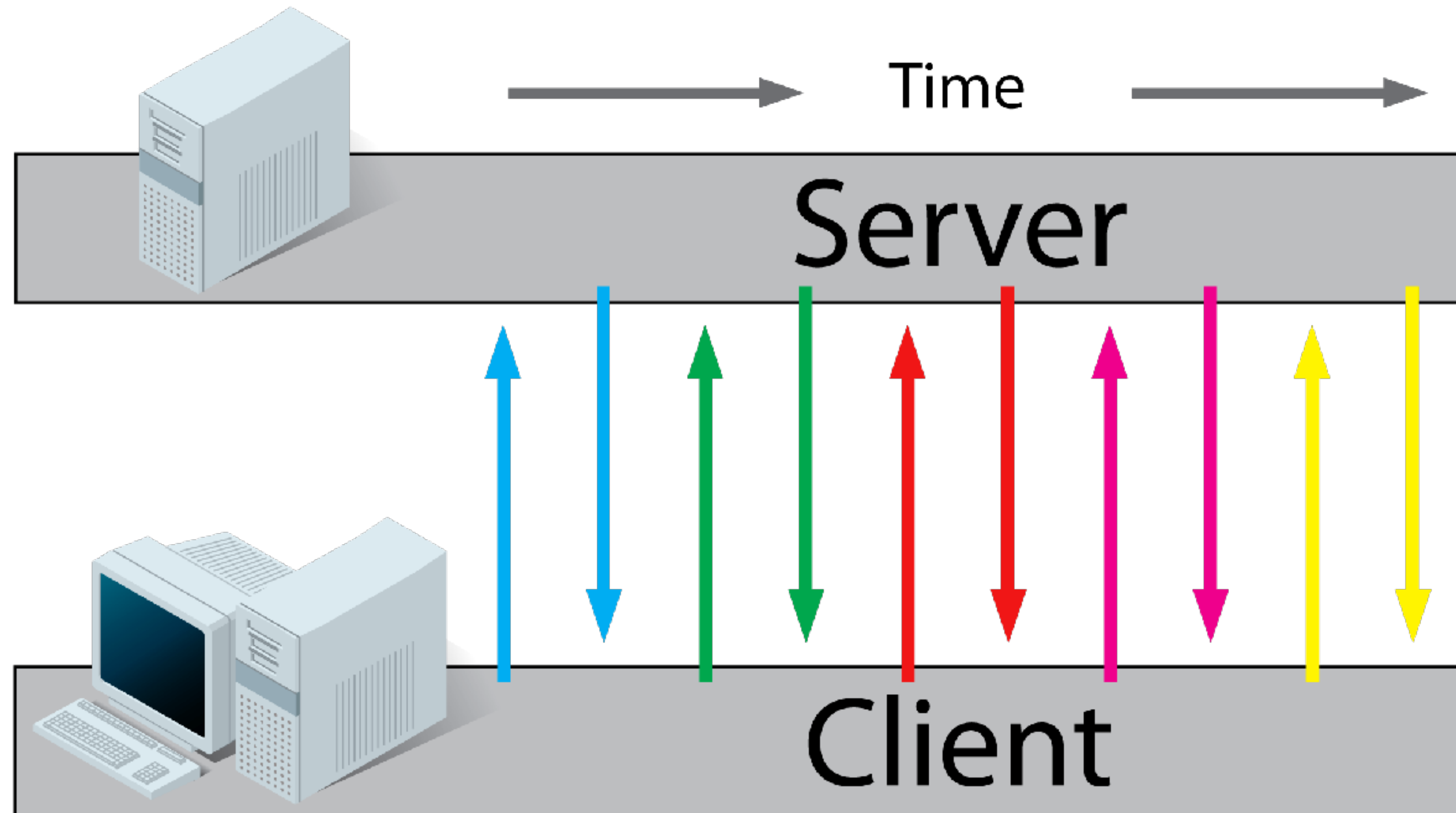
- **True interactive applications like Gmail and Google Maps arrive.**
- **Applications do not refresh; facilitate tons of user events**
- **The browser becomes a maturing application platform.**
- **“Software”**

