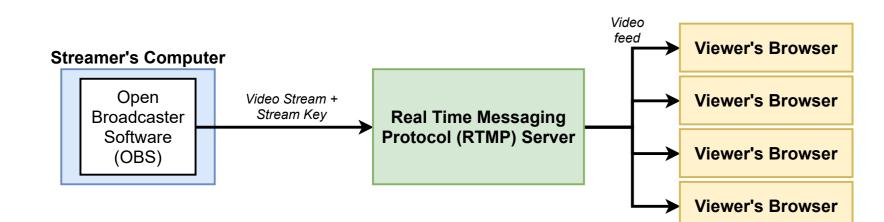
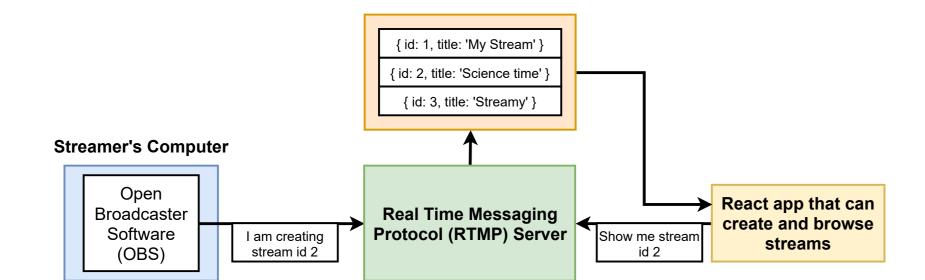
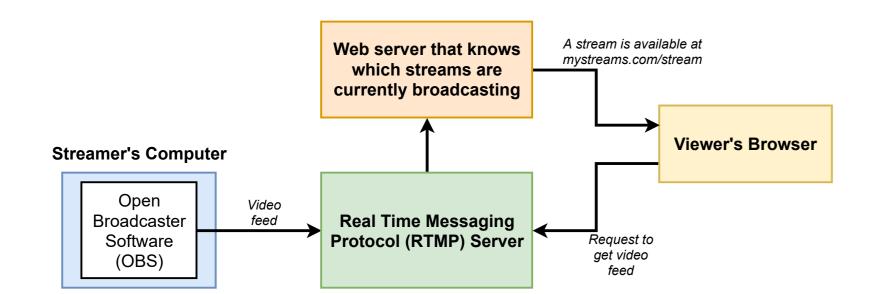
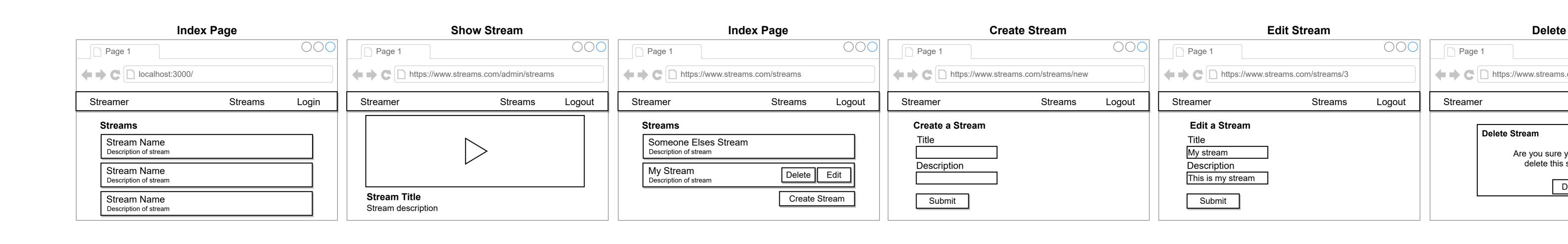
This app is going to *look* really complicated, but at its core it is going to be straightforward to build

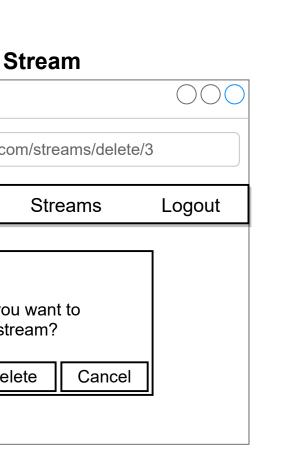
Our focus is going to be on React/Redux, not any complicated backend pieces











With Twitch

Every user has one stream/channel they can stream to Every user can create unlimited channels/streams that they can stream to

Our App

User is **not** logged in

User can view a list of all streams/channels

User can view video for a single stream

User **is** logged in =

User can **edit** a stream/channel they have created

User can create a new stream/channel

User can **delete** a stream/channel

they have created

App Challenges

Need to be able to navigate around to separate pages in our app

Need to allow a user to login/logout

Need to handle forms in Redux

Need to master CRUD (Create Read Update Destroy) operations in React/Redux

Errors will likely occur! Need good error handling

react-router

react-router-dom

react-router-native

react-router-redux

Core navigation lib - we don't install this manually

Navigation for dom-based apps (we want this!)

