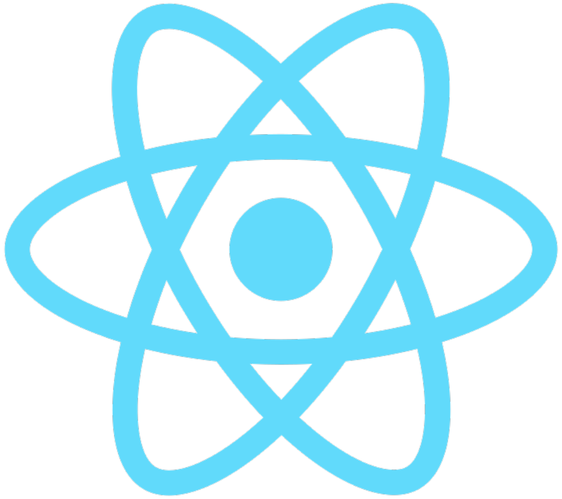
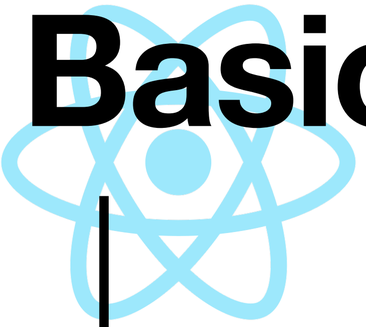


Intro to Web Dev and React

3DC

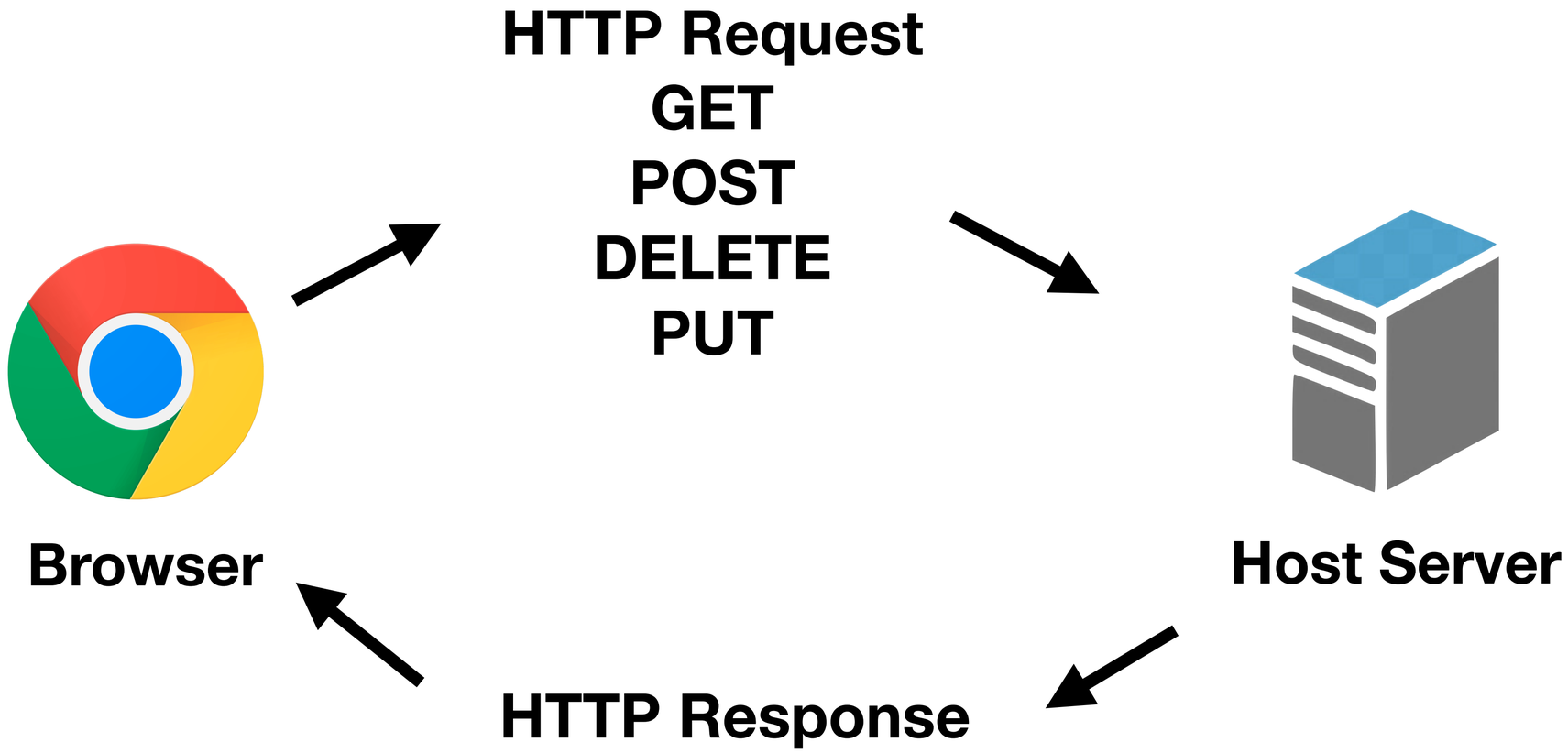
Bryce Goh

Basic React Introduction



- Basic overview of the web
- Why react
- Javascript Refreshers
- Components and JSX
- To-do App

Basic overview of the web

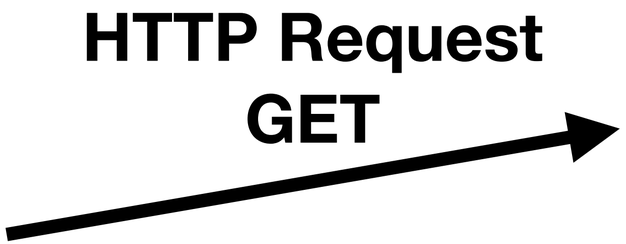


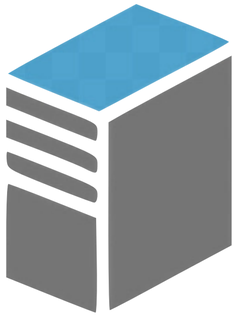
Basic overview of the web

www.sutd.edu.sg

Browser

HTTP Request
GET



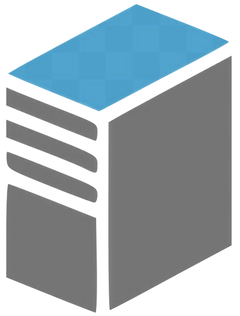


DNS Server

Host Server

Basic overview of the web

www.sutd.edu.sg

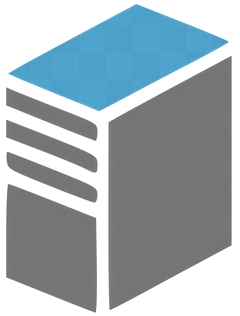


DNS Server

Browser

Host Server

Basic overview of the web



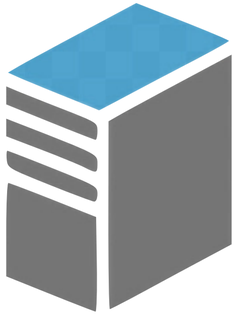
IP address

DNS Server

Browser

Host Server

Basic overview of the web



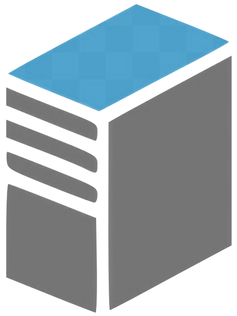
DNS Server

Browser

IP address

Host Server

Basic overview of the web



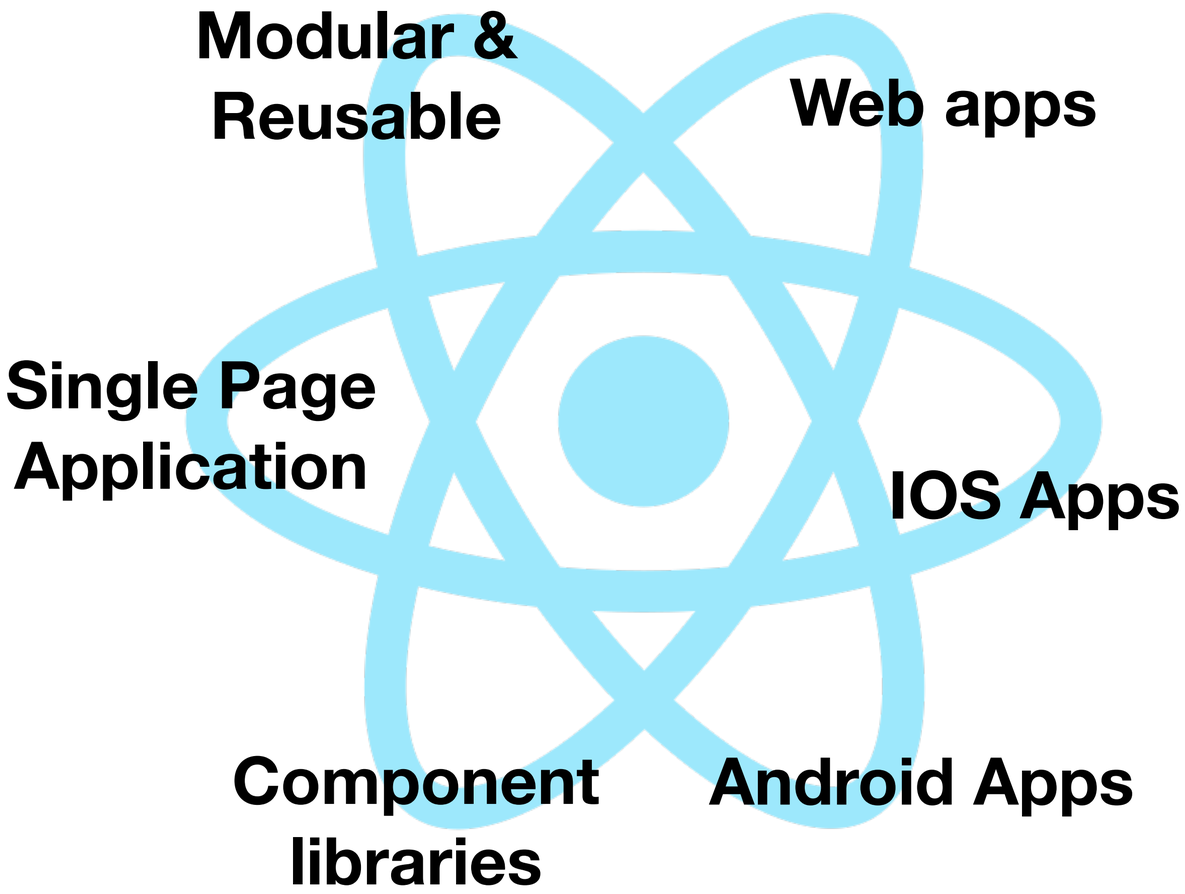
DNS Server

Browser

IP address

Host Server

Why react


Modular &
Reusable
Web apps
Single Page
Application
IOS Apps
Component
libraries
Android Apps

Javascript Refreshers

Defining Variables	variable_name = “hello world”	Const variableName = “hello world” Let variableName = “hello world”

List/Array & Objects/ Dictionary	List = [….]
	
	Dictionary = {
	Key: value
	}
		Const list = [….]
		
