

Intro to Web Dev and React

3DC

Basic React Introduction

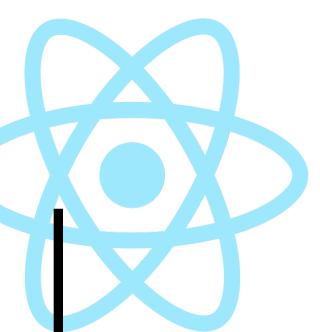
Basic overview of the web

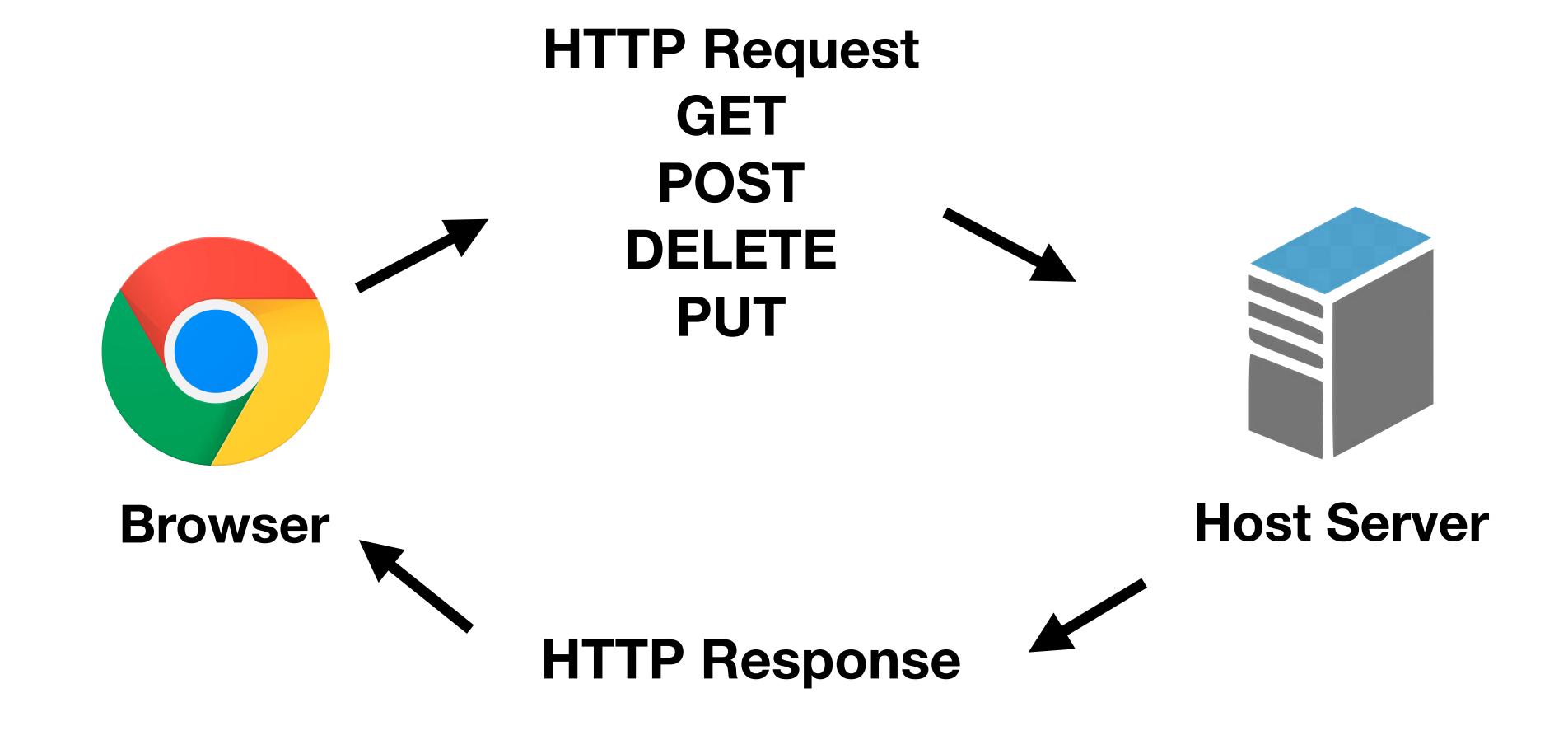
Why react

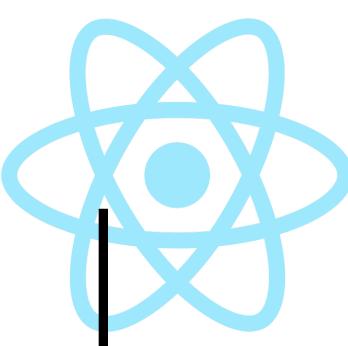
Javascript Refreshers

Components and JSX

To-do App







HTTP Request GET

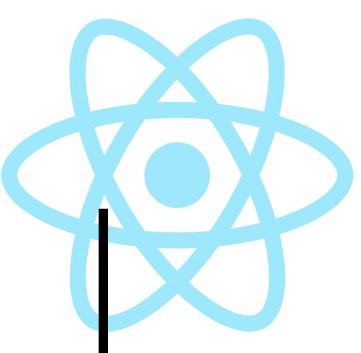


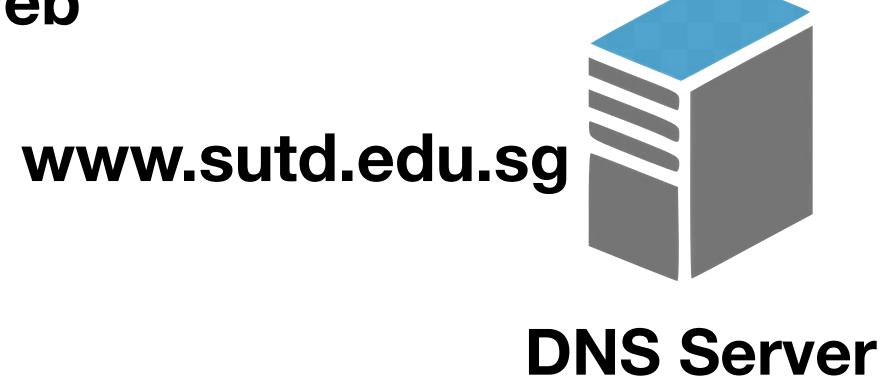
www.sutd.edu.sg



Browser

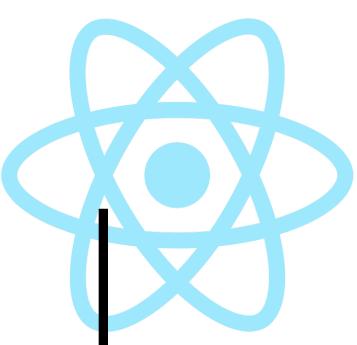








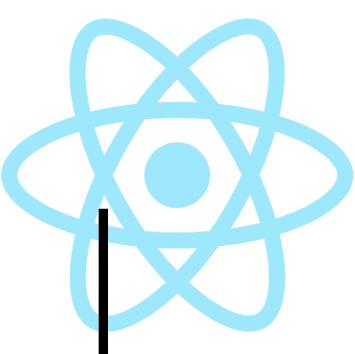








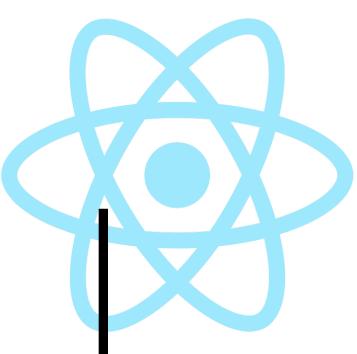










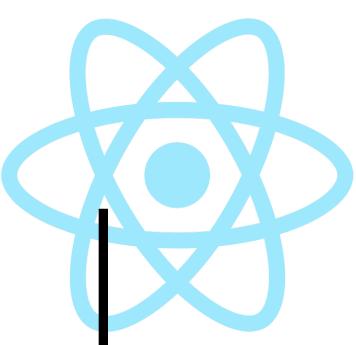




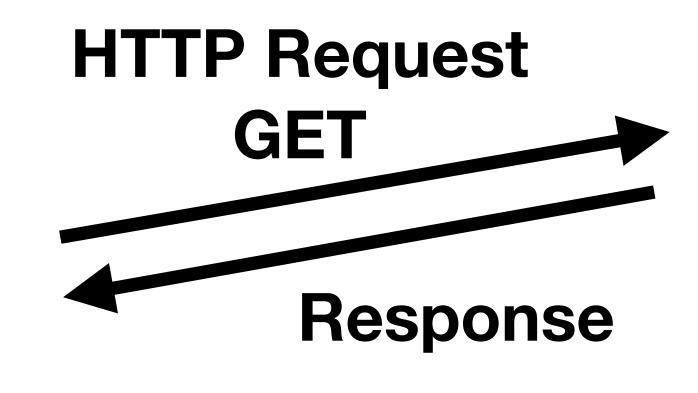


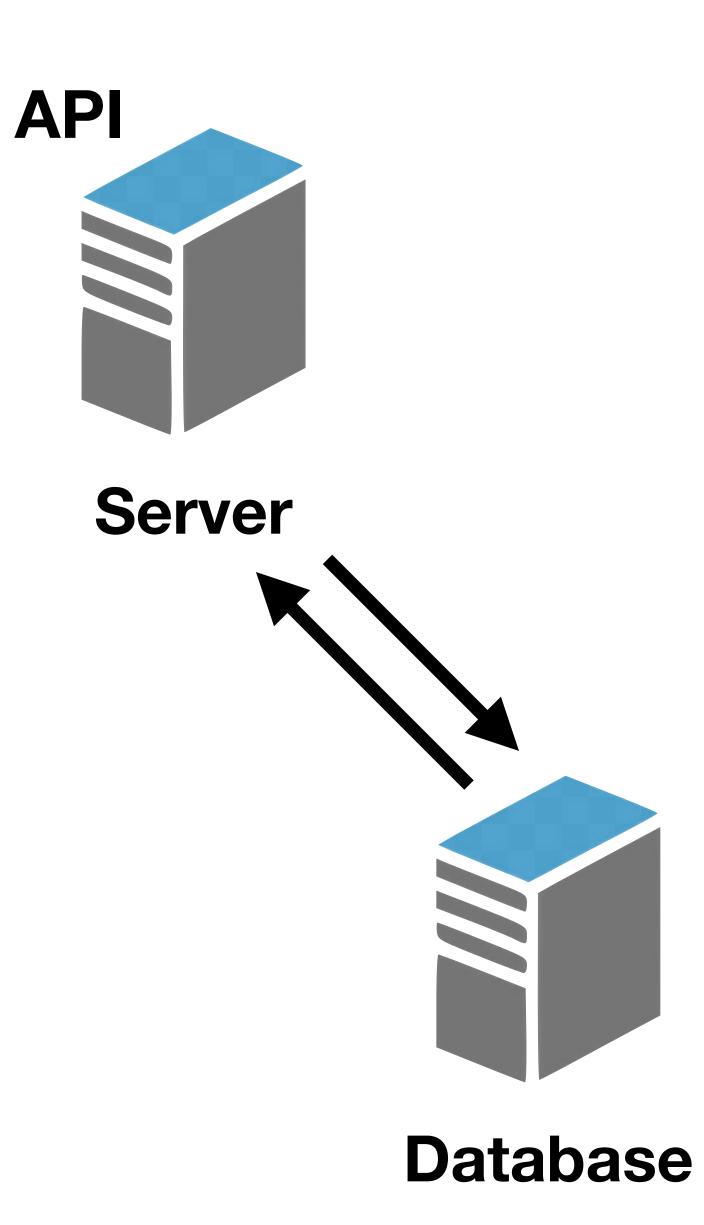
Browser











Why react

Modular & Reusable

Web apps

Single Page Application

IOS Apps

Componentlibraries

Android Apps

Javascript Refreshers

Defining Variables

variable_name = "hello world"

Const variableName = "hello world" Let variableName = "hello world"

```
Dictionary = {
   Key: value
}
```

List = [....]