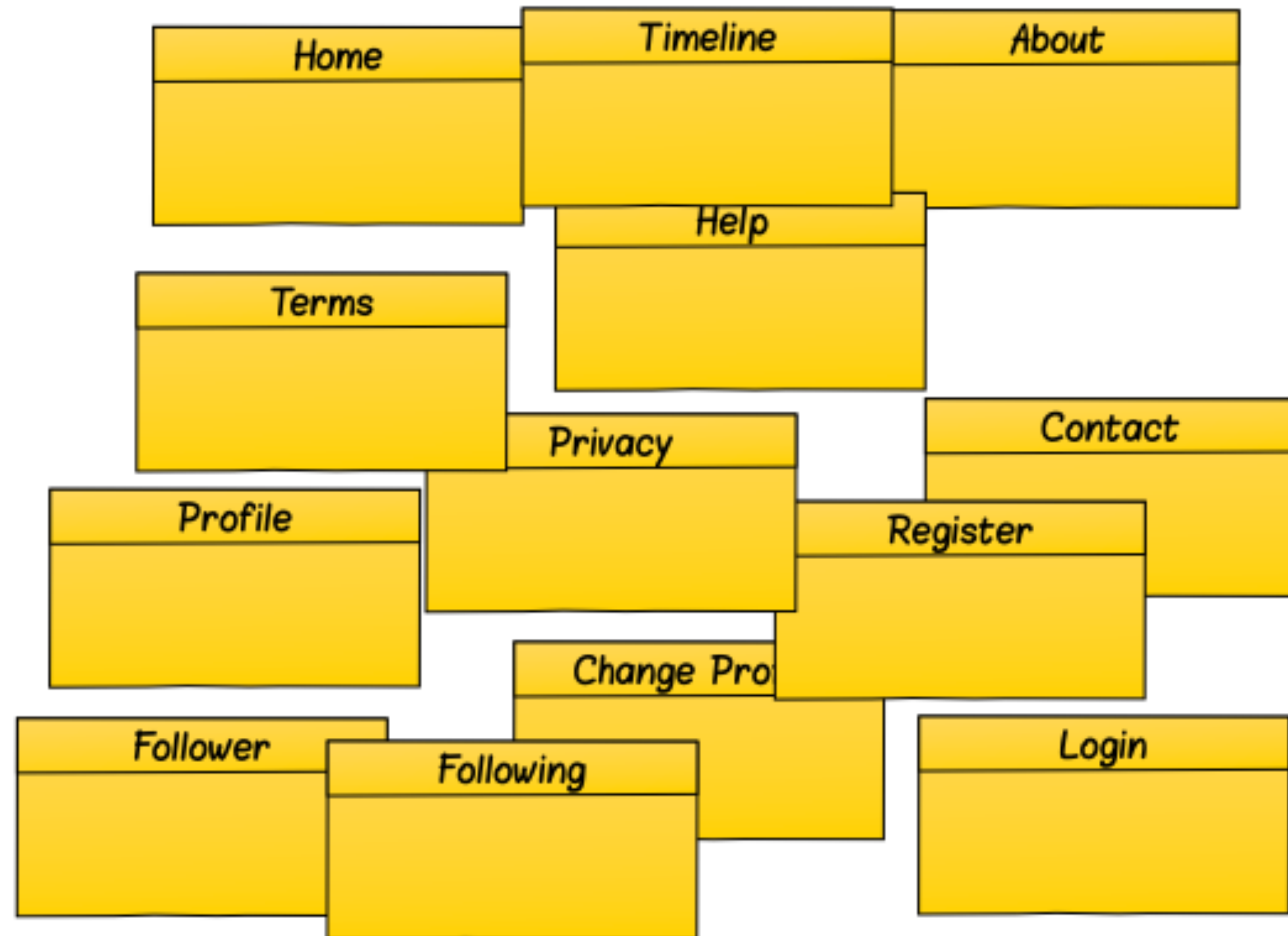
DRIVEN BY JAVASCRIPT