		Const dictionary = {
		Key: value
		}

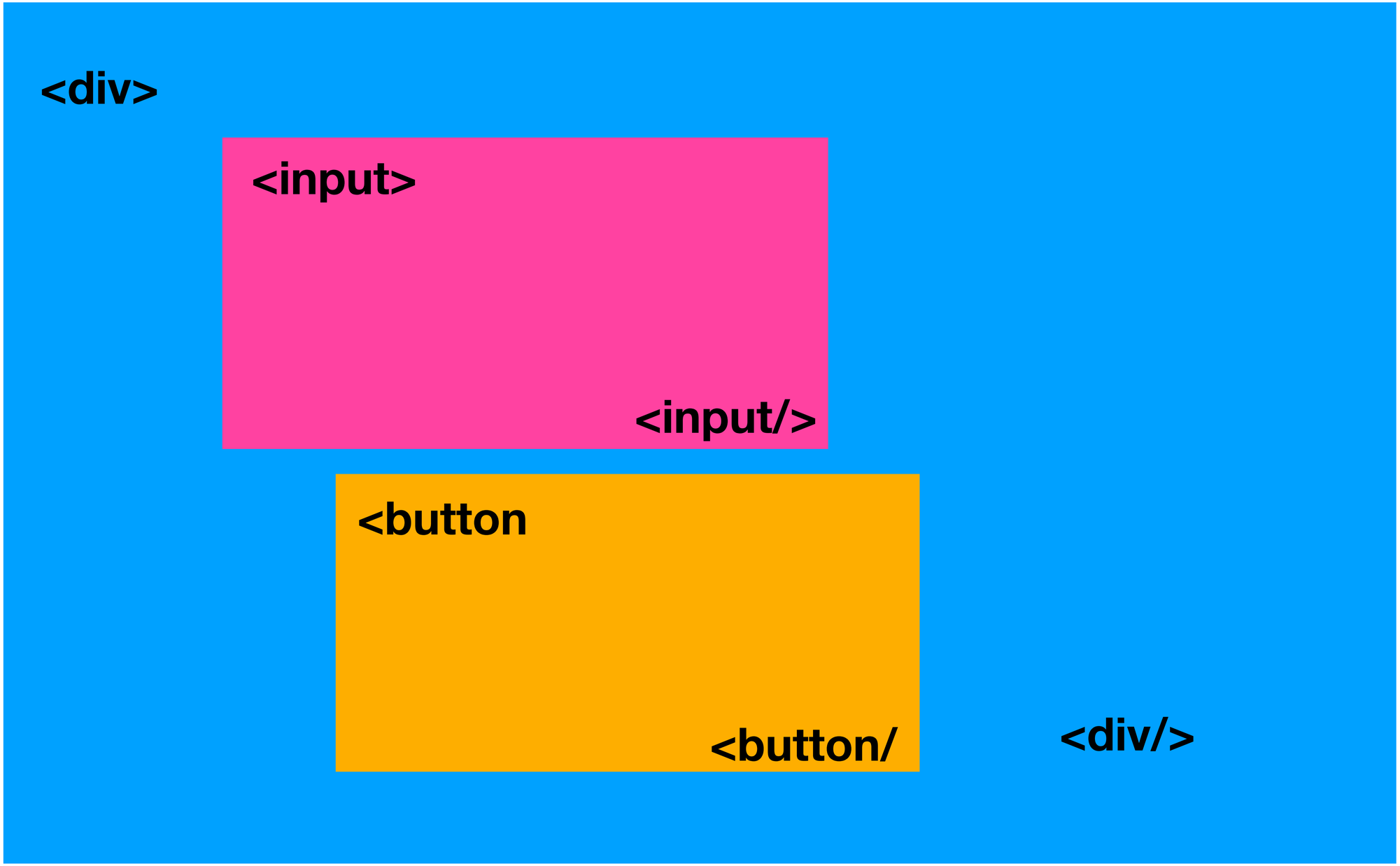
Javascript Refreshers

Functions	Def function_name(argument):
	…
	…
	return(…)
		Const functionName = (argument) => {
		…
		…
		return(…)
		}

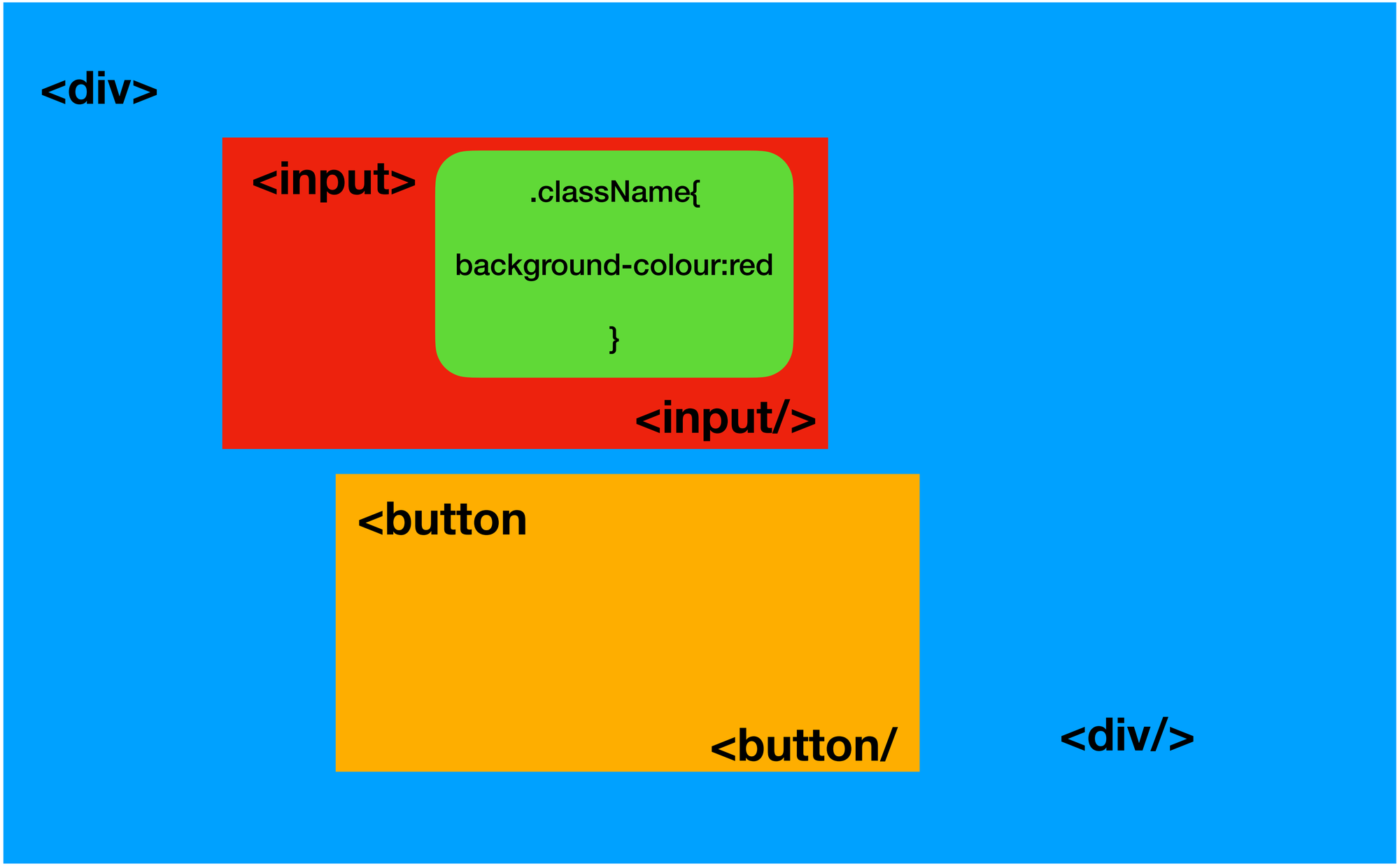
Loops	For x in list:
	print(x)
		list.map((x , index) => {
		console.log(x)
		}
		)