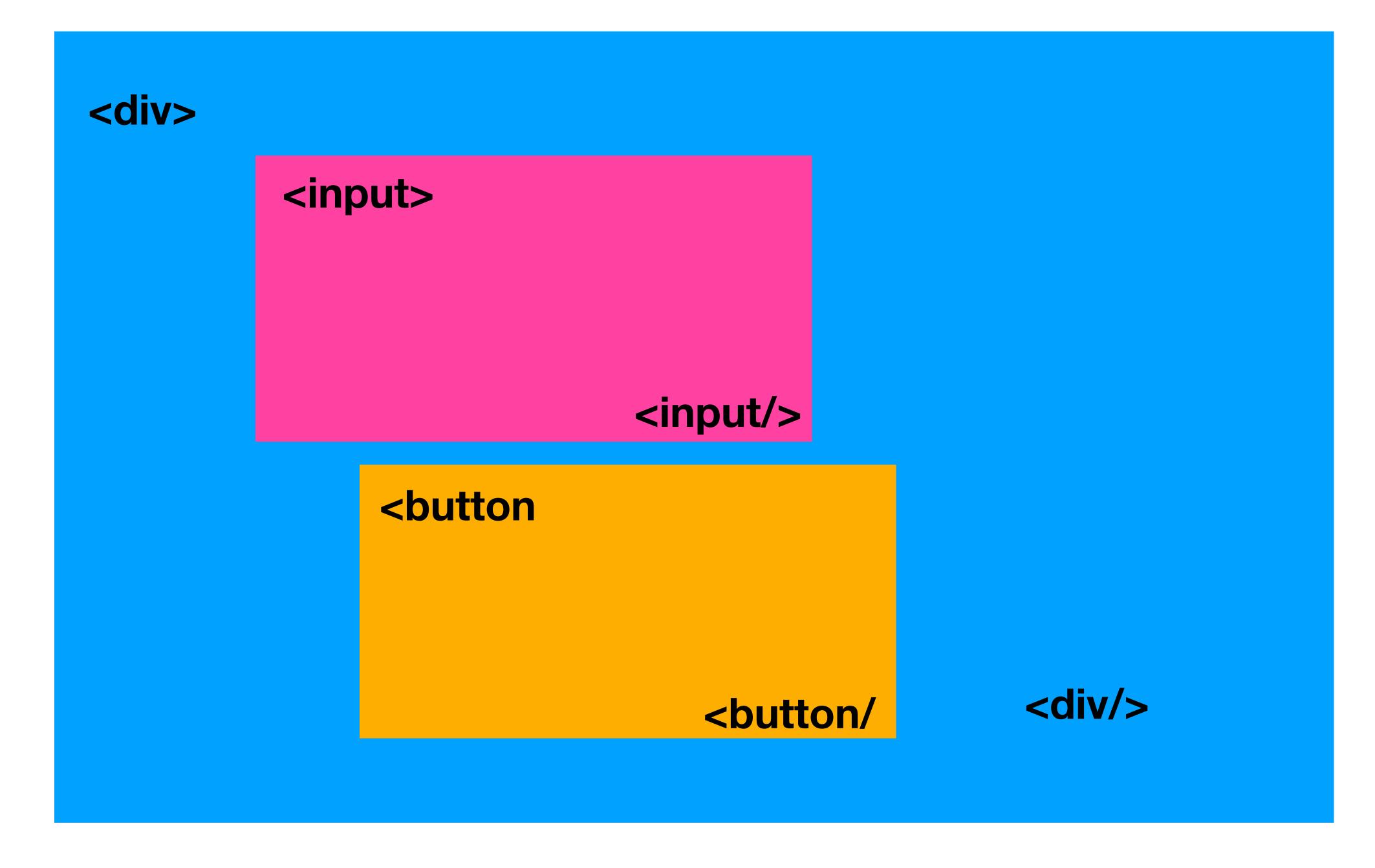
Const dictionary = {
 Key: value

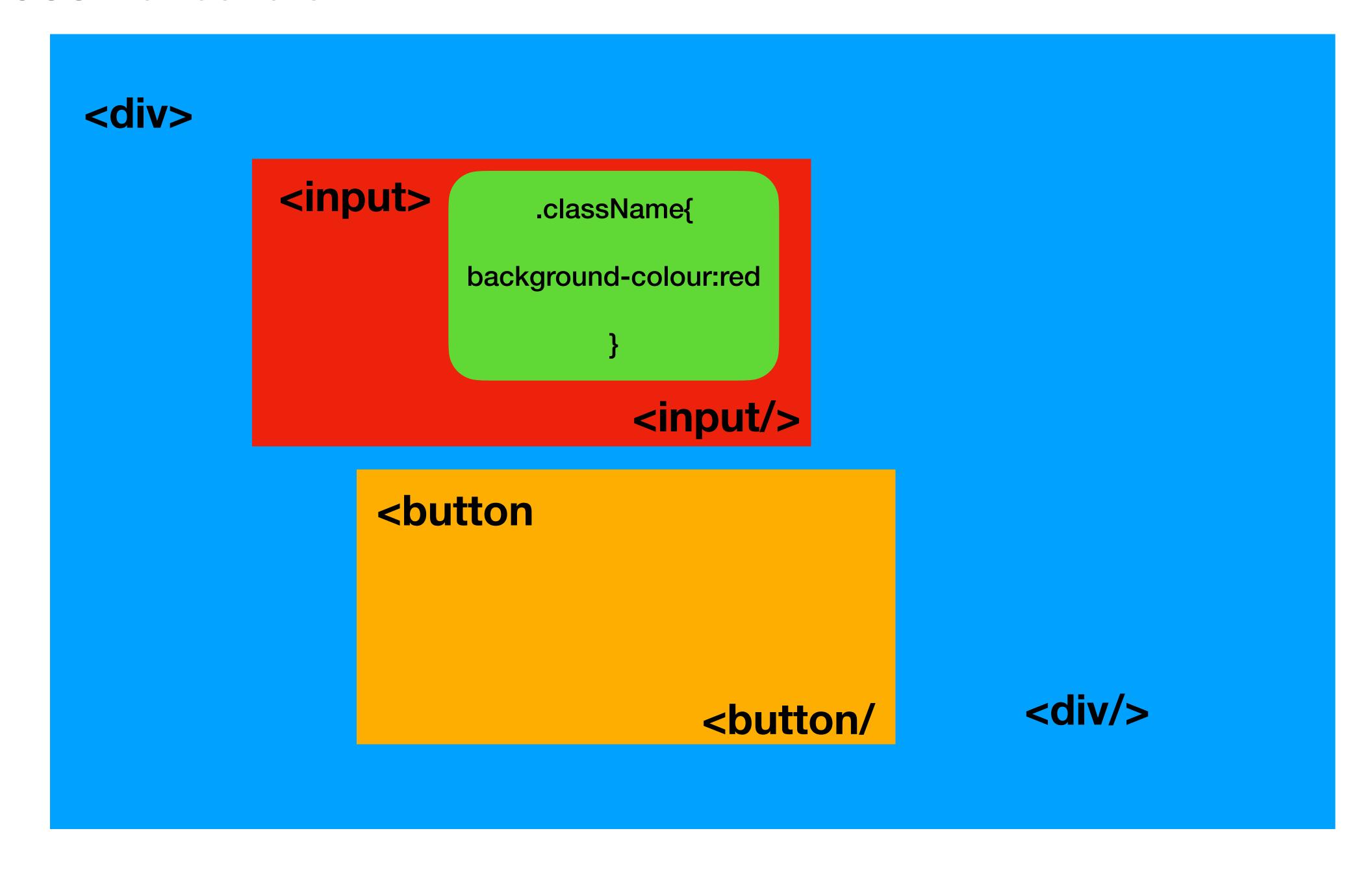
Const list = [....]