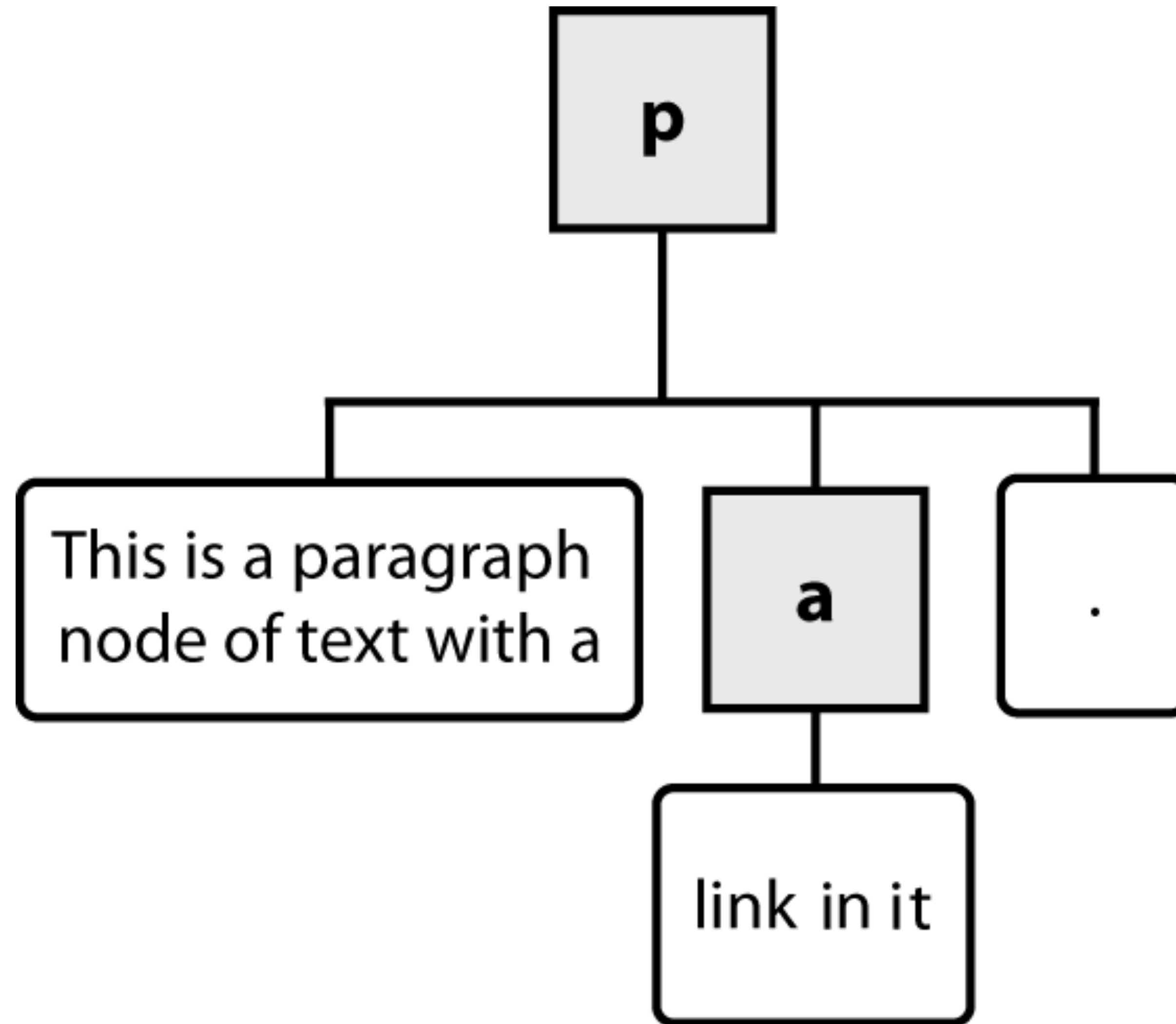
The little language that could