HTML/CSS Refreshers

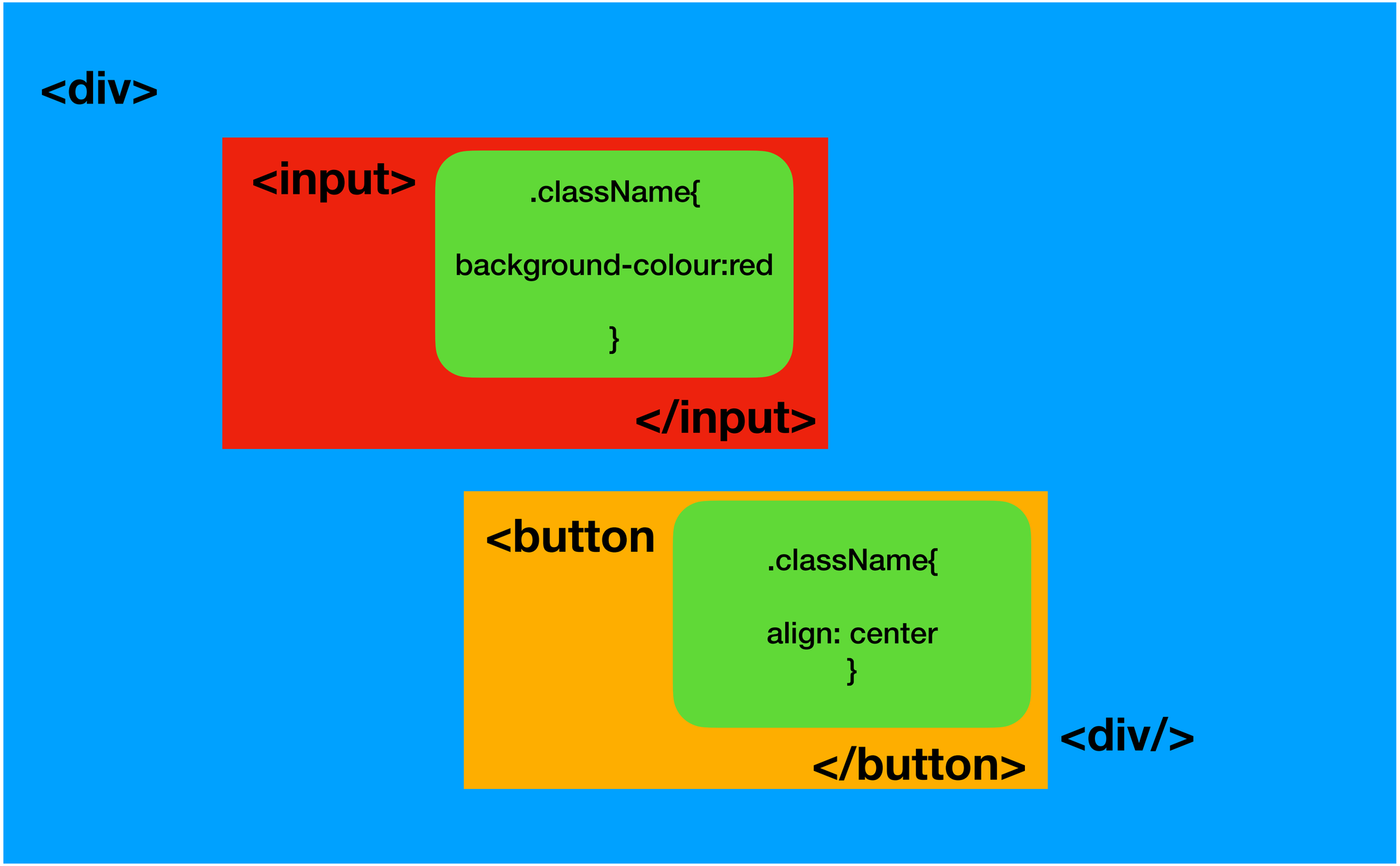
HTML/CSS Refreshers



HTML/CSS Refreshers

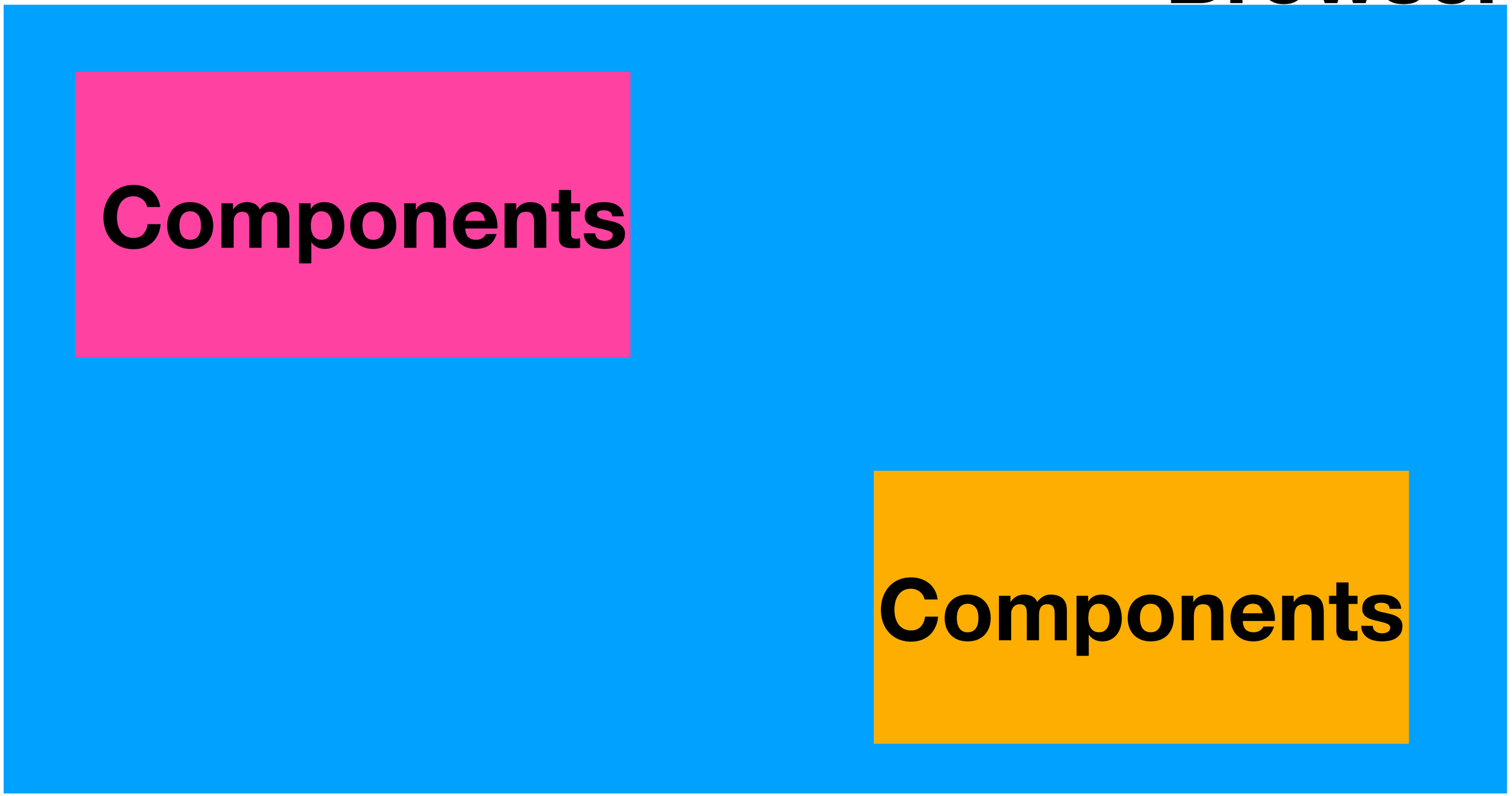


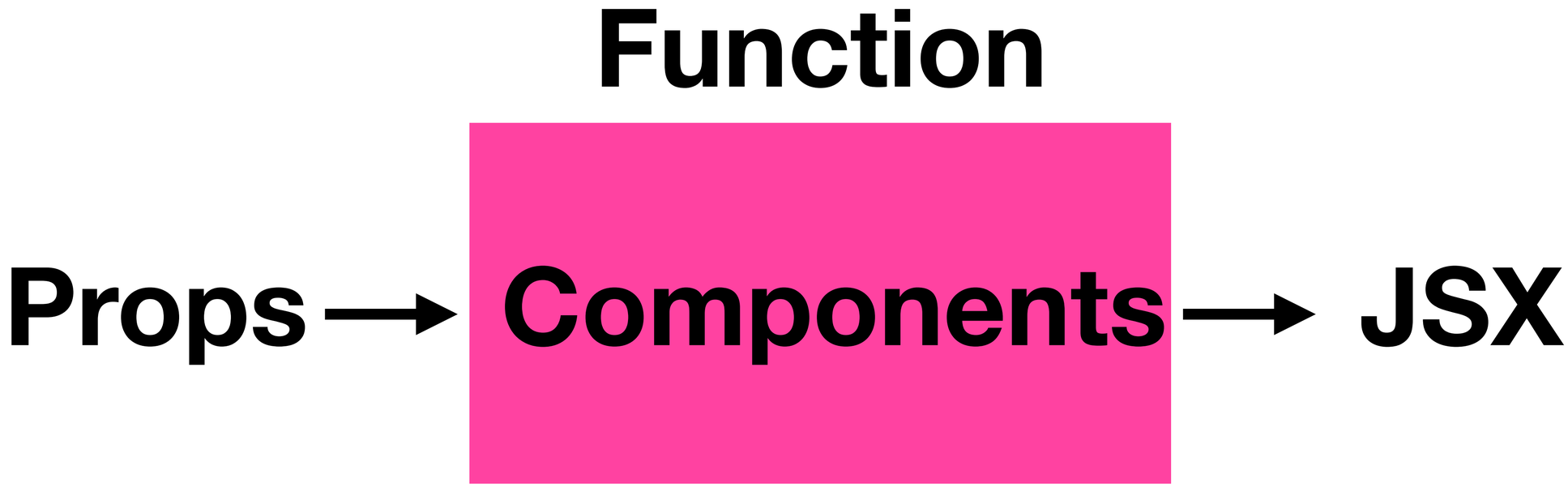
HTML/CSS Refreshers

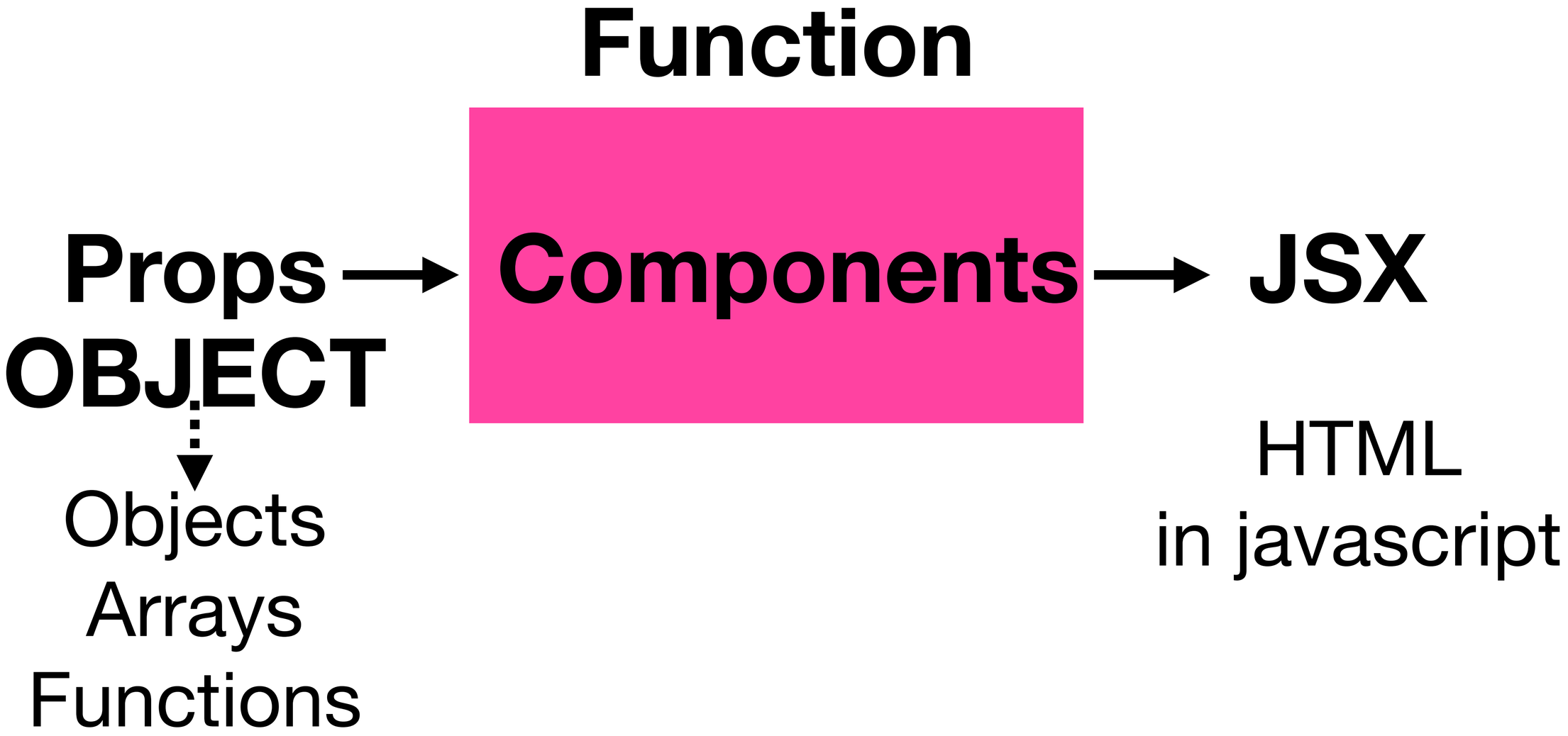


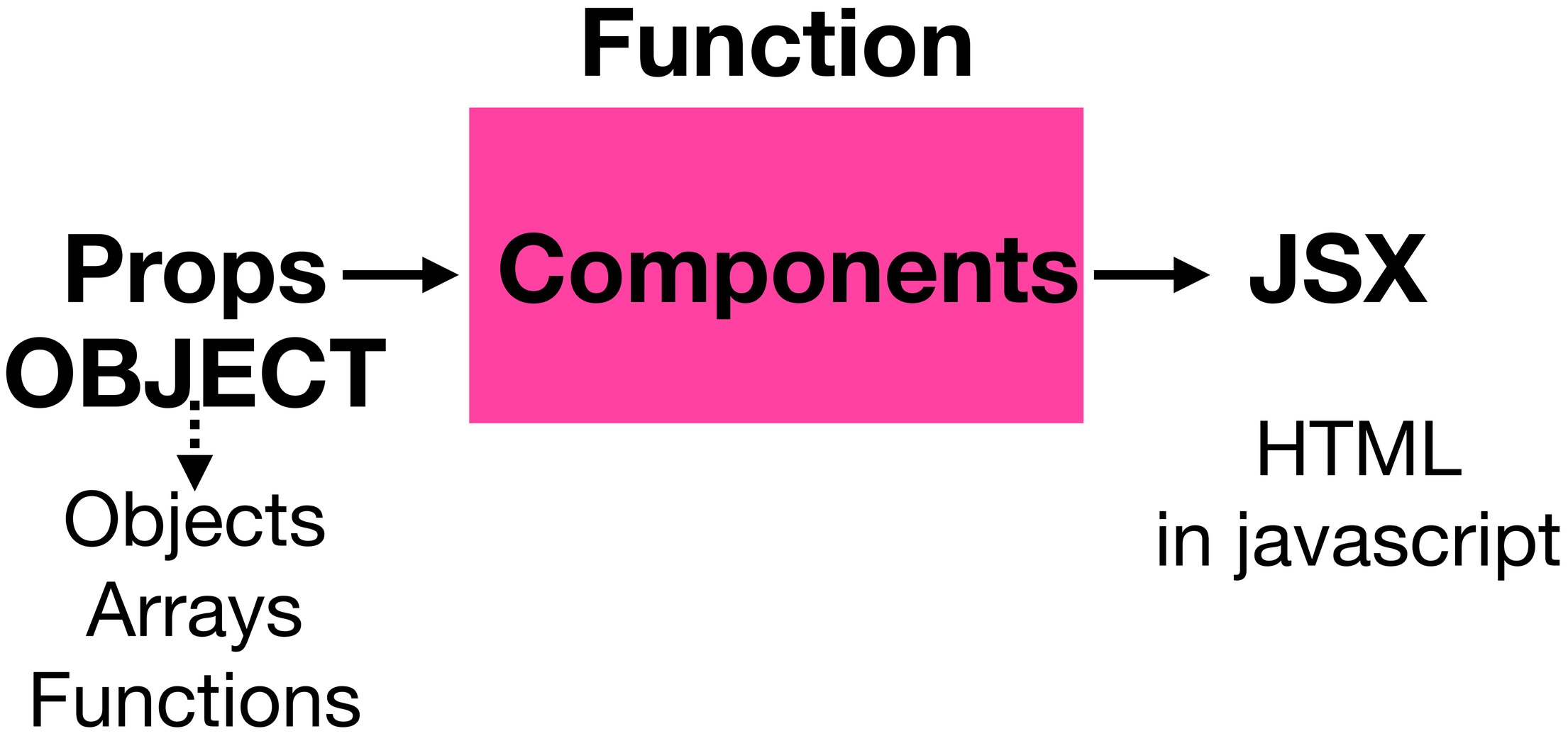
REACT

Browser




Function
Props
Components
JSX


Function
Props
OBJECT
Components
JSX
Objects
Arrays
Functions
HTML
in javascript


Function
Props