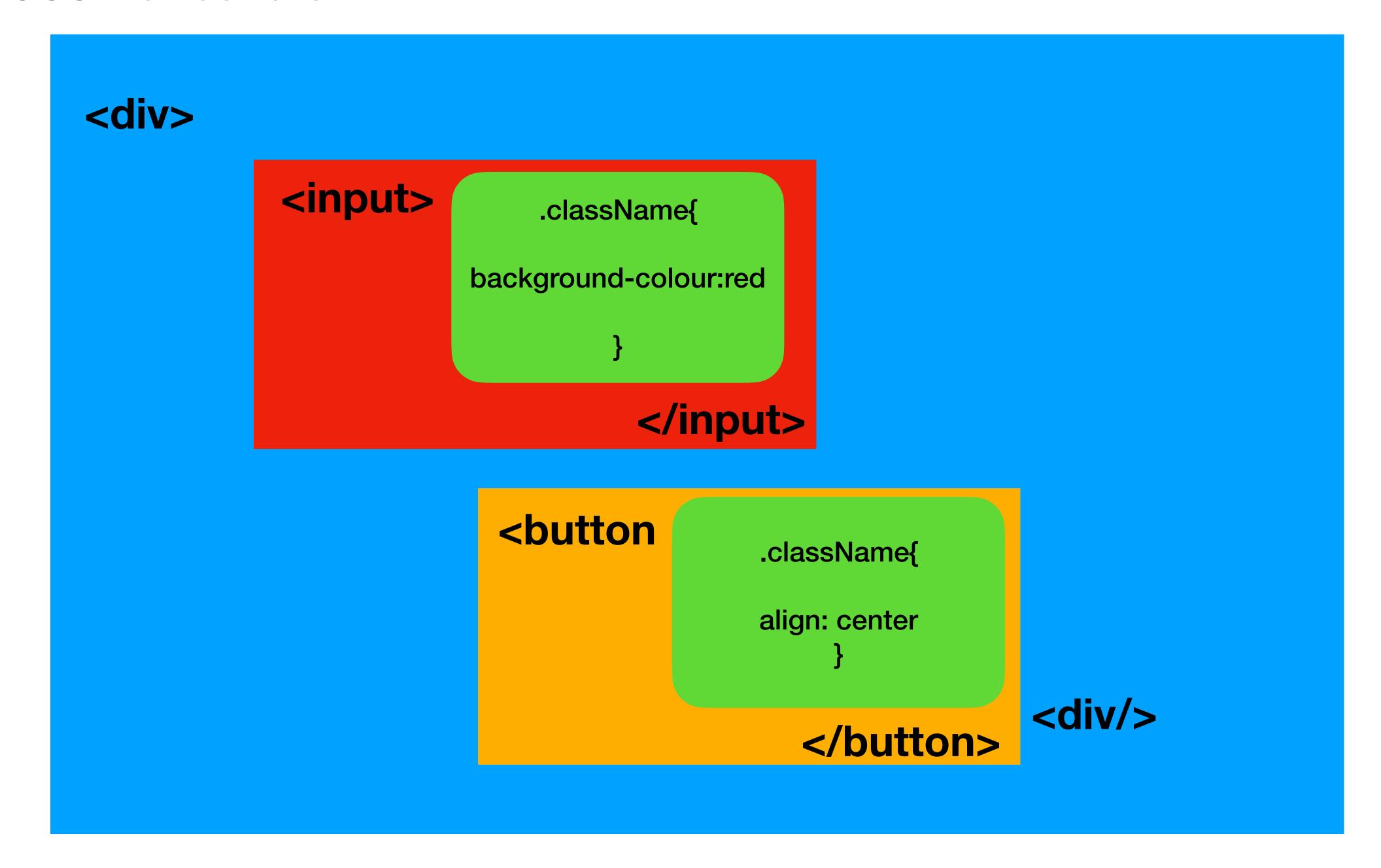
Javascript Refreshers

Caractipt		
Functions		Const functionName = (argument) => return()
Loops	For x in list: print(x)	<pre>list.map((x , index) => { console.log(x) })</pre>