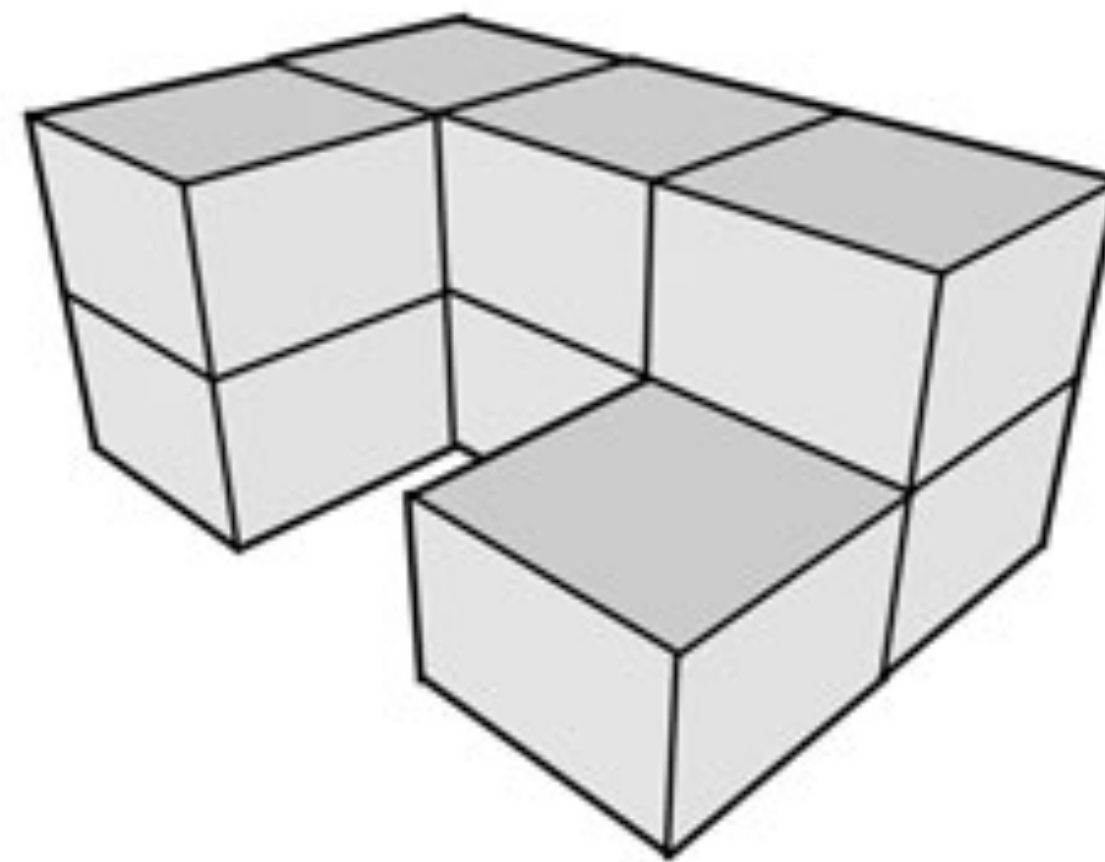
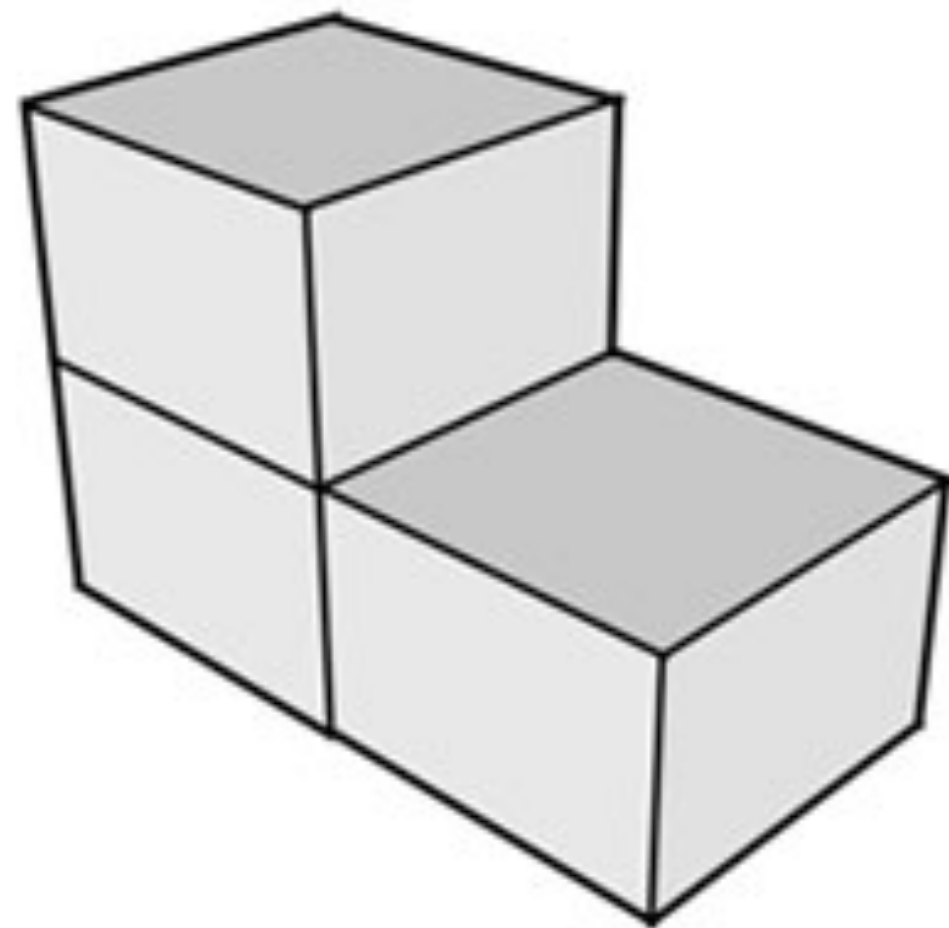