OBJECT
Components
JSX
Objects
Arrays
Functions
HTML
in javascript

REACT

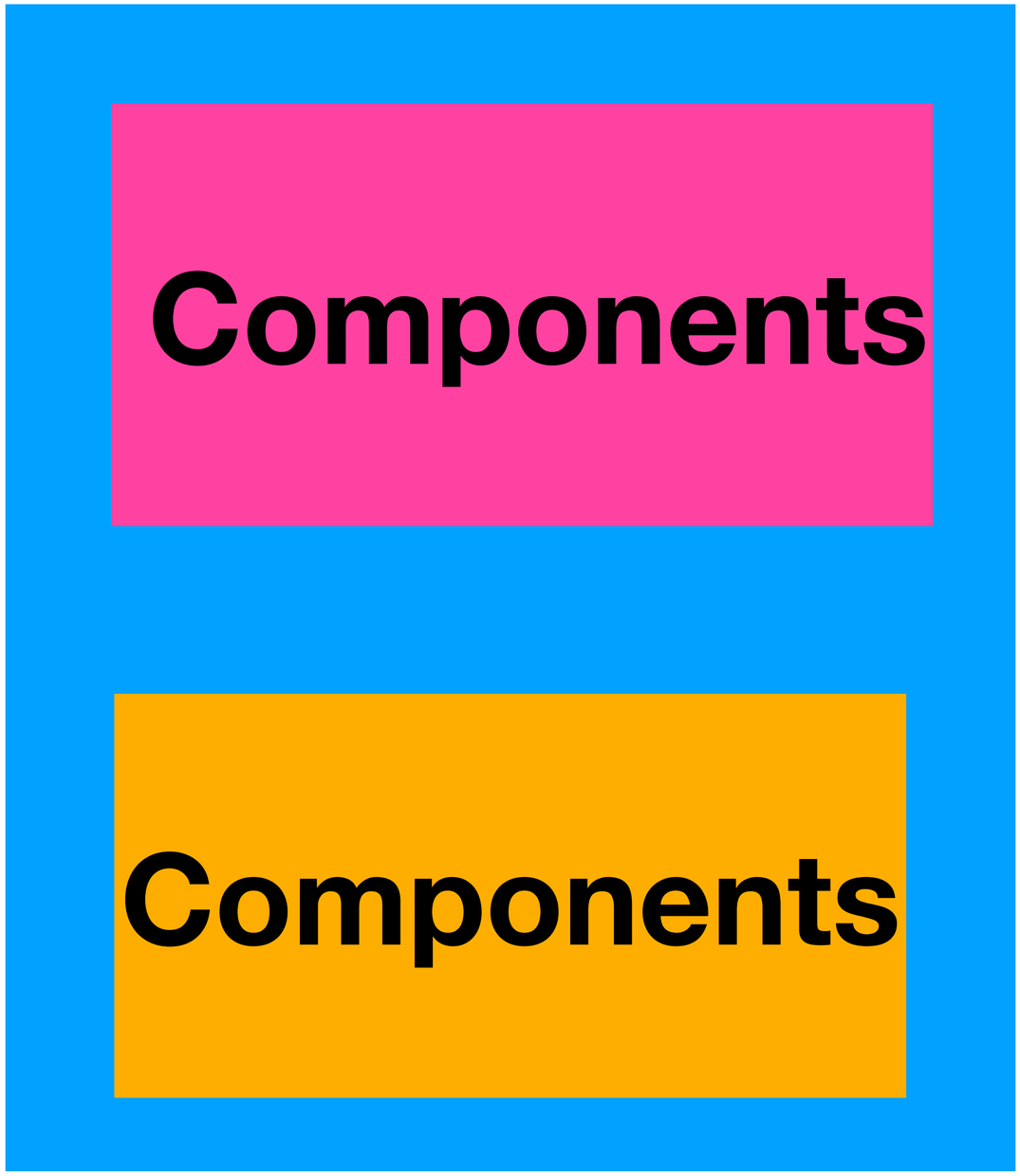
Browser

Props → Components → JSX

```
<div>
    {
        array.forEach( x =>
            <MySecondComponent
                firstProp = {x}
            />
        )
    }
                        </div>
```

```
Const MySecondComponent = (props) => {
    return(
        <div>
            props.firstProp
        </div>
    )
}
```