Browser

Components

Components

Function Props→ Components → JSX

OBJECT Arrays Functions

Function

Props -- Components --> JSX

HTML in javascript

OBJECT Arrays Functions

Function

Props -- Components --> JSX

HTML in javascript

Browser

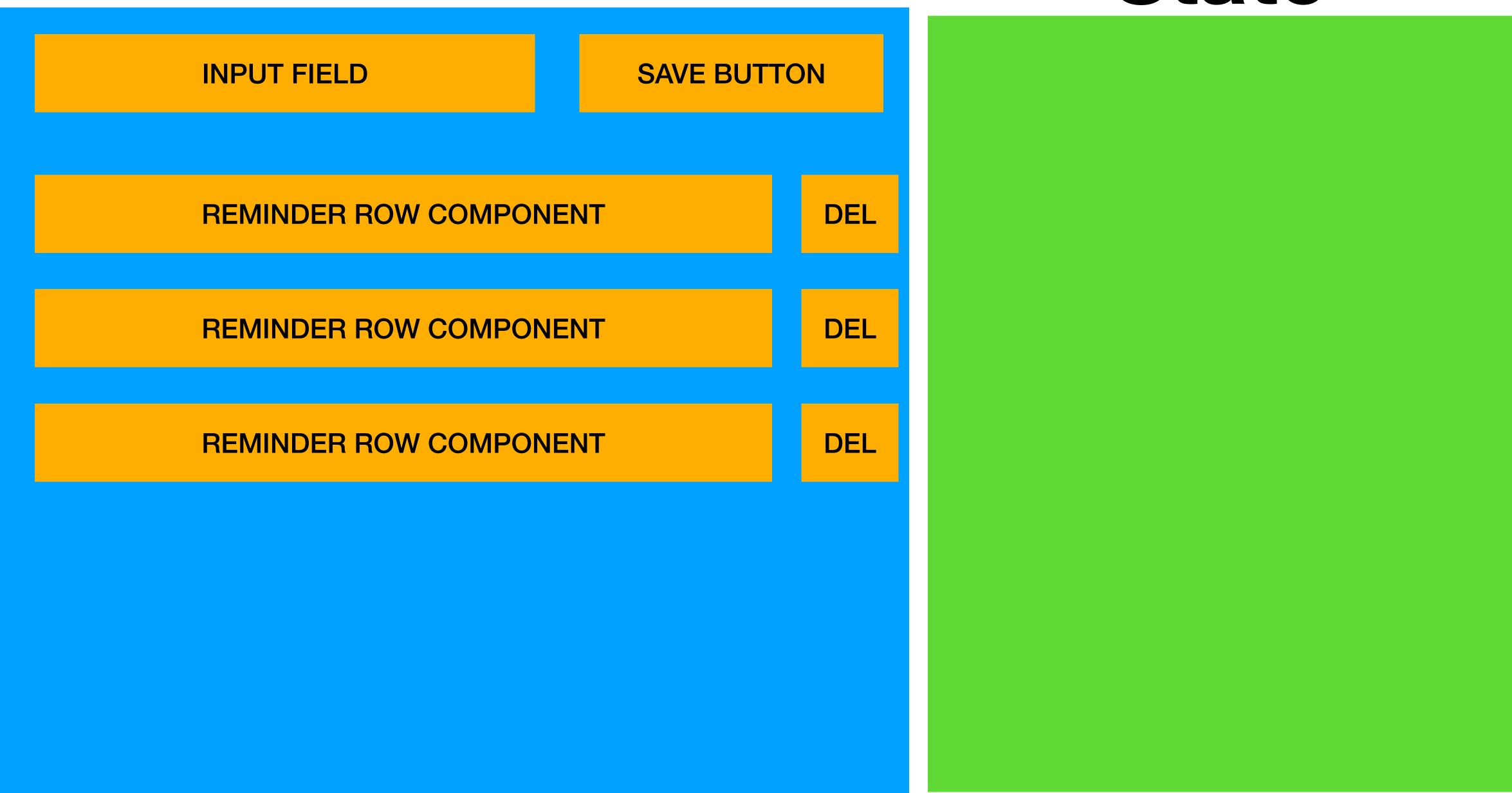


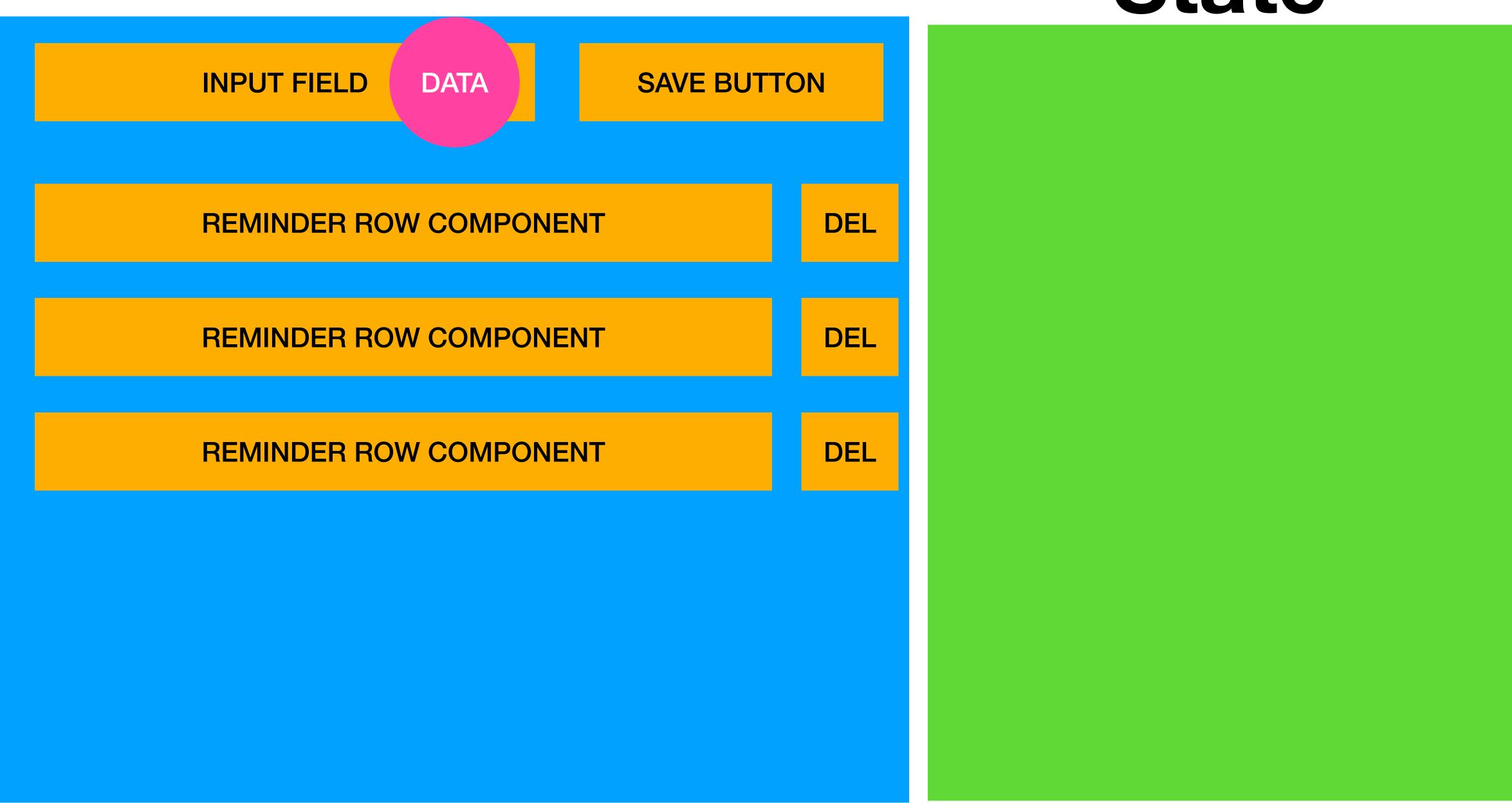
State

Components

Components

TEMP STORAGE

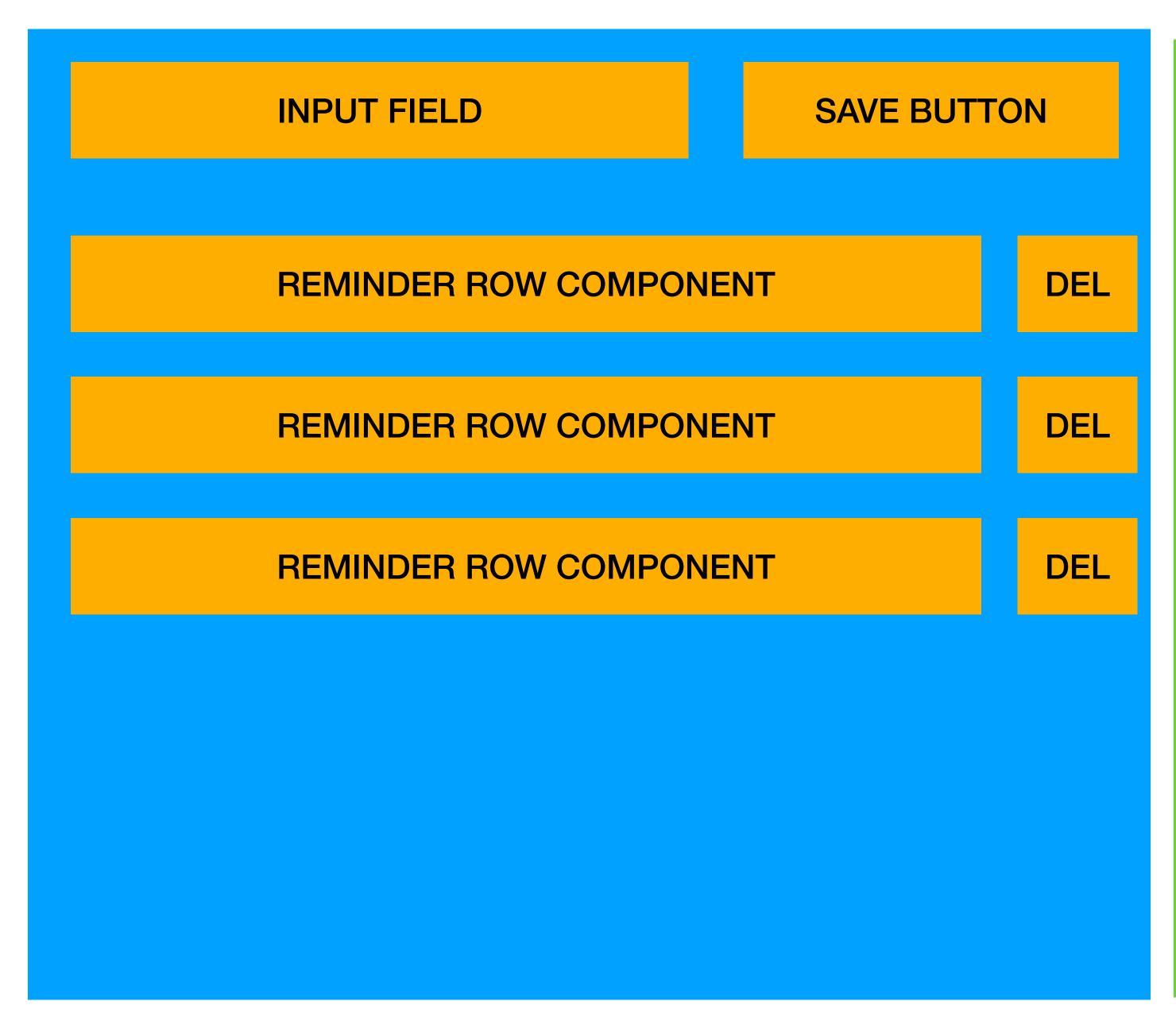


