

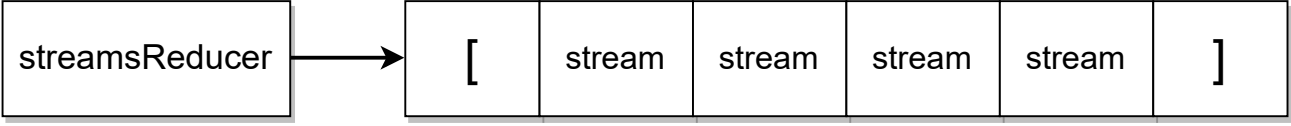
npmjs.com/package/json-server

REST Conventions

Standardized system
for designing APIs

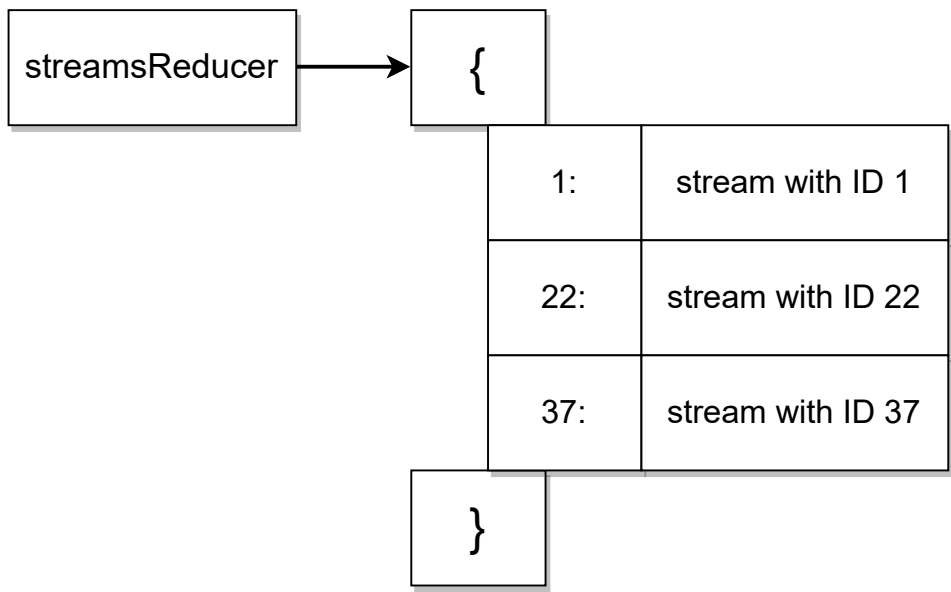
Action	Method	Route
List all records	GET	/streams
Get one particular record	GET	/streams/id
Create record	POST	/streams
Update a record	PUT	/streams/id
Delete a record	DELETE	/streams/id