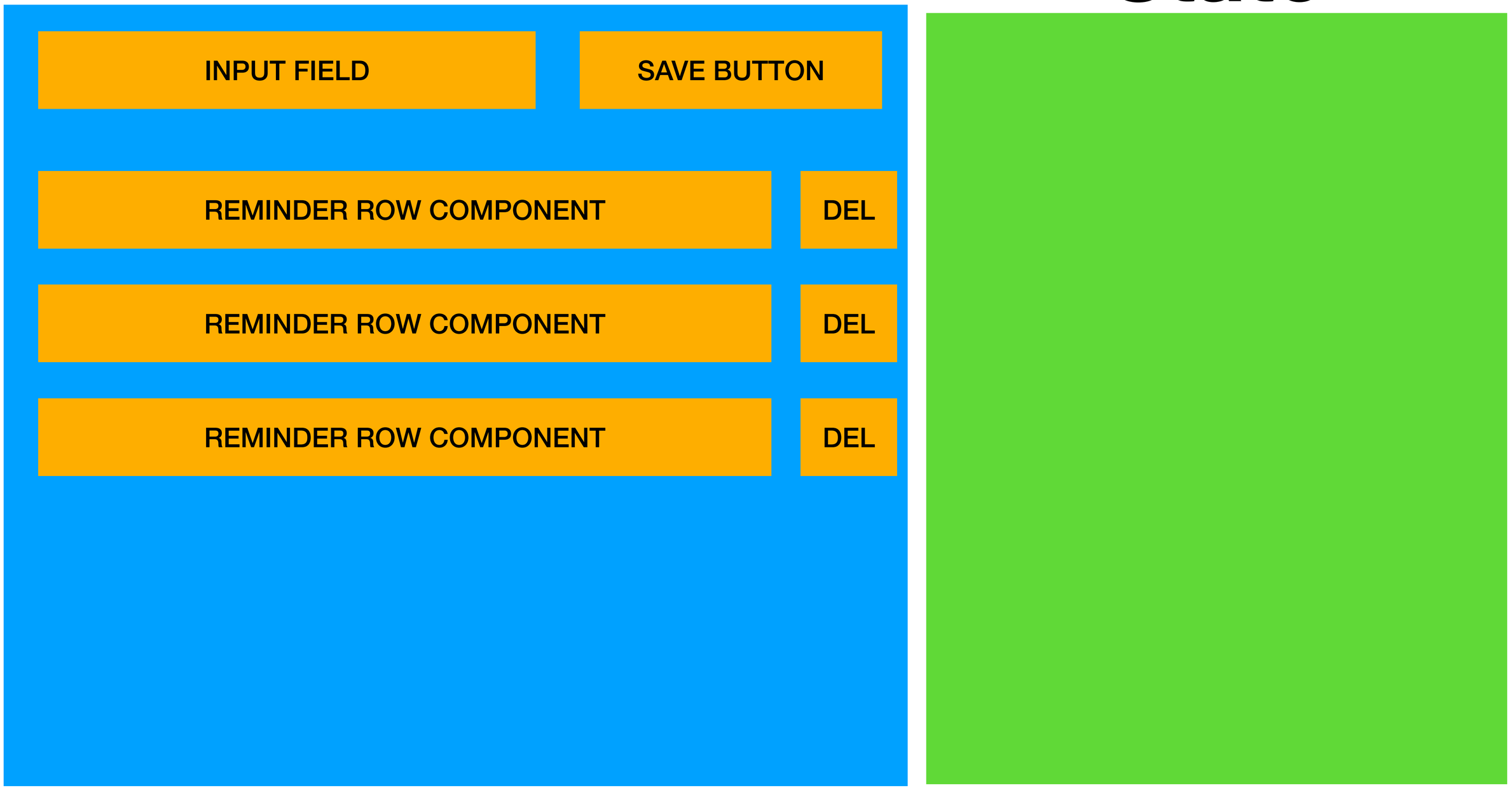
REACT



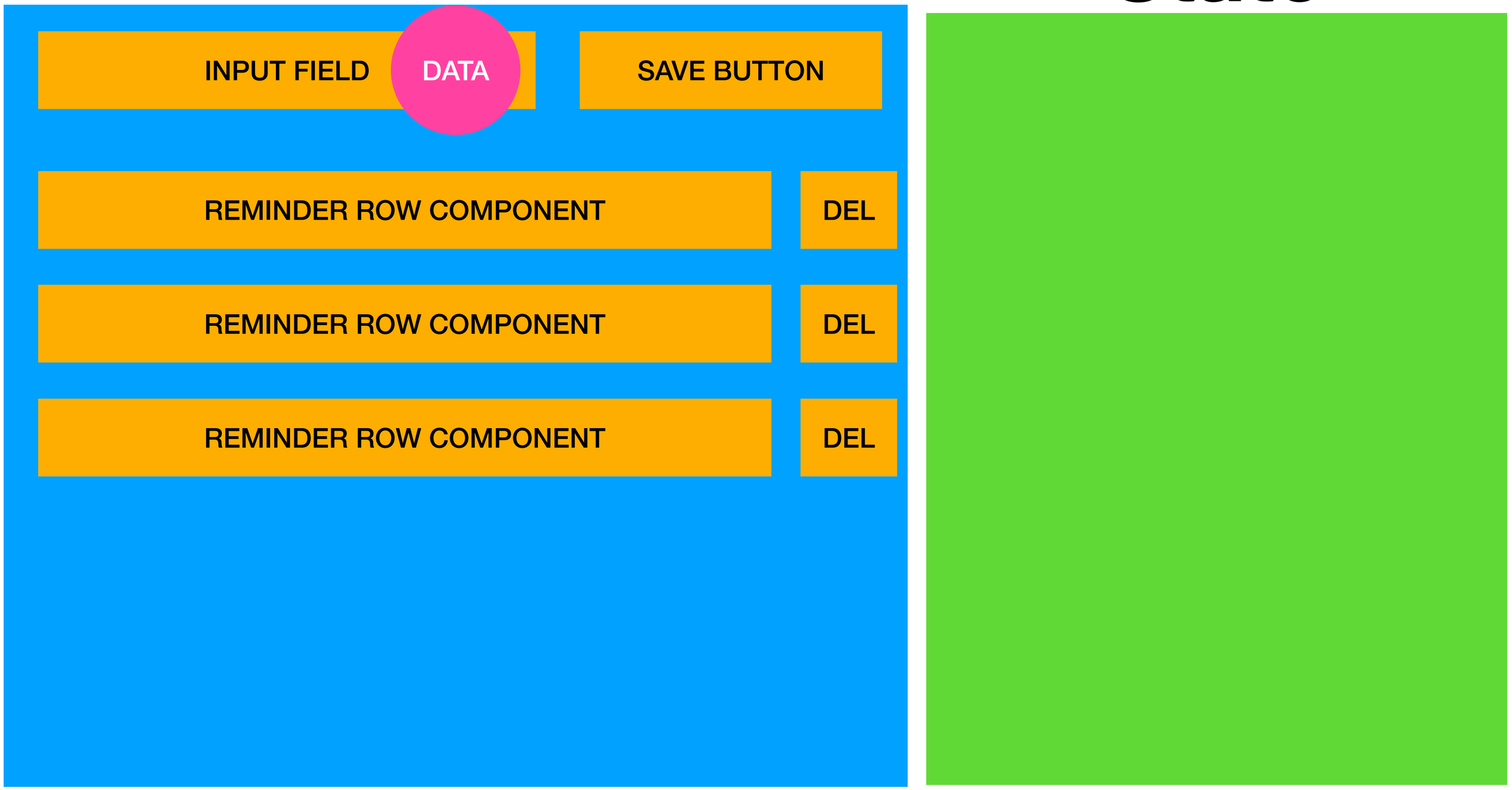
State

TEMP
STORAGE

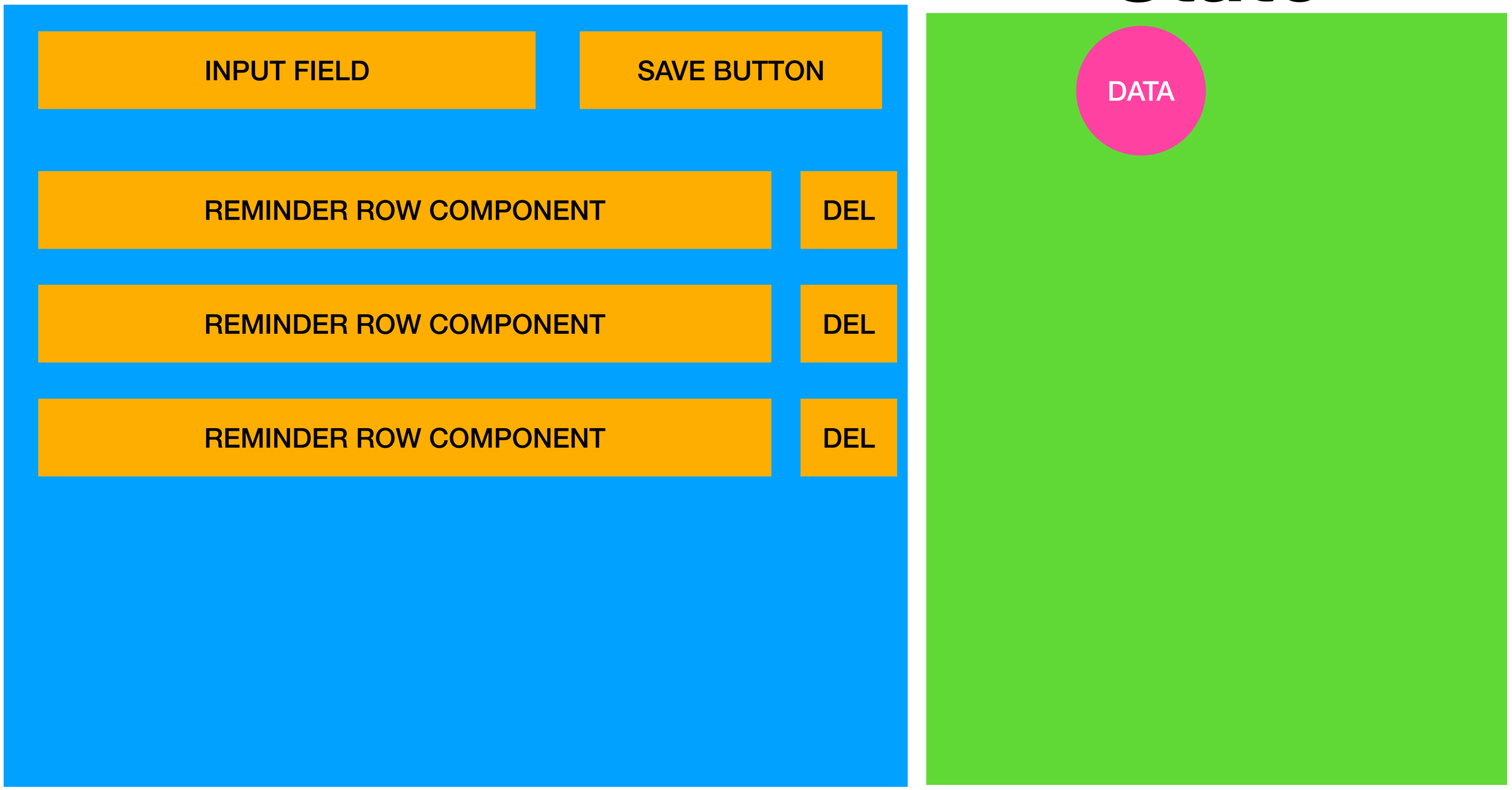
DEMO For today



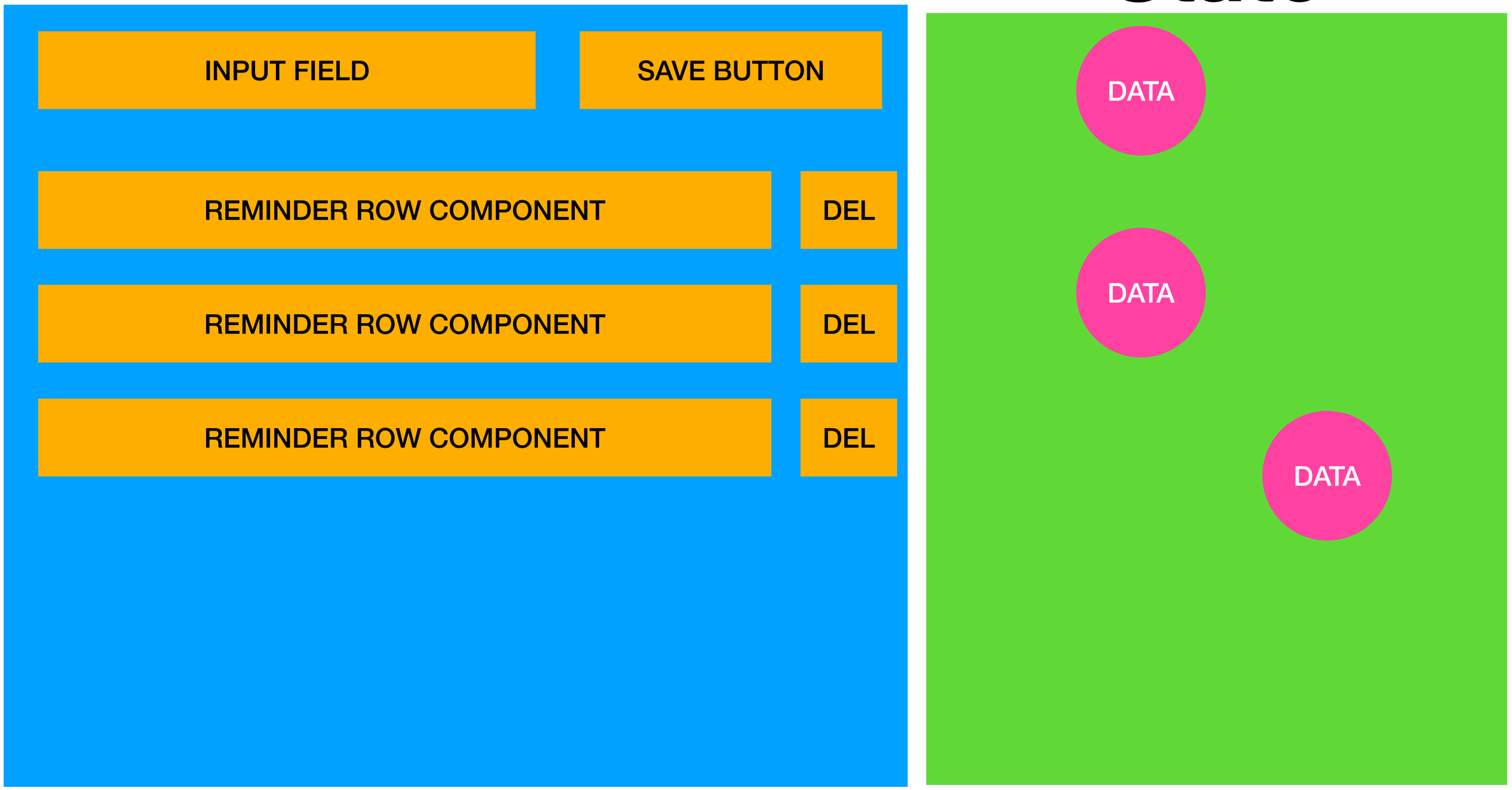
DEMO For today



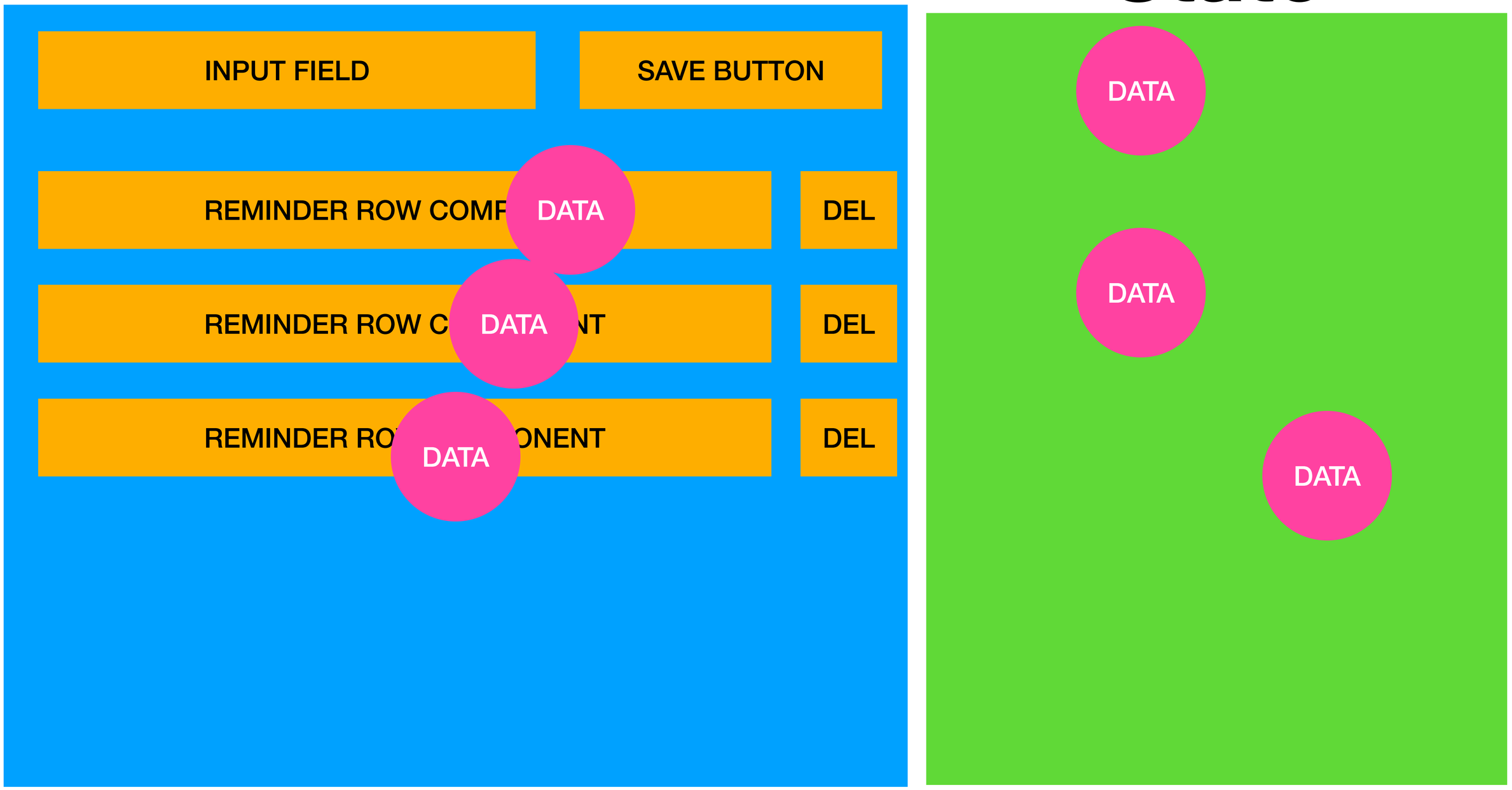