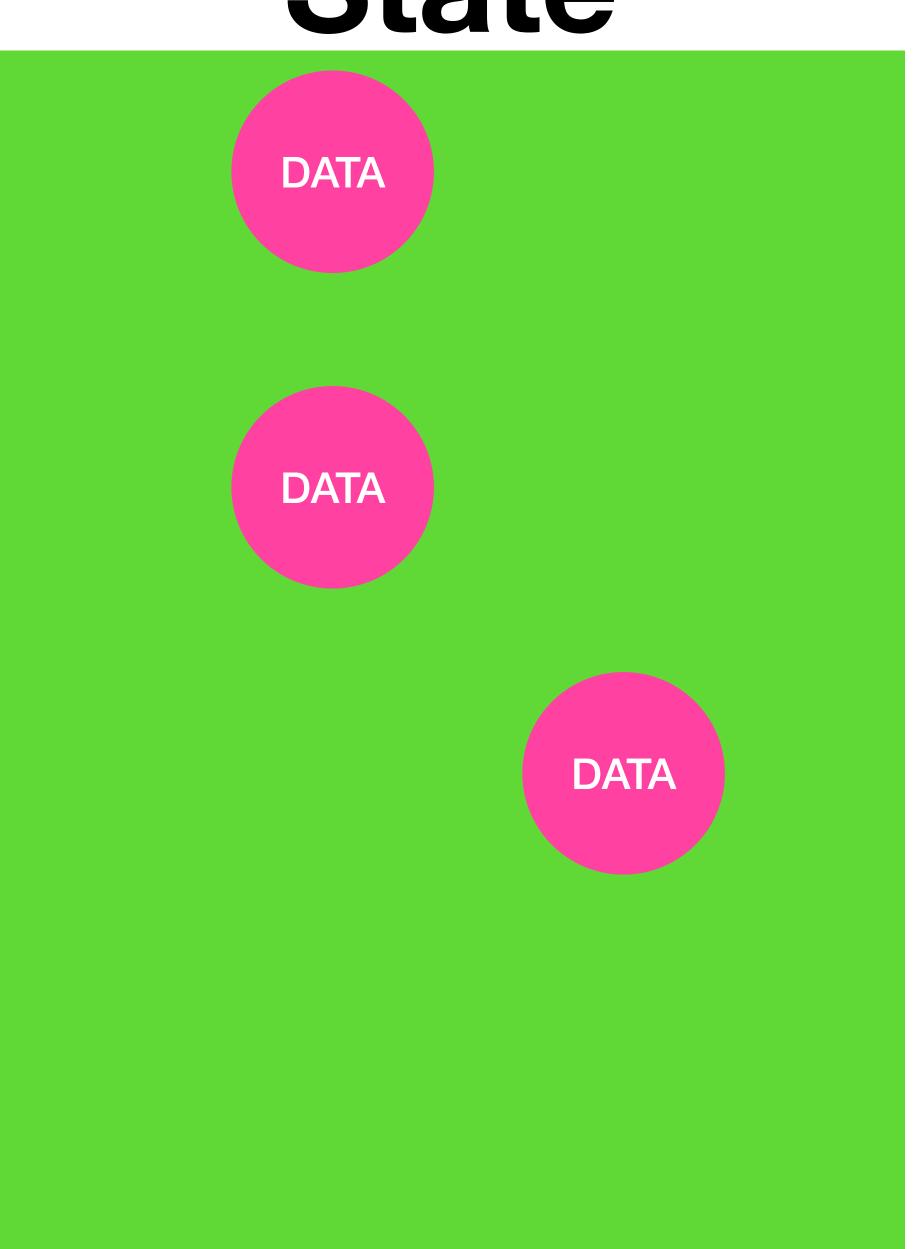


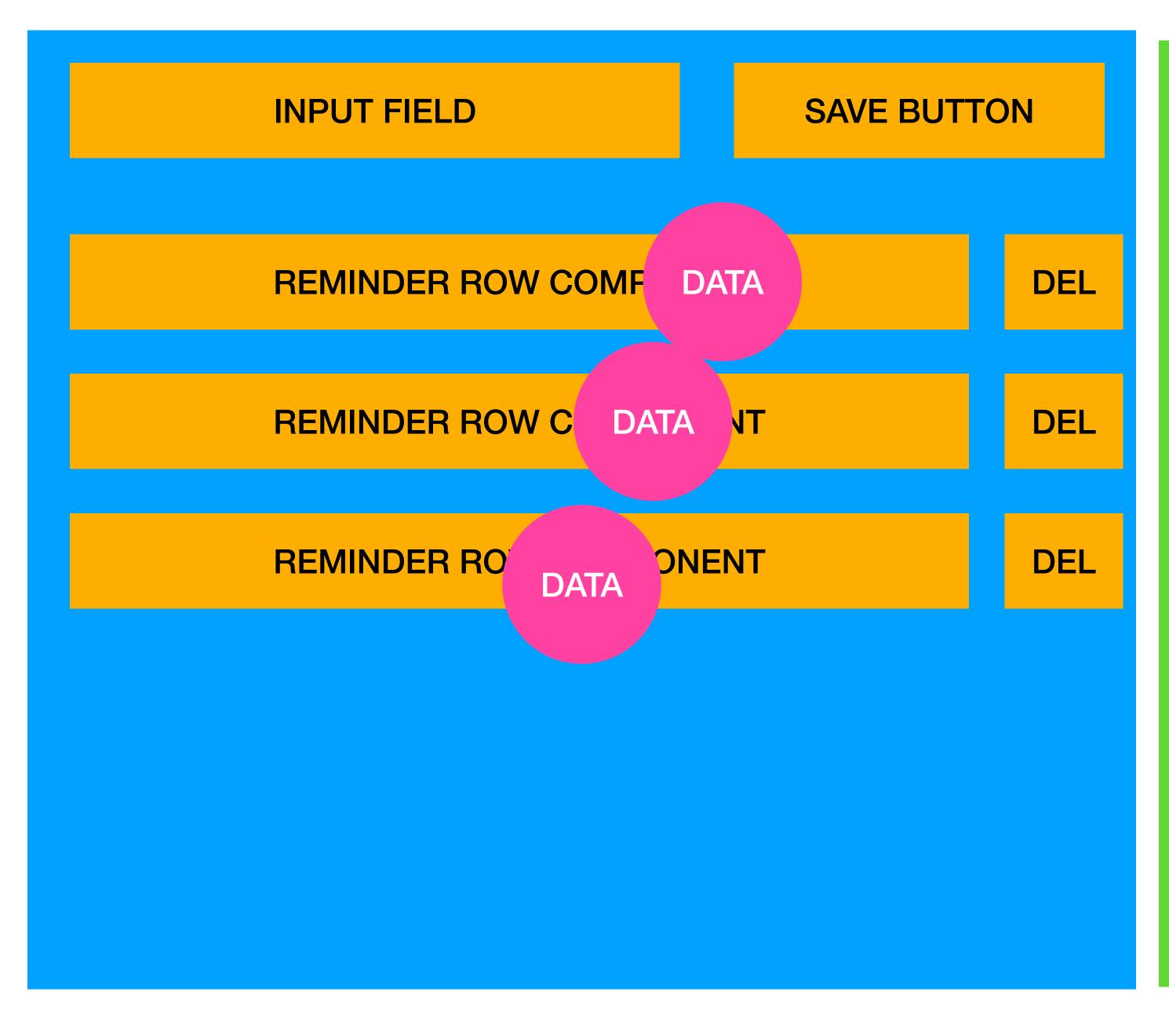
SAVE BUTTON INPUT FIELD DEL REMINDER ROW COMPONENT DEL REMINDER ROW COMPONENT DEL REMINDER ROW COMPONENT