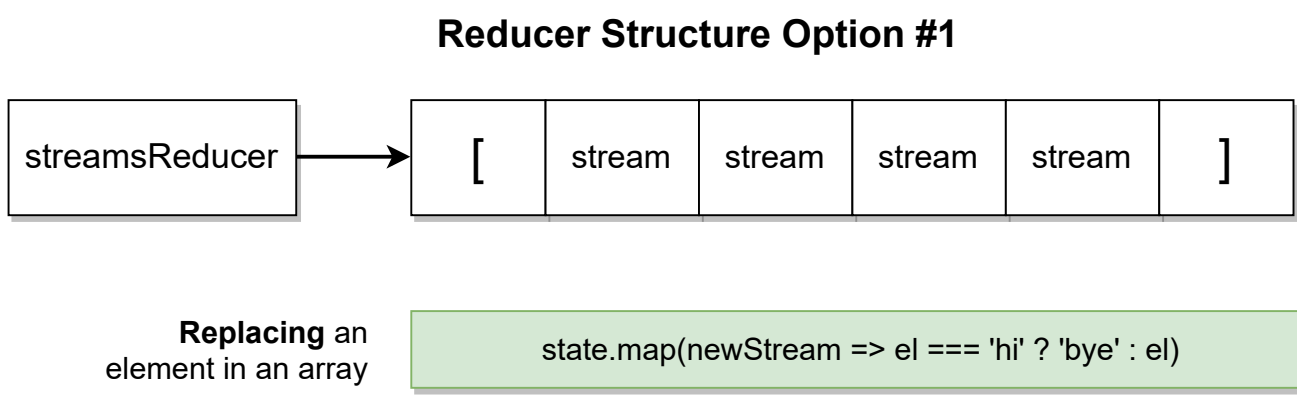
Reducer Structure Option #1



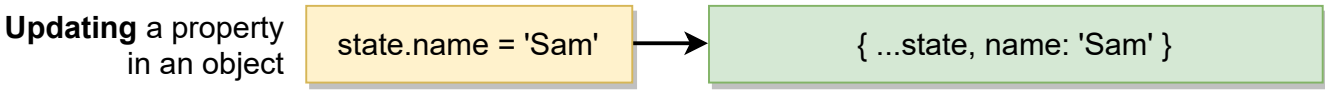
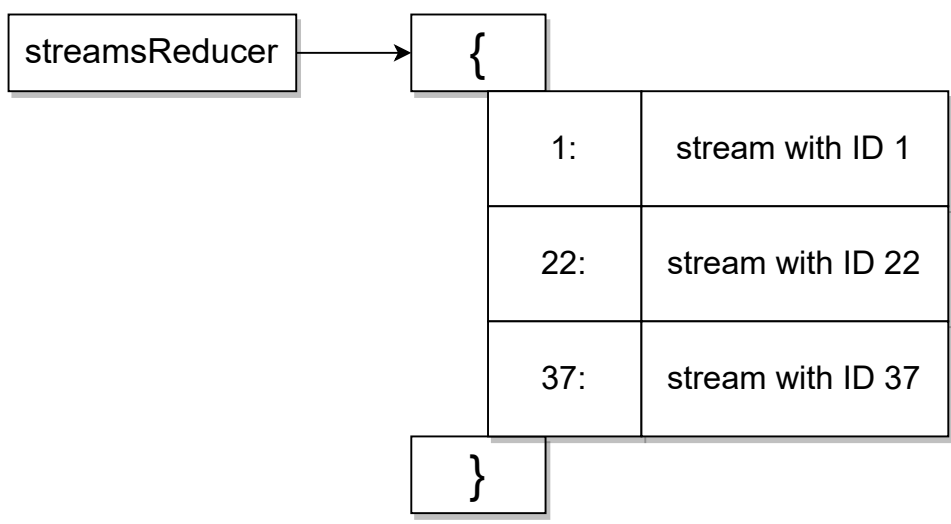
{		
	id:	1
	title:	'My Stream'
	description:	'My Stream'
	userid	38529385285
}		