DEMO For today



DEMO For today



DEMO For today



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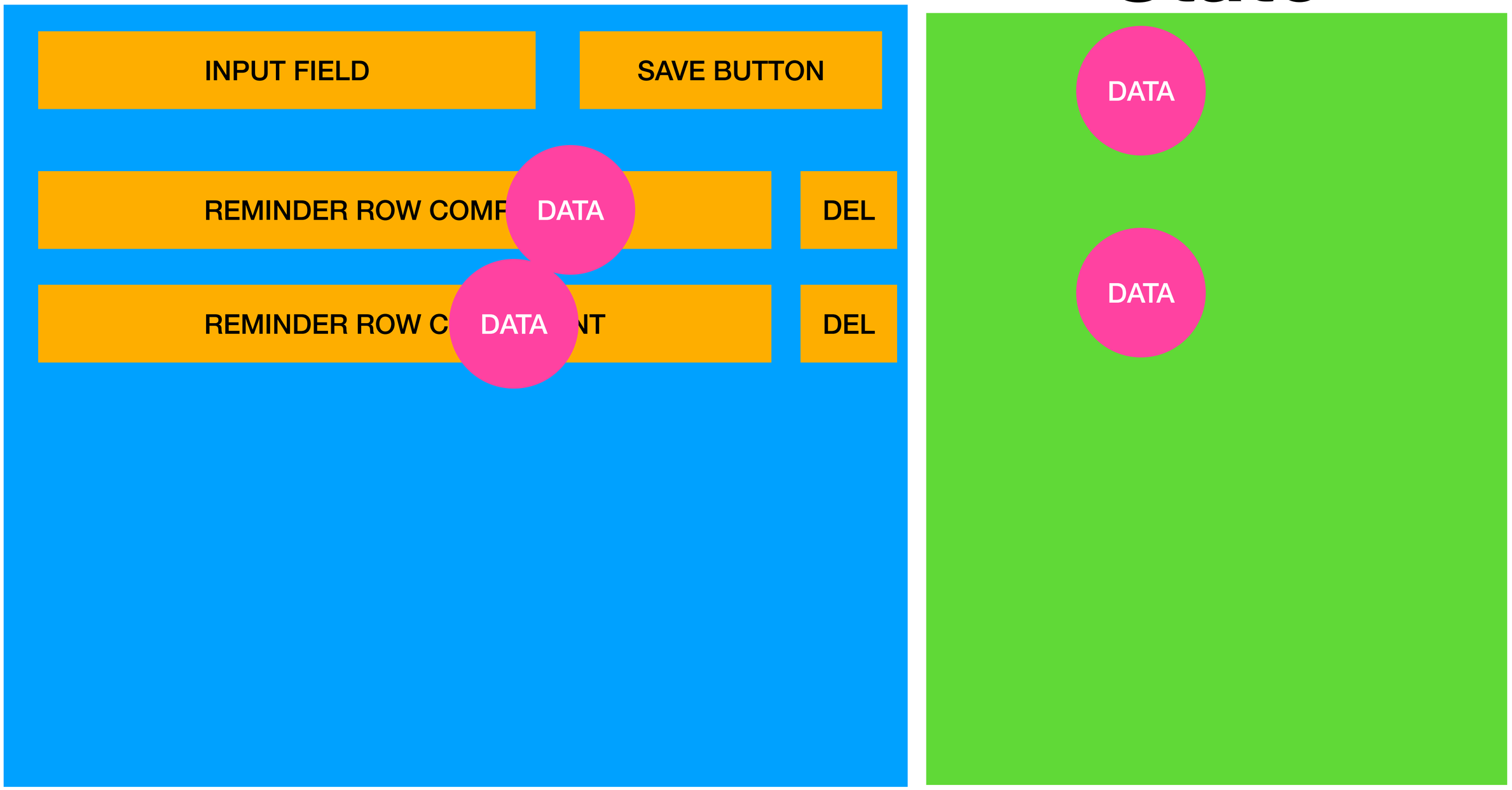

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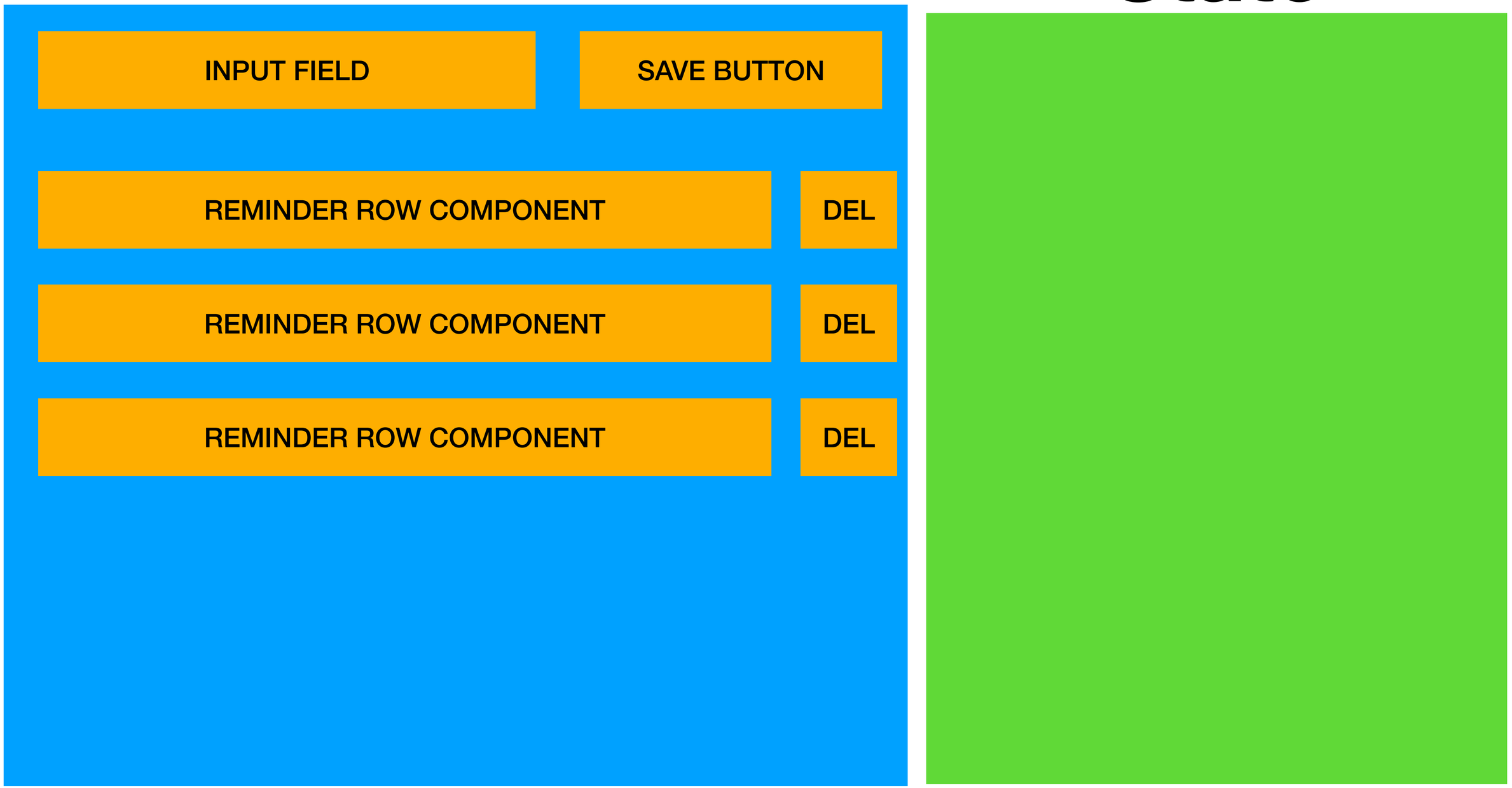