Navigation for react-native apps

Bindings between Redux and React Router (not necessary)

App loads up

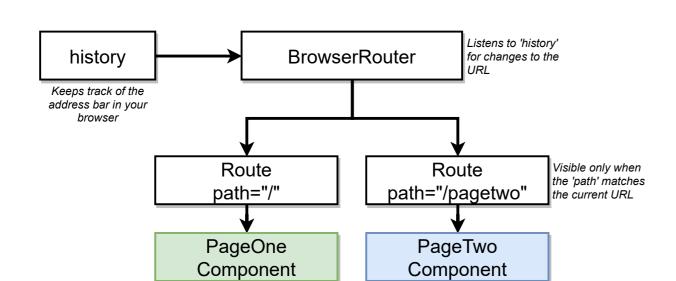
BrowserRouter component created

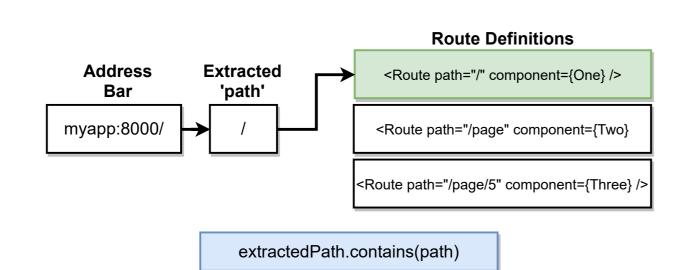
BrowserRouter looks at url

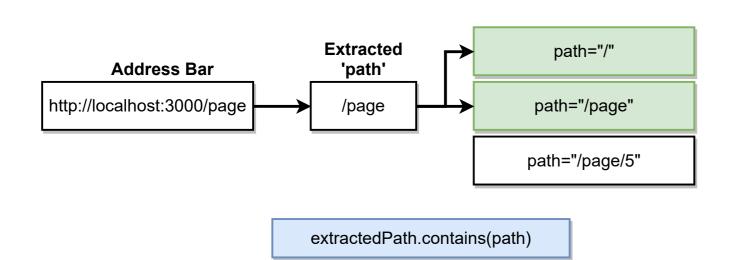
BrowserRouter communicates the URL down to all Route components

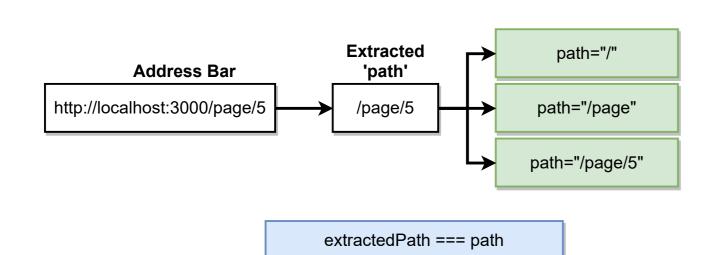
Each Route decides to show or hide itself based on the URL

Full URL	Part that RR cares about
localhost:3000	1
localhost:3000/pageone	/pageone
localhost:3000/posts/5	/posts/5
localhost:3000/tweets/new	/tweets/new
twitter.com/tweets/new	/tweets/new
airbnb.com/listings/spain	/listings/spain
google.com/search	/search









Bad Navigation

You add an <a /> tag to your application with href='/pagetwo' and click it Your browser makes a request to localhost:3000/pagetwo

Development server responds with index.html file Browser receives index.html file, dumps old HTML file it was showing (including all of your React/Redux state data!)

index.html file lists our JS files in script tags - browser downloads and executes these scripts

Our app starts up

What We Want

Triat Wo Wallt
User wants to navigate to another page in our app
User clicks a 'Link' tag
React Router prevents the browser from navigating to the new page and fetching new index.html file!
URL still changes
'History' sees updated URL, takes URL and sends it to BrowserRouter
BrowserRouter communicates the URL to Route components
new index.html file! URL still changes

Route components rerender to show new set of components