Reducer Structure Option #2

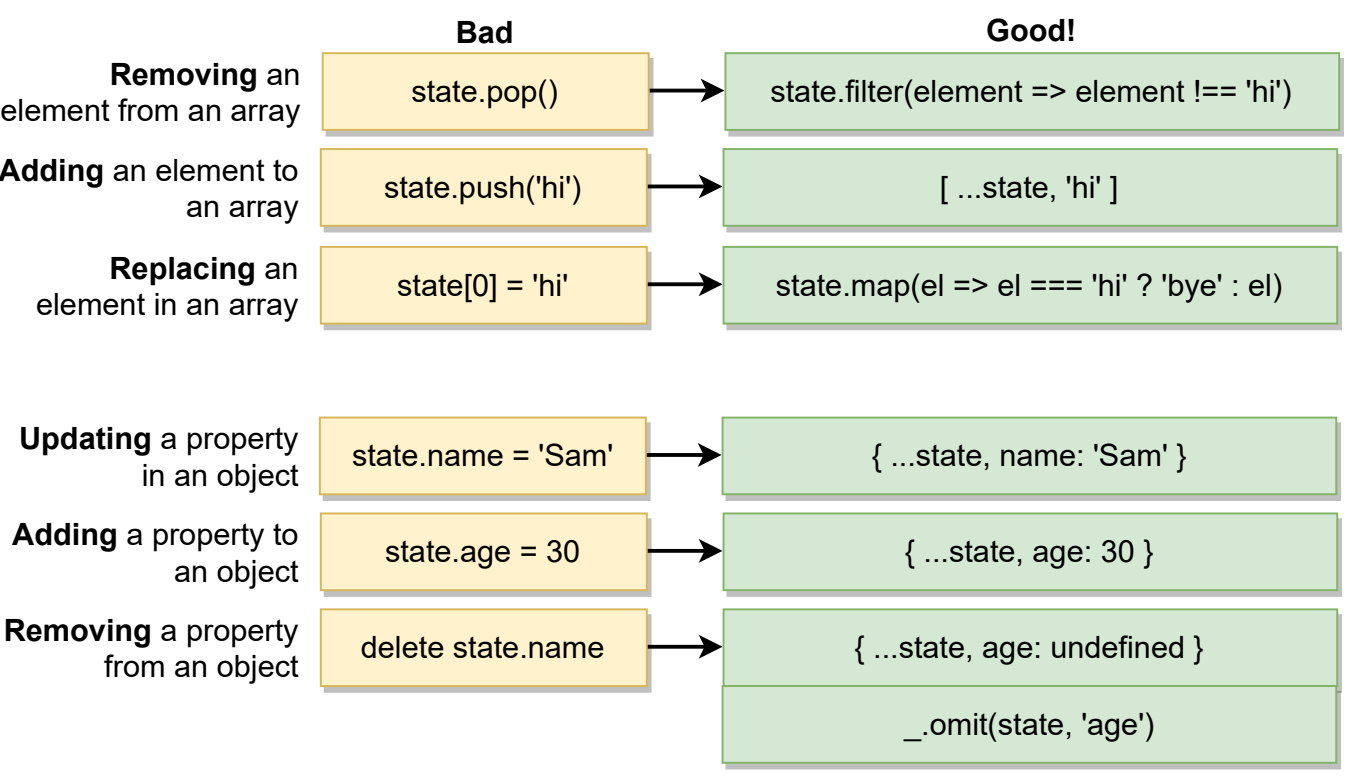


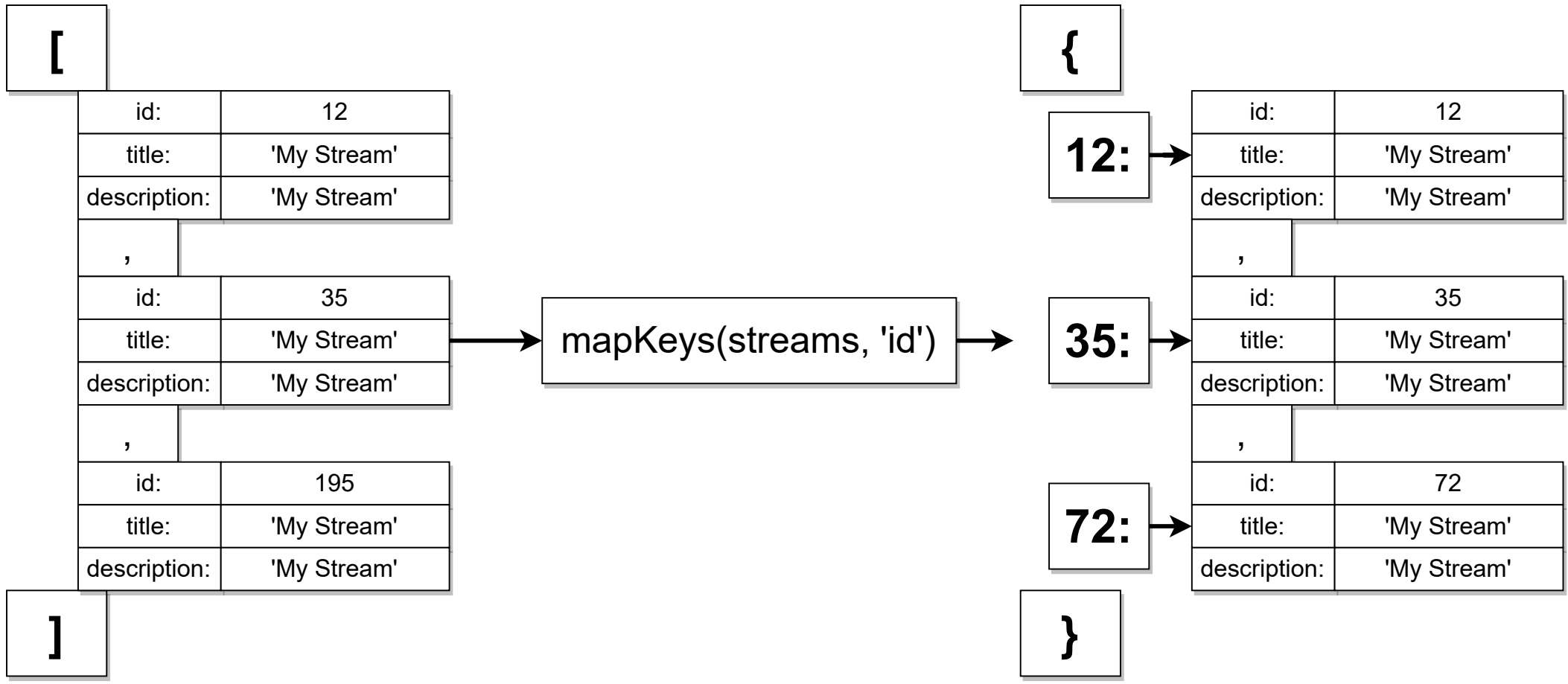


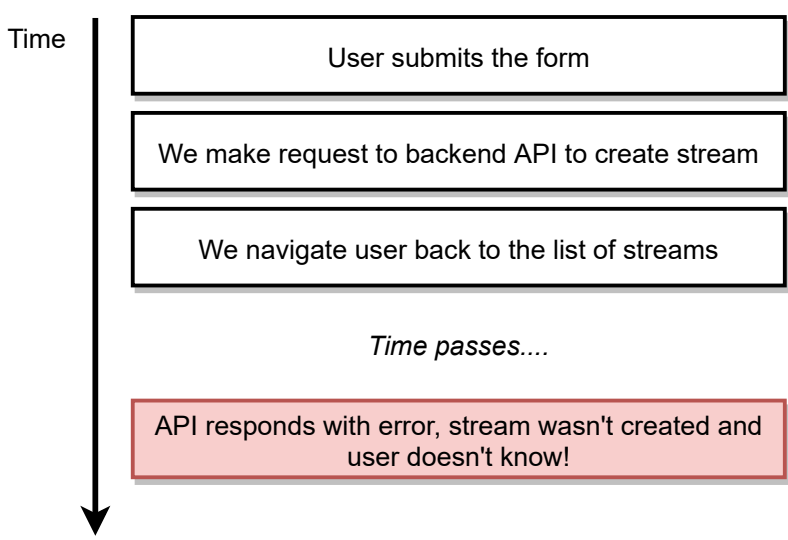
Reducer Structure Option #2

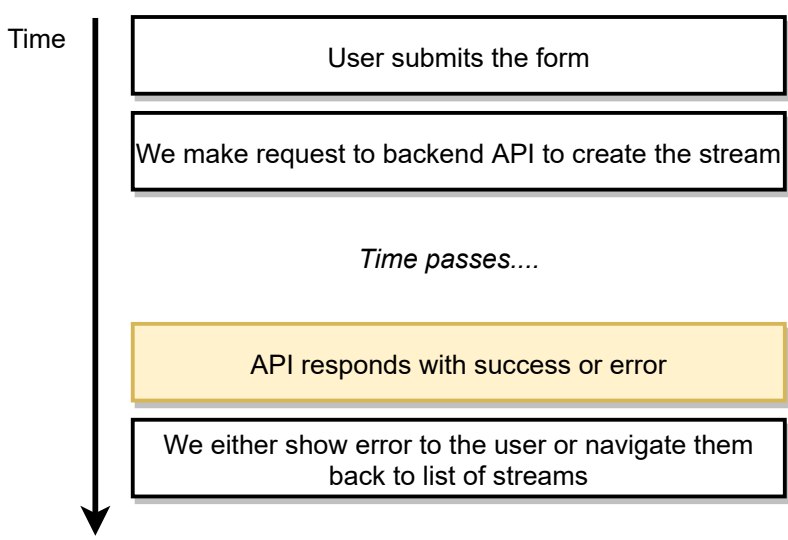


Action	Method	Route	Response
List all records	GET	/streams	Array of records
Get one particular record	GET	/streams/id	Single record
Create record	POST	/streams	Single record
Update ALL properties of a record	PUT	/streams/id	Single record
Update SOME properties of a record	PATCH	/streams/id	Single record
Delete a record	DELETE	/streams/id	Nothing







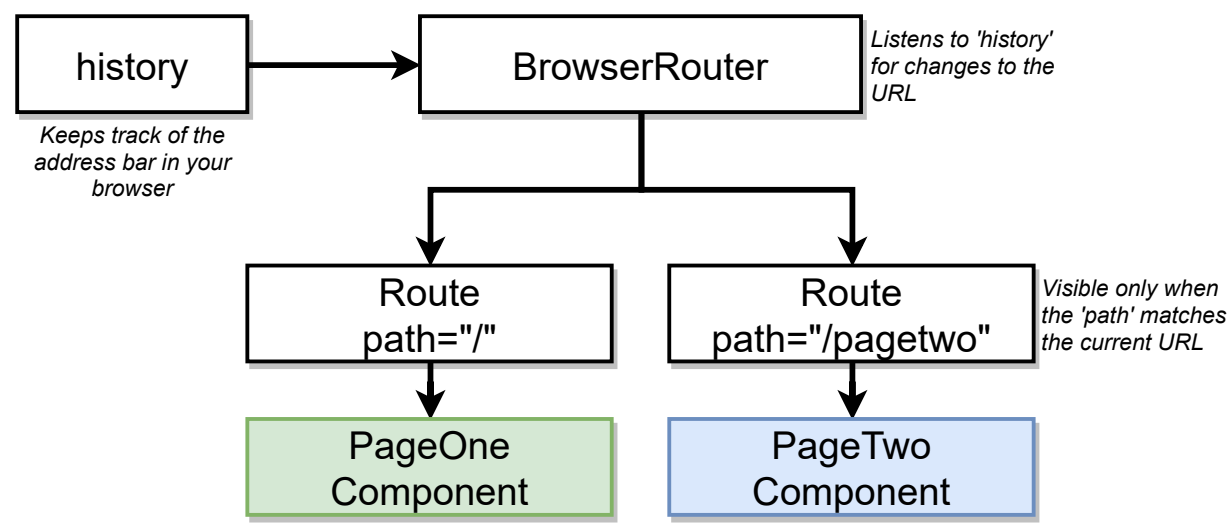


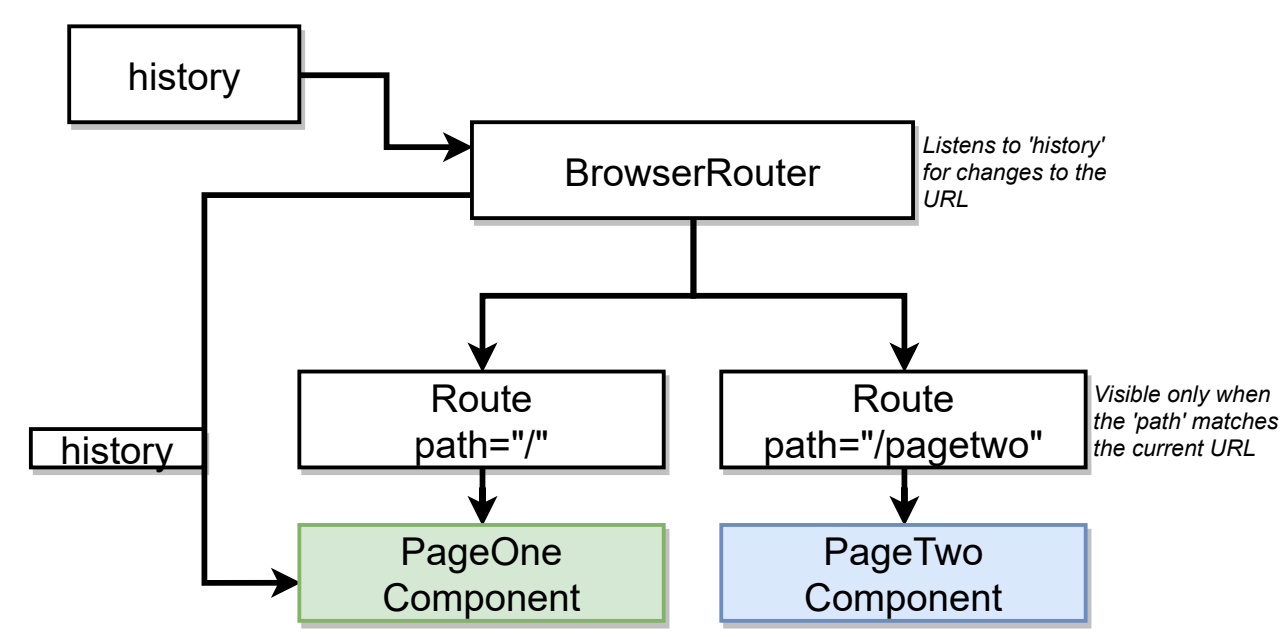
Intentional Navigation

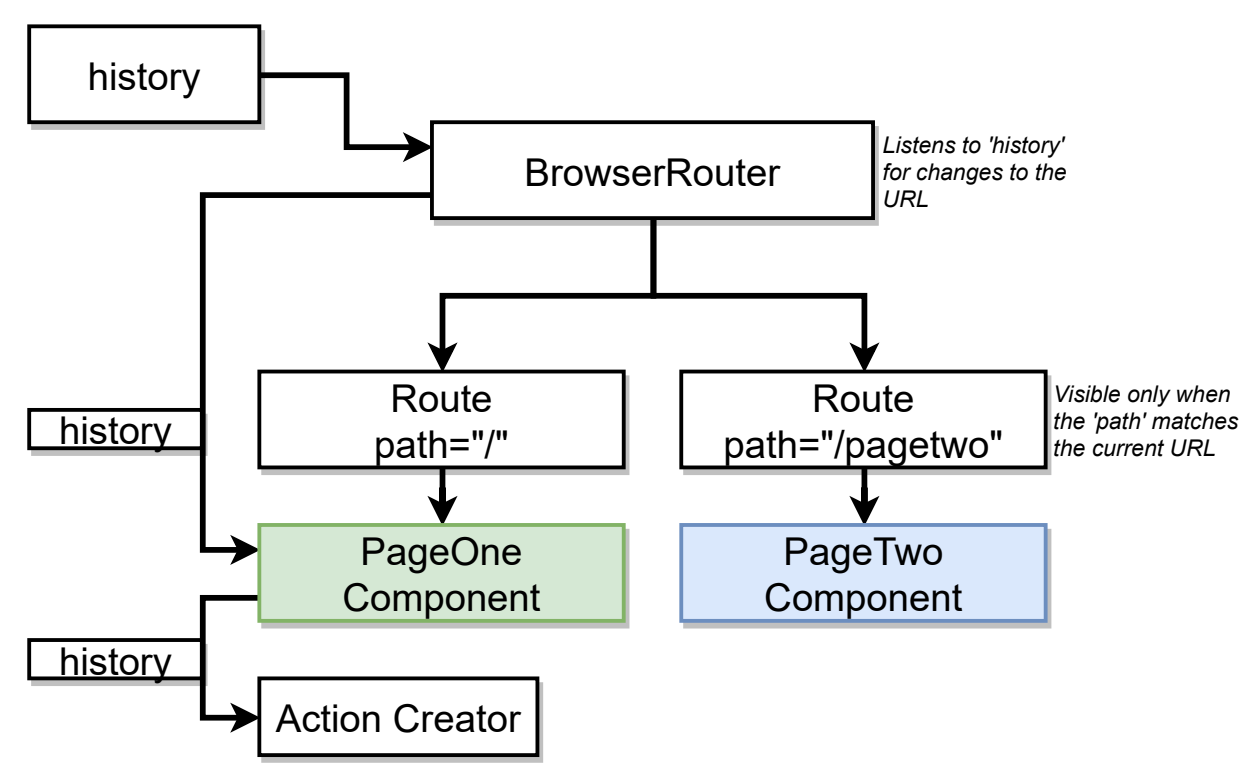
User clicks on a "Link" component

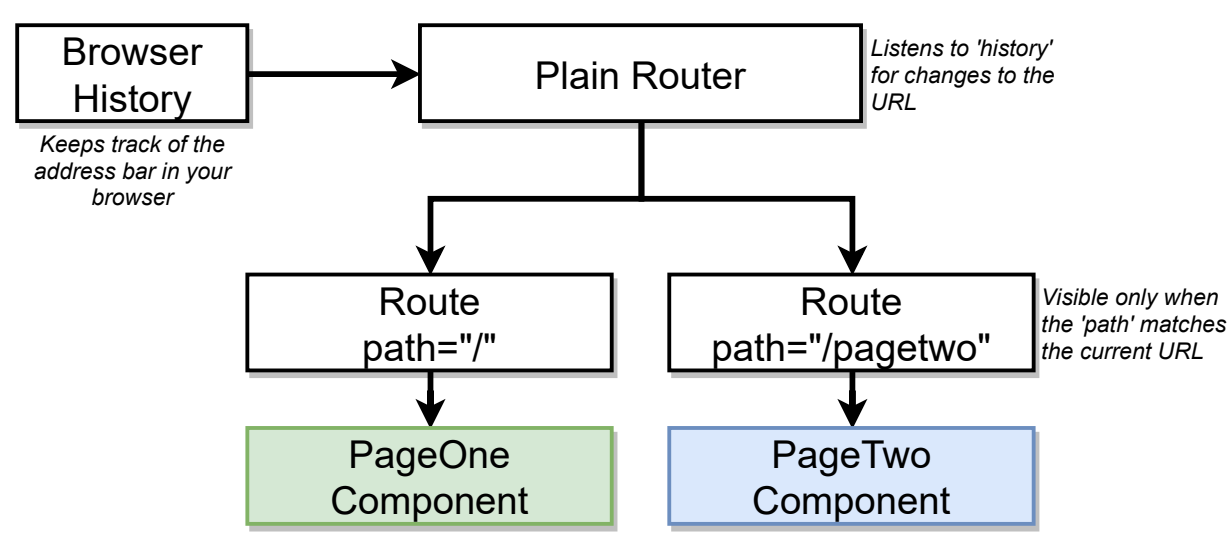
Programmatic Navigation

We run code to forcibly navigate the user through our app