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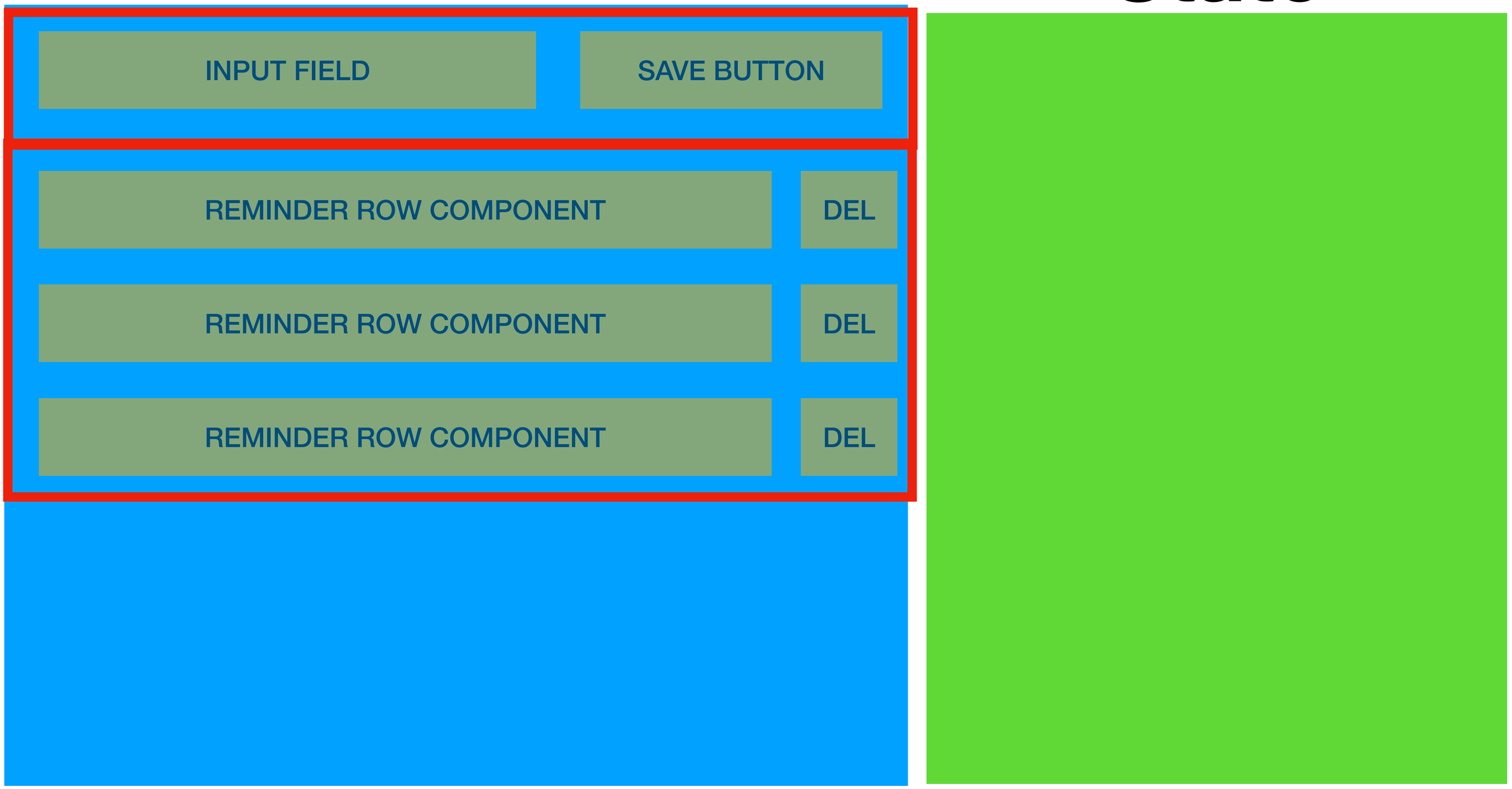
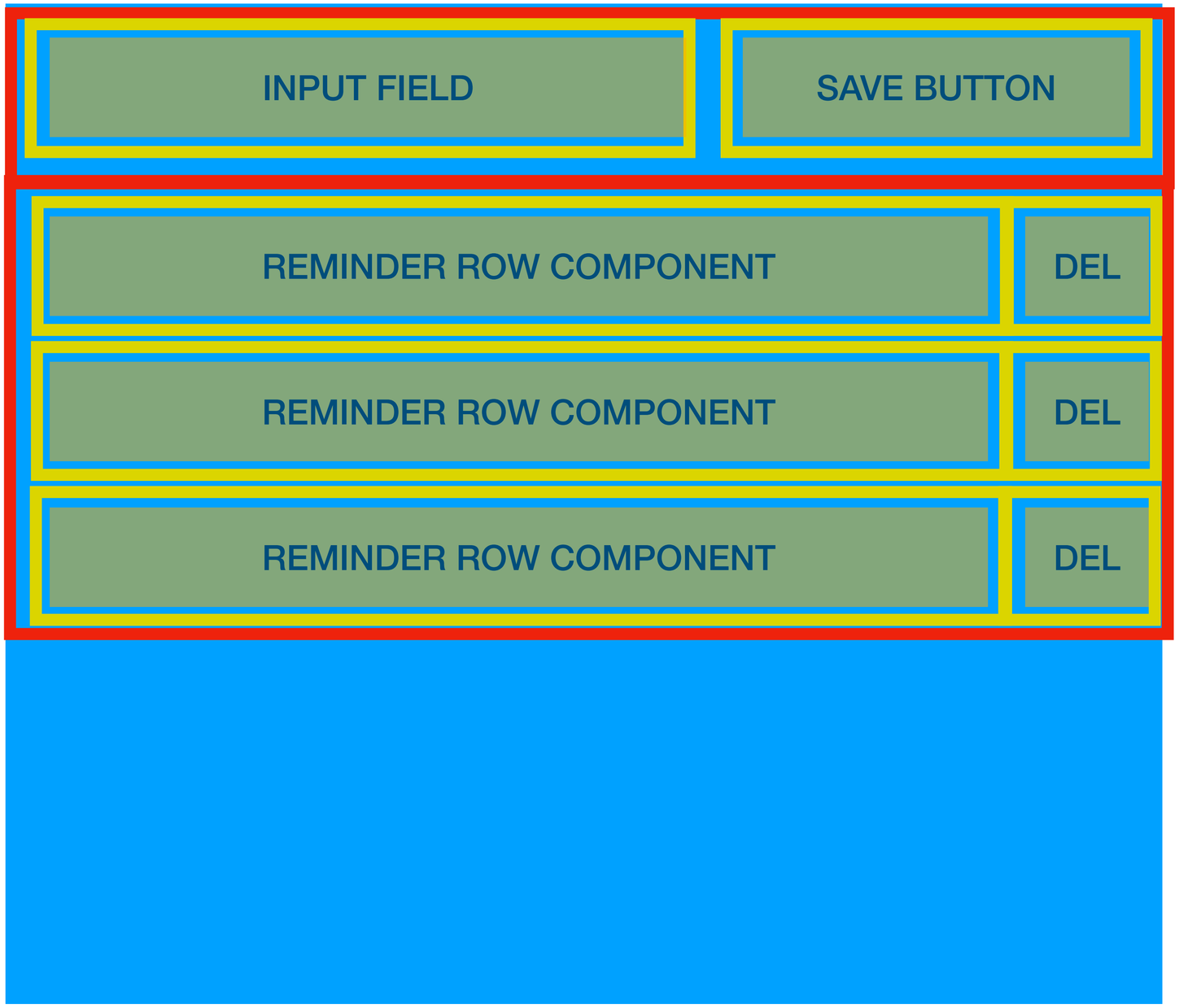


