Rails Can Can Can React

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Who is this guy?

- "He knows what he is talking about." - Anonymous at Bitmaker Labs.
- Front End Developer at vConsult.me.





Rails and React

- Rails can be the Model and Controller.
- React is a library built by Facebook and acts as the View layer for our application.



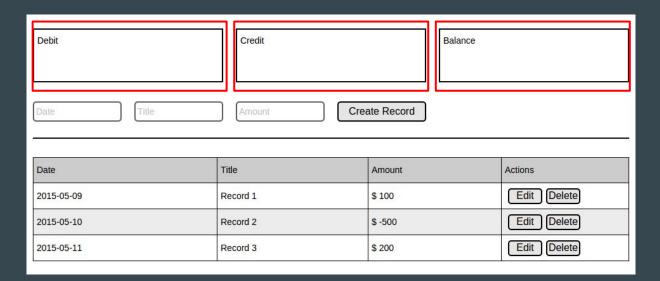
Why is React so cool?

- Everything in React is a COMPONENT.
- Fast performance because of a virtual DOM.
- Manage UI with data that changes over time.

- Reusable, composable, maintainable and testable UI elements.
- In React, components are JS functions that can receive properties, maintain state and render.

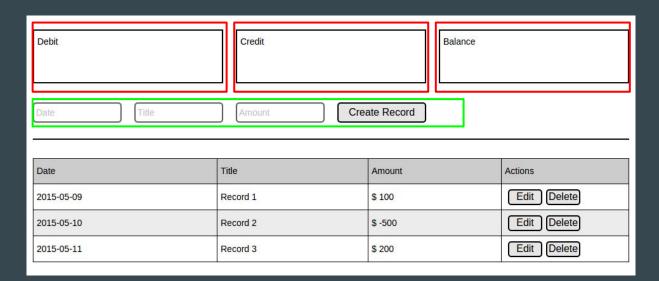
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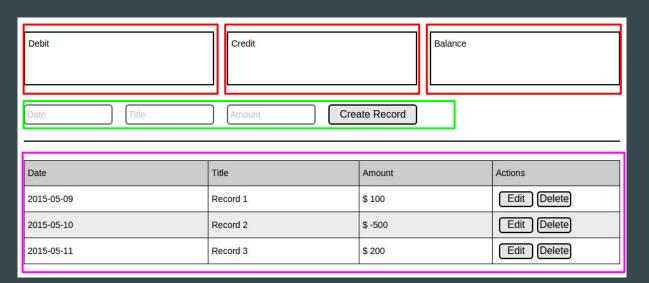
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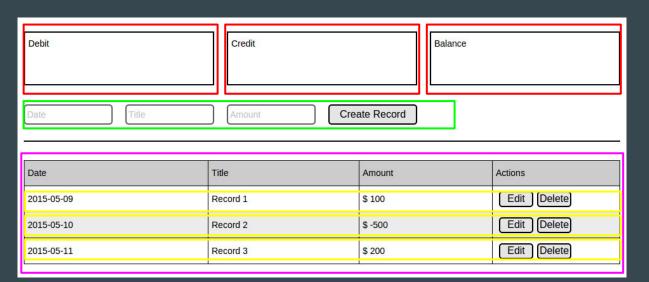


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Virtual DOM

- Javascript representation of the DOM nodes which is separate from the actual DOM.
- A new virtual DOM is created and diffed against the old virtual DOM.
- Produces a minimum set of changes to be performed on the real DOM.

Are you telling me....



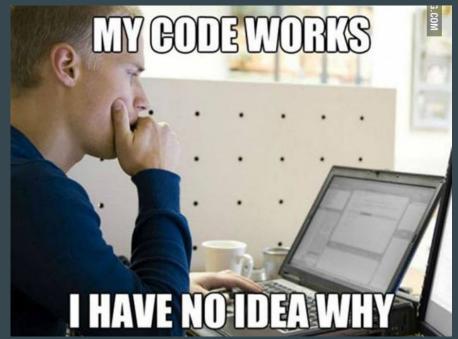
Managing State

- A parent component manages the state of the application, it is mutable.
- Children components receive that state as PROPS but these are immutable.

Rails and React

- The rails-react gem allows us to use React with Rails.
- The gem gives us a react_component helper method for views which acts like a partial.
- A better method would be to use Webpack, Babel and Redux which would also allow access to the NPM ecosystem.





Happy Coding

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- If you need to callback me, don't, I promise the issue will resolve itself.
- Javascript book by someone named Douglas
 Crockford. It has some Good Parts.