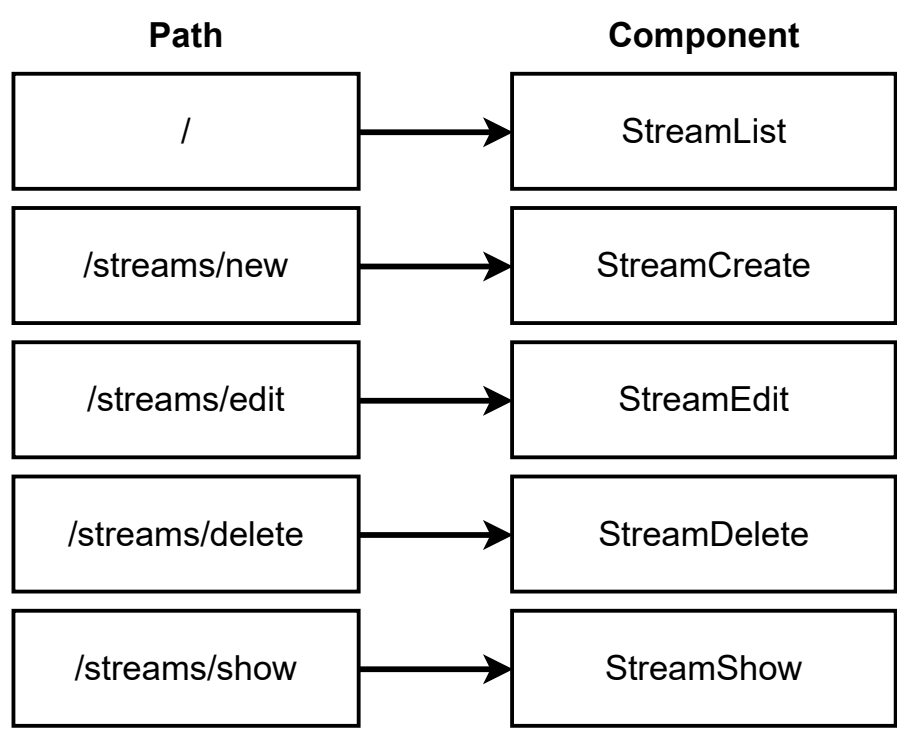


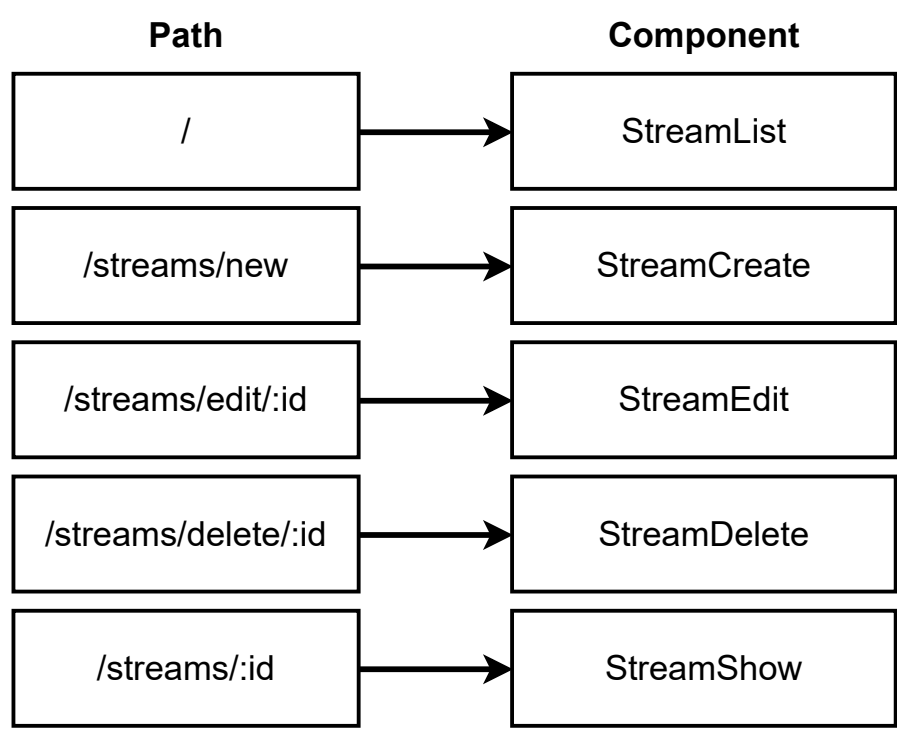
Selection Reducer

When a user clicks on a stream to edit it, use a 'selectionReducer' to record what stream is being edited

URL-based selection

Put the ID of the stream being edited in the URL.





Selection Reducer

Keeps selection 'state' in Redux, but
tough for a user to navigate to a
page and see correct content

URL-based selection

Works well with navigation-enabled
apps

User types in /streams/edit/3 to address bar and hits enter
User loads up our app
Redux state object is empty!
We try to select stream with id '3' from state
No streams were loaded, so we get undefined!
We navigated to '/'
StreamList fetches all of our streams, updates Redux state
We navigate back to '/streams/edit/3'
We select stream with id of 3
Data is now in redux store, so we see the appropriate stream



With React-Router, each component needs to be designed to work in isolation (fetch its own data!)