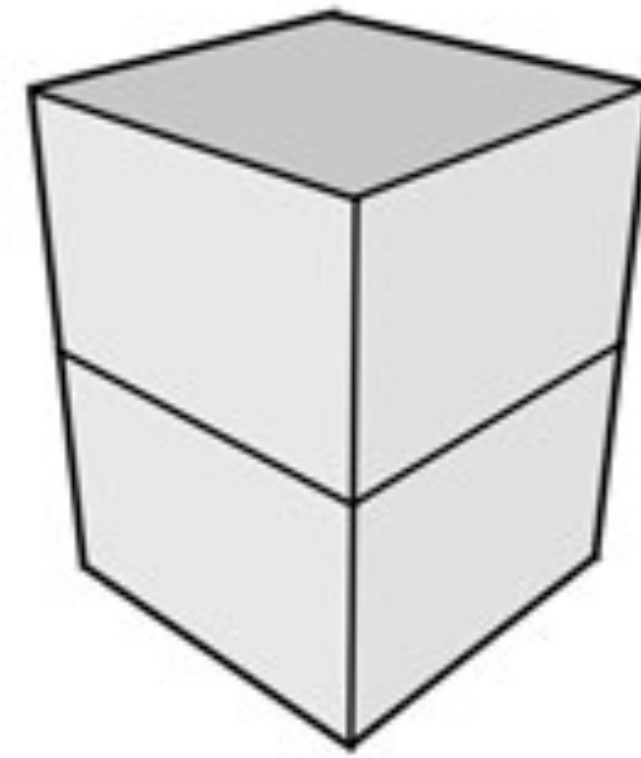
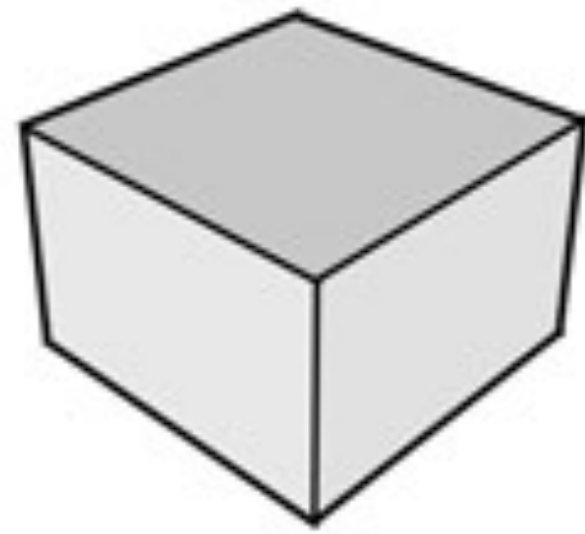


CHALLENGES OF BUILDING A FRONT-END APPLICATION









*“Let’s put the day’s
hotels on the DOM node”*

Cowboy Coder, 2010



SERIOUS SOFTWARE IS SERIOUS

- **Must be easily understood.**
- **Must be easily maintained.**
- **Must scale.**
- **Must work.**



BACKBONE.JS



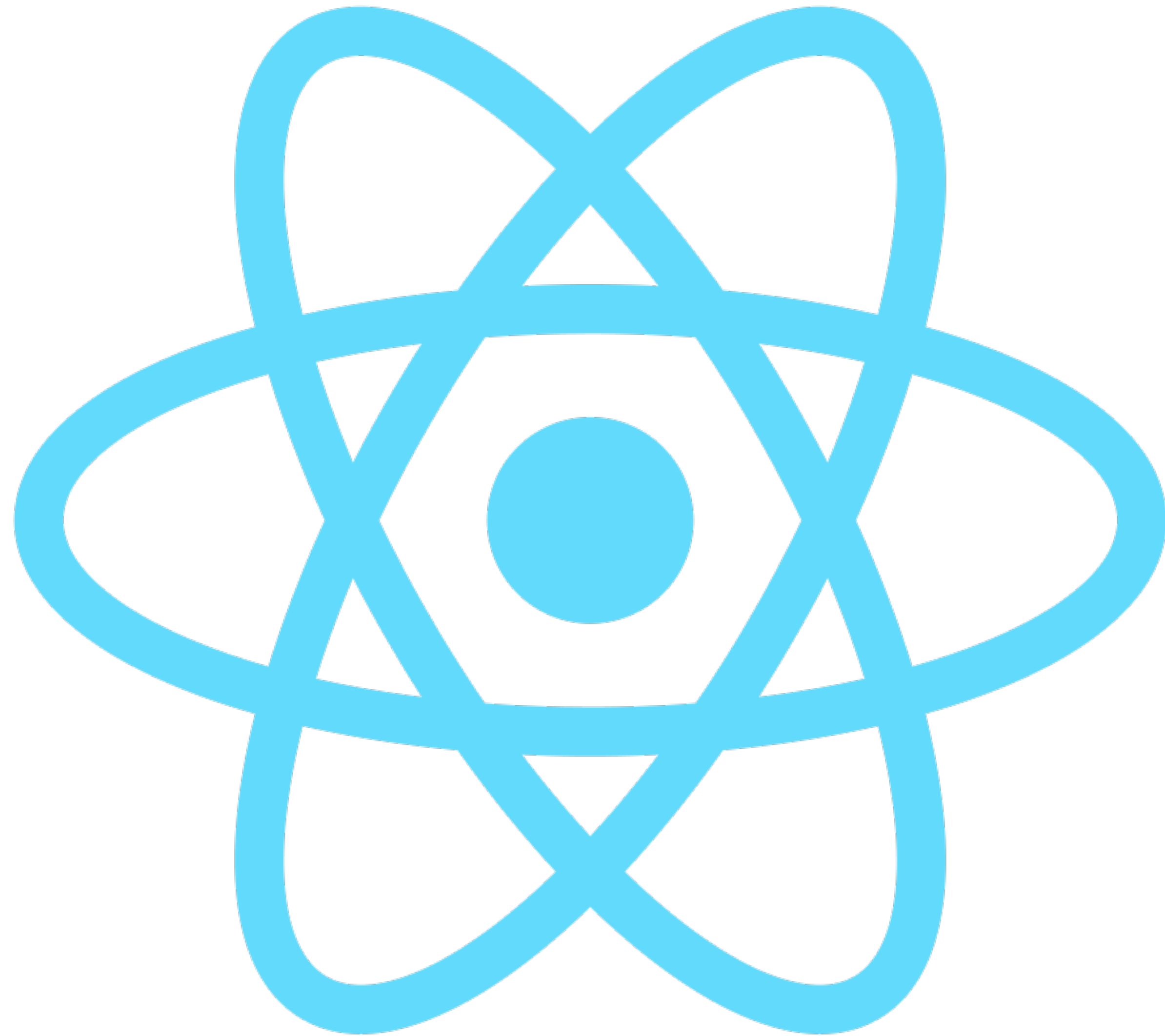
APPLICATION FRAMEWORK

- **Provides generic functionality and environment.**
- **Establishes reusable patterns and architecture.**
- **Allows focus on product-specific code.**
- **Suggests solutions to platform's major problems.**

**SO EVERYTHING IS OKAY
FOREVER, RIGHT?**

NOPE!

- **Problems we face**
 - Portability & reusability
 - Performance
 - Managing state and asynchronicity



REACT

- **Primary concern is the “view” part of the application**
- **Unidirectional flow of data**
- **Minimize DOM manipulation by rendering to a Virtual DOM before rendering to the Real DOM**



GETTING STARTED WITH REACT