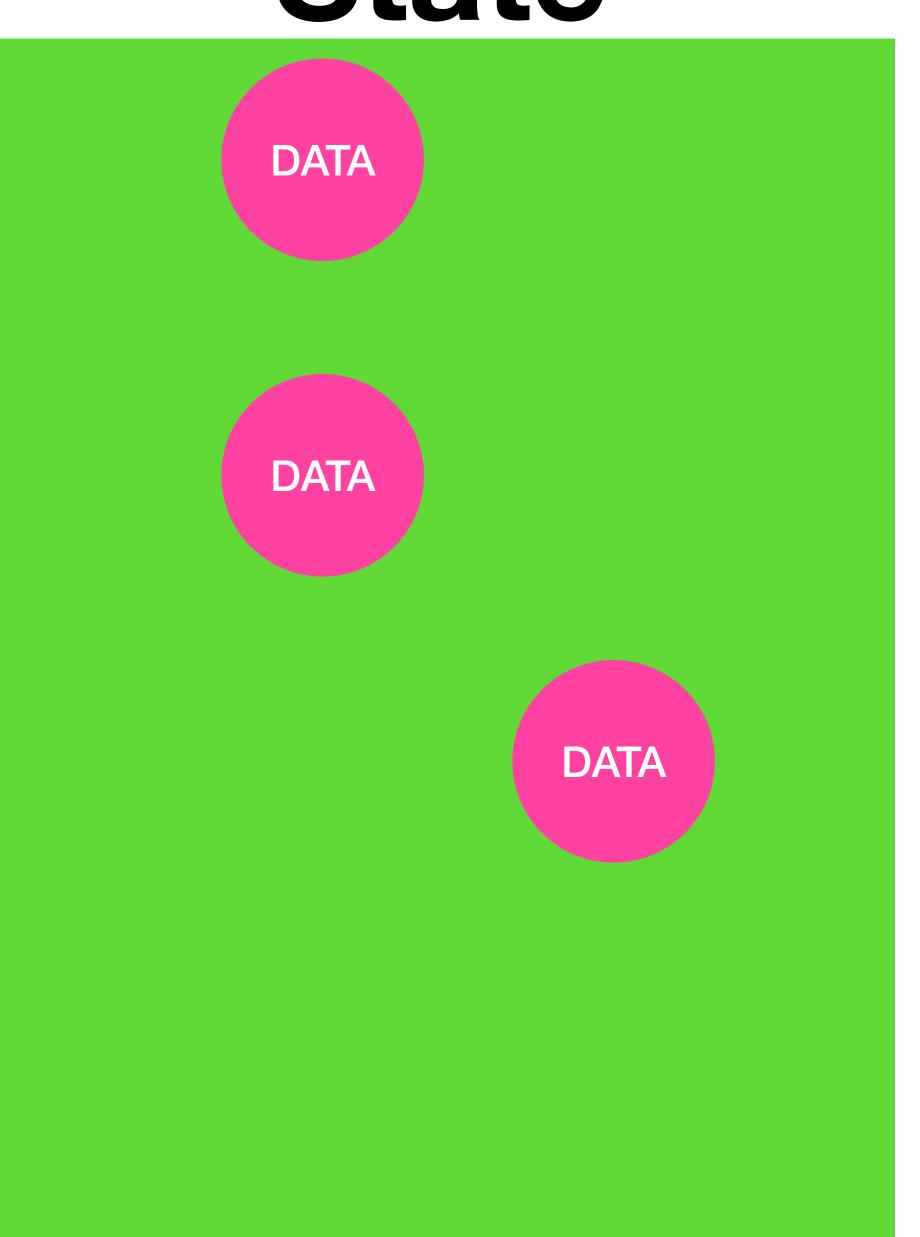


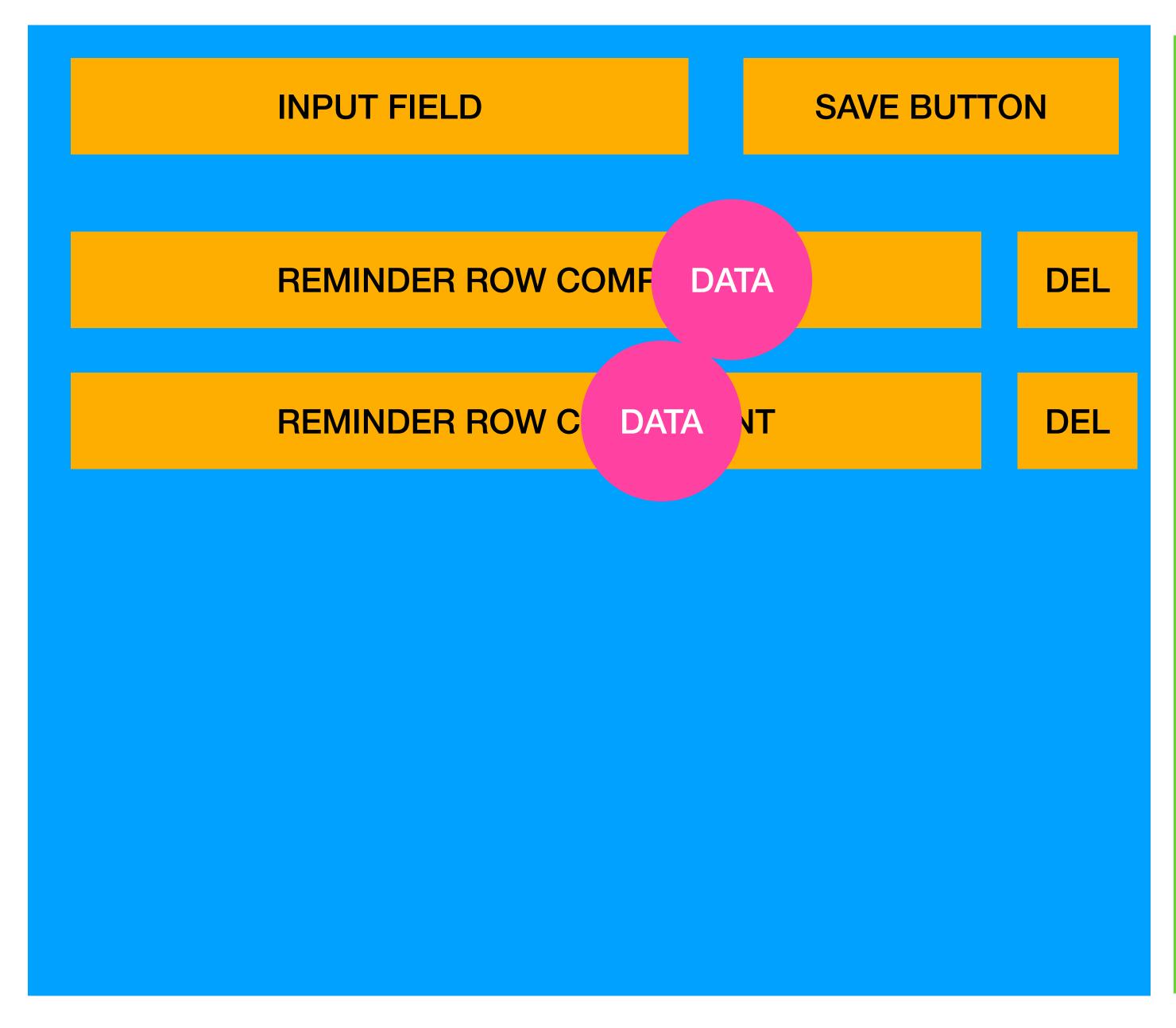


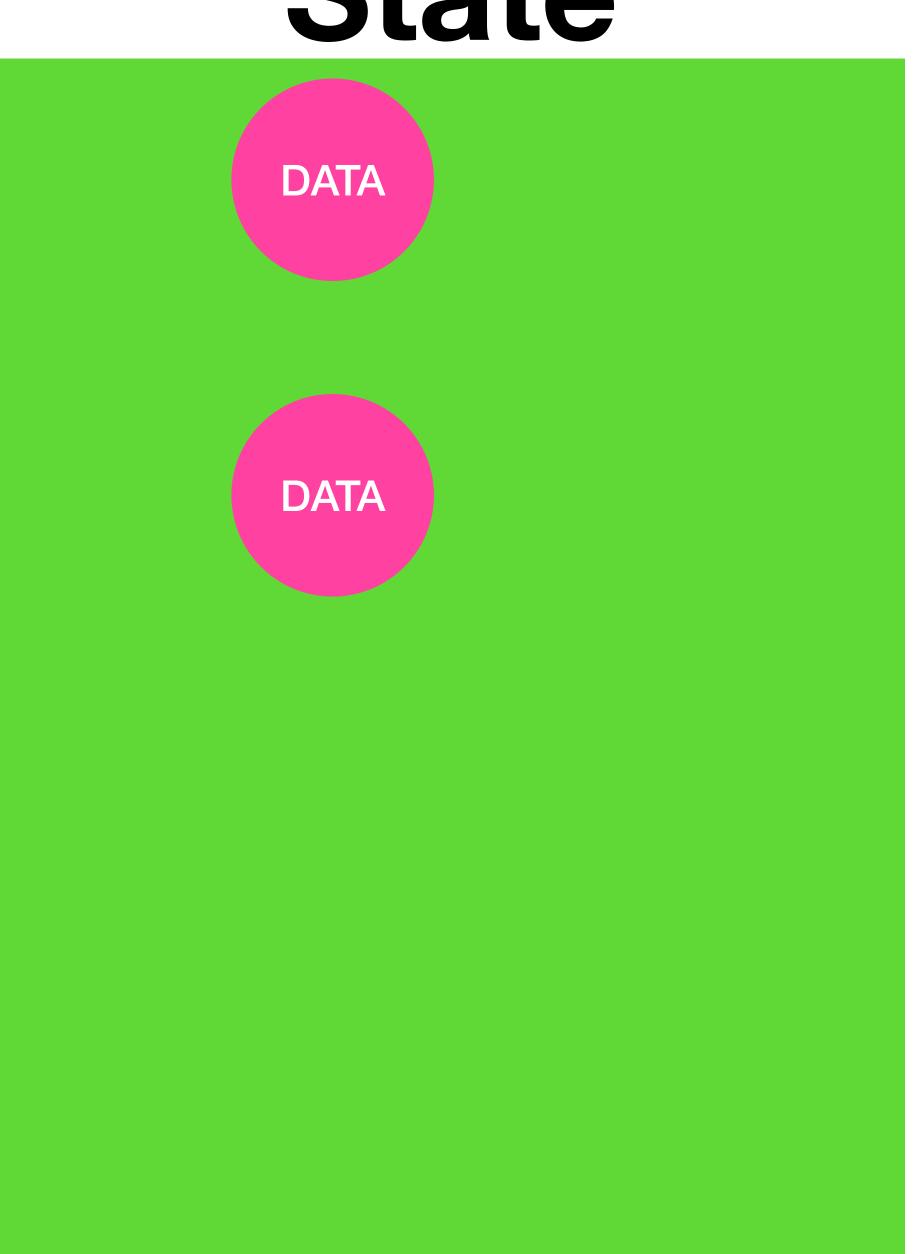


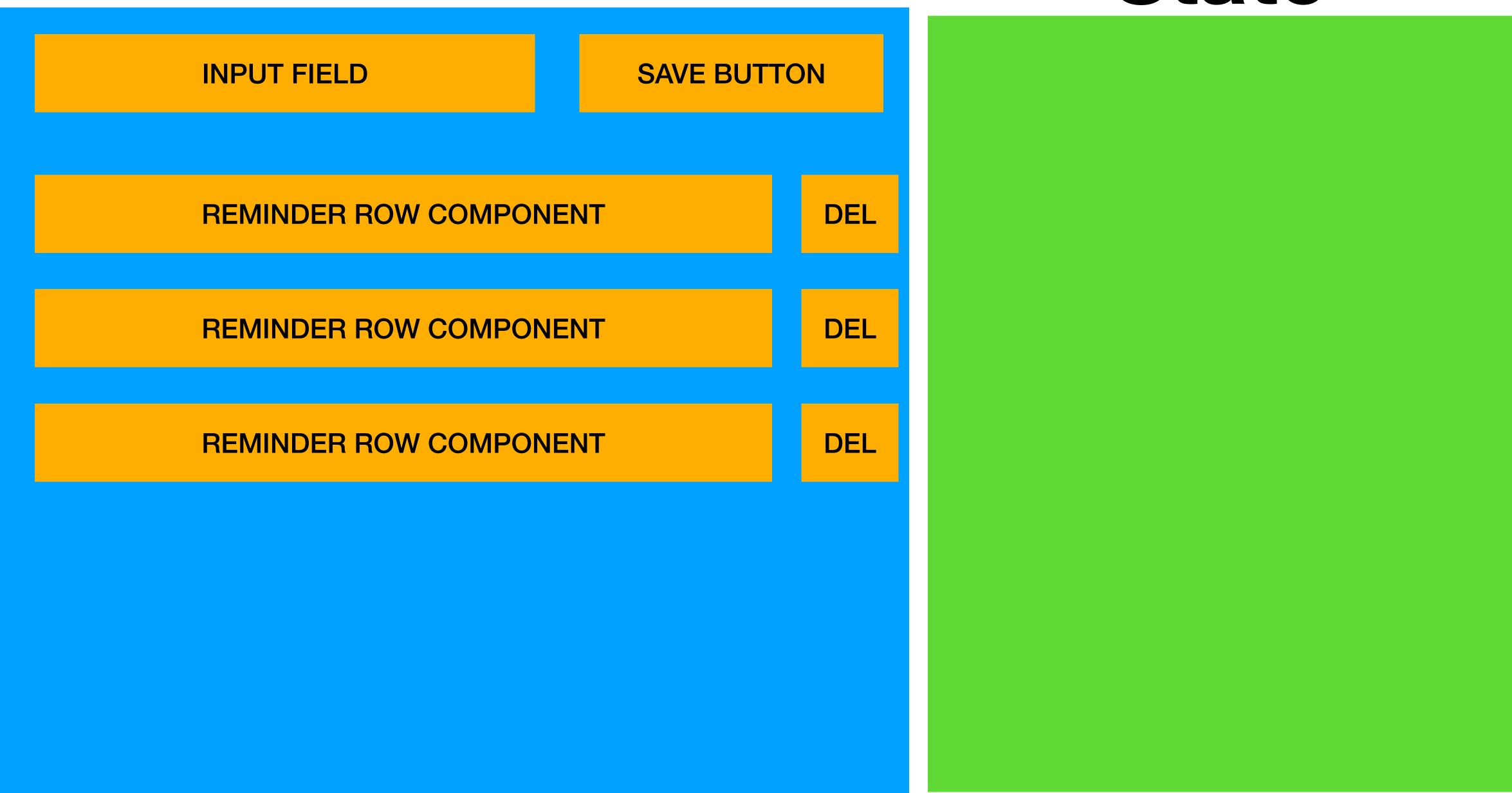