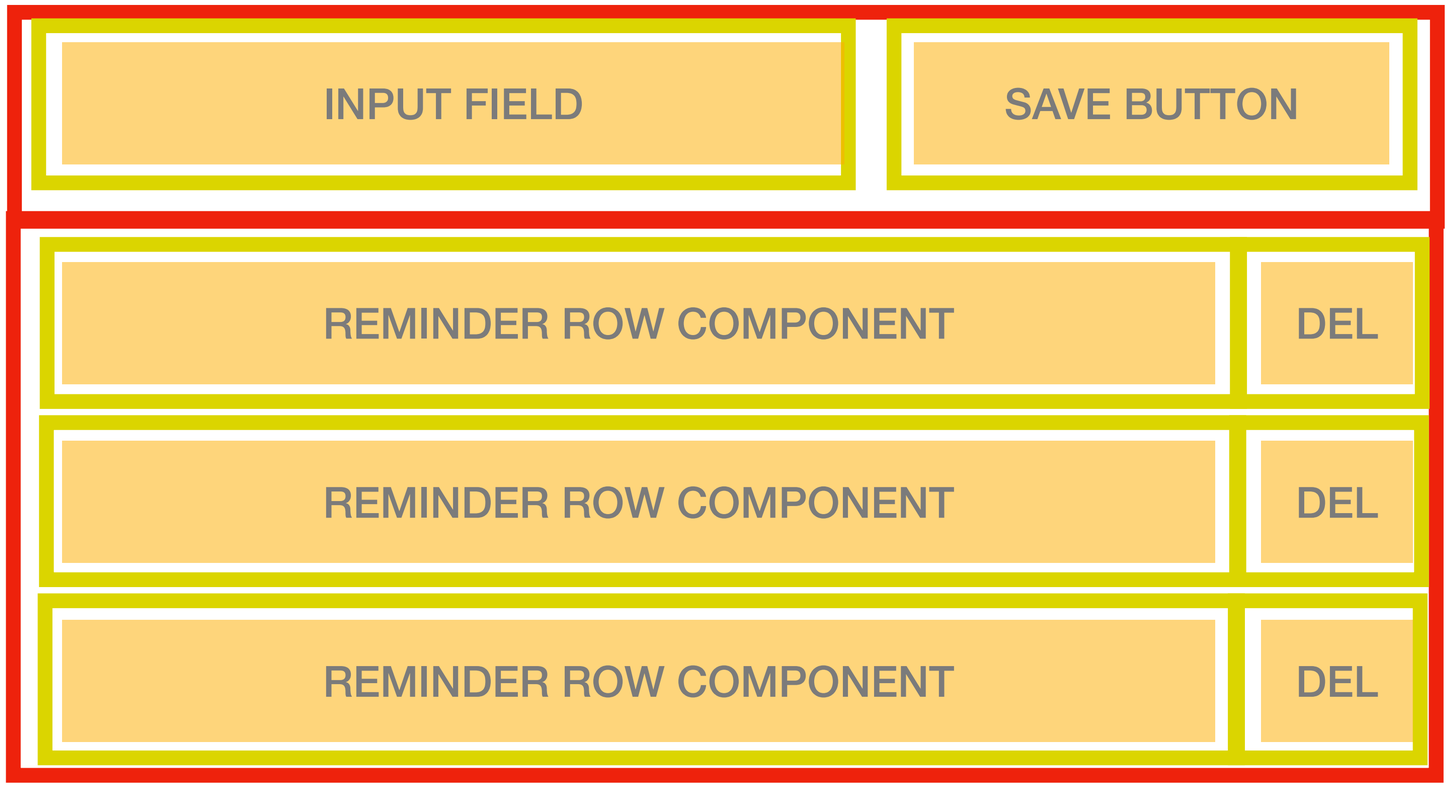
DEMO For today



State

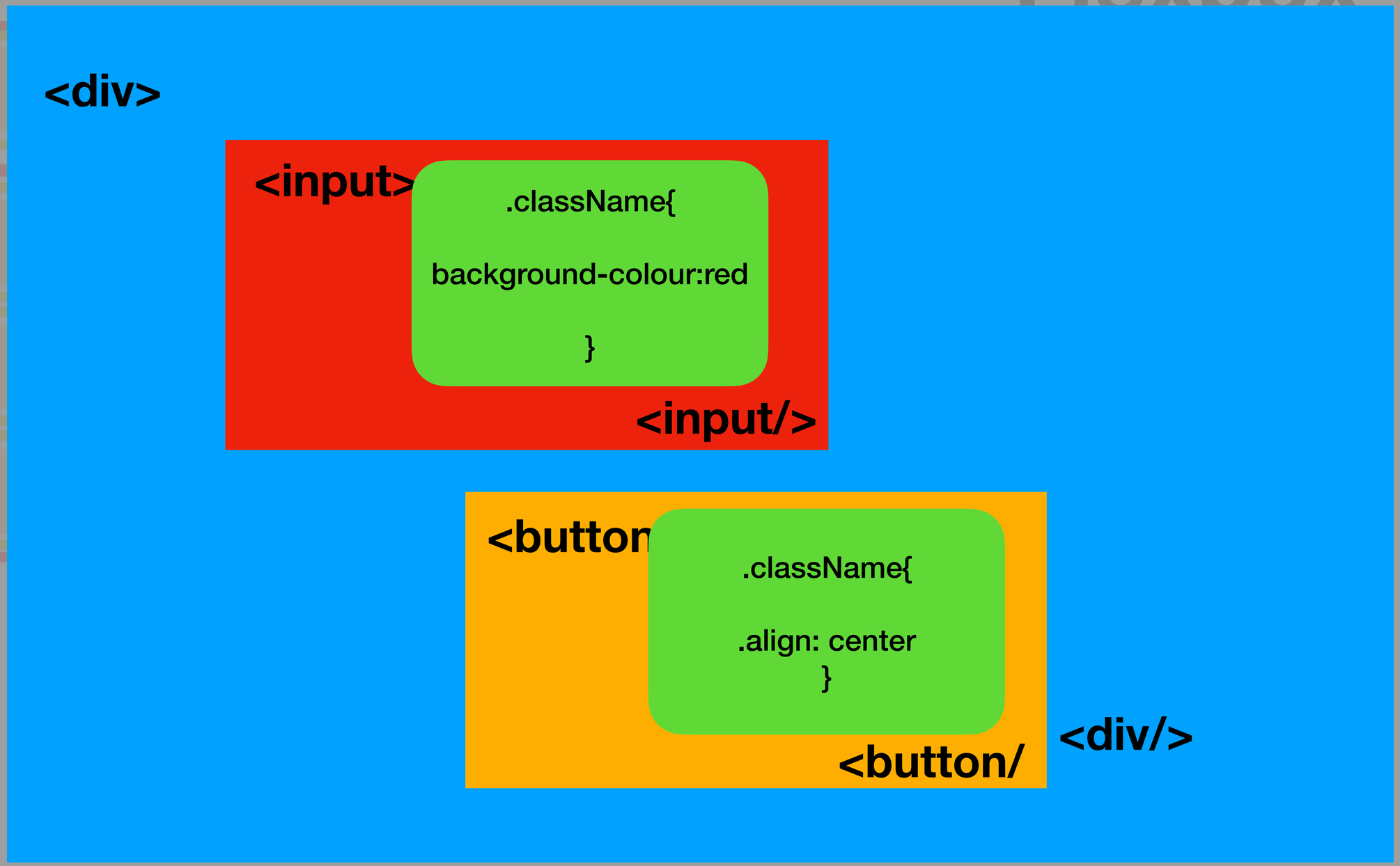
DEMO For today

Flexbox



DEMO For today

Flexbox



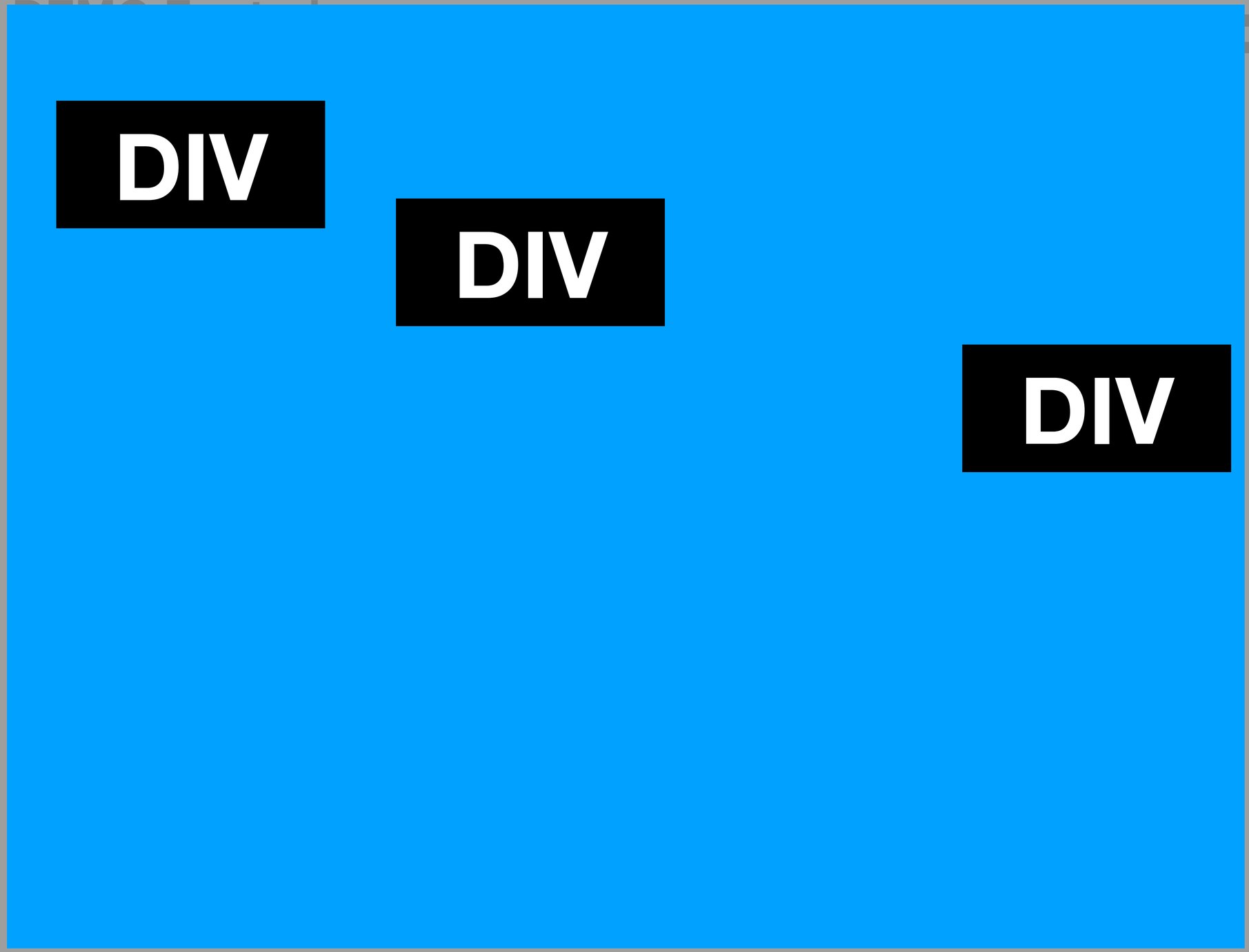
className = “mainContainer”

DIV

DIV

DIV

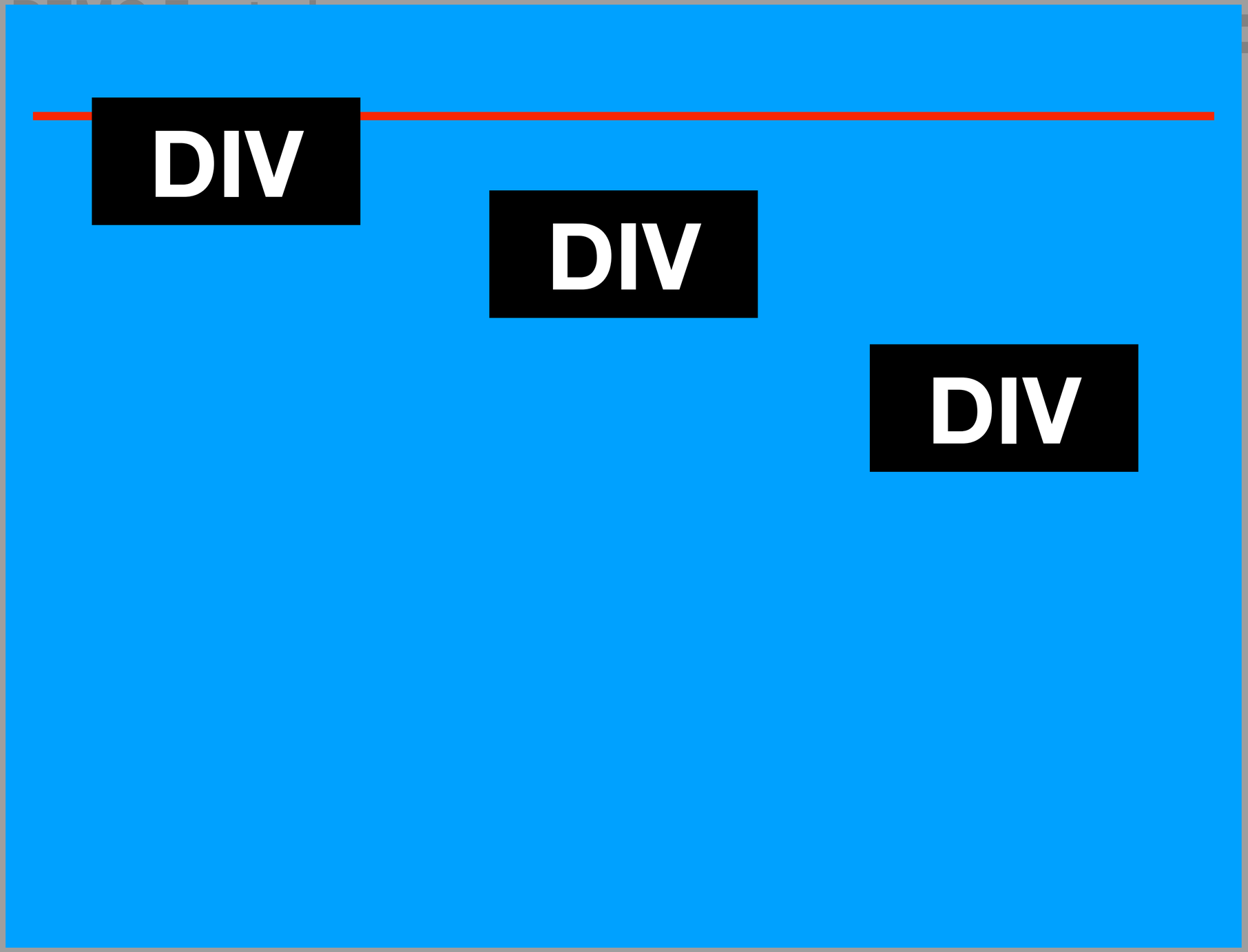
```
.mainContainer{
    display: flex;
}
```




```
.className{

    display: flex;
    flex-direction: row;

}
```

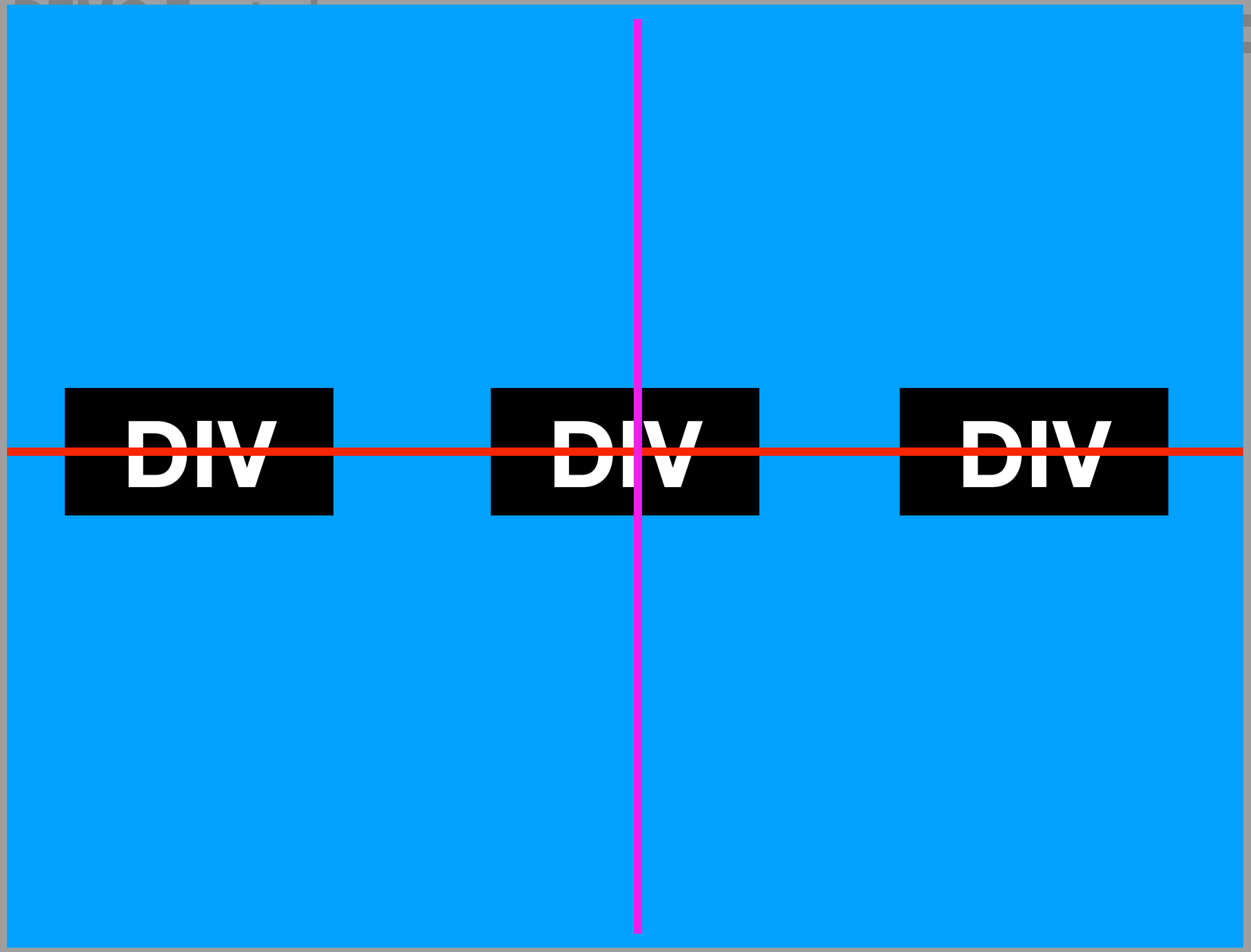



```
.className{

    display: flex;
    flex-direction: row;

    Justify-content:
    space-around;

    }
```




```
.className{

    display: flex;
    flex-direction: row;

    Justify-content:
    space-around;

    Align-content:
    Centre
    }
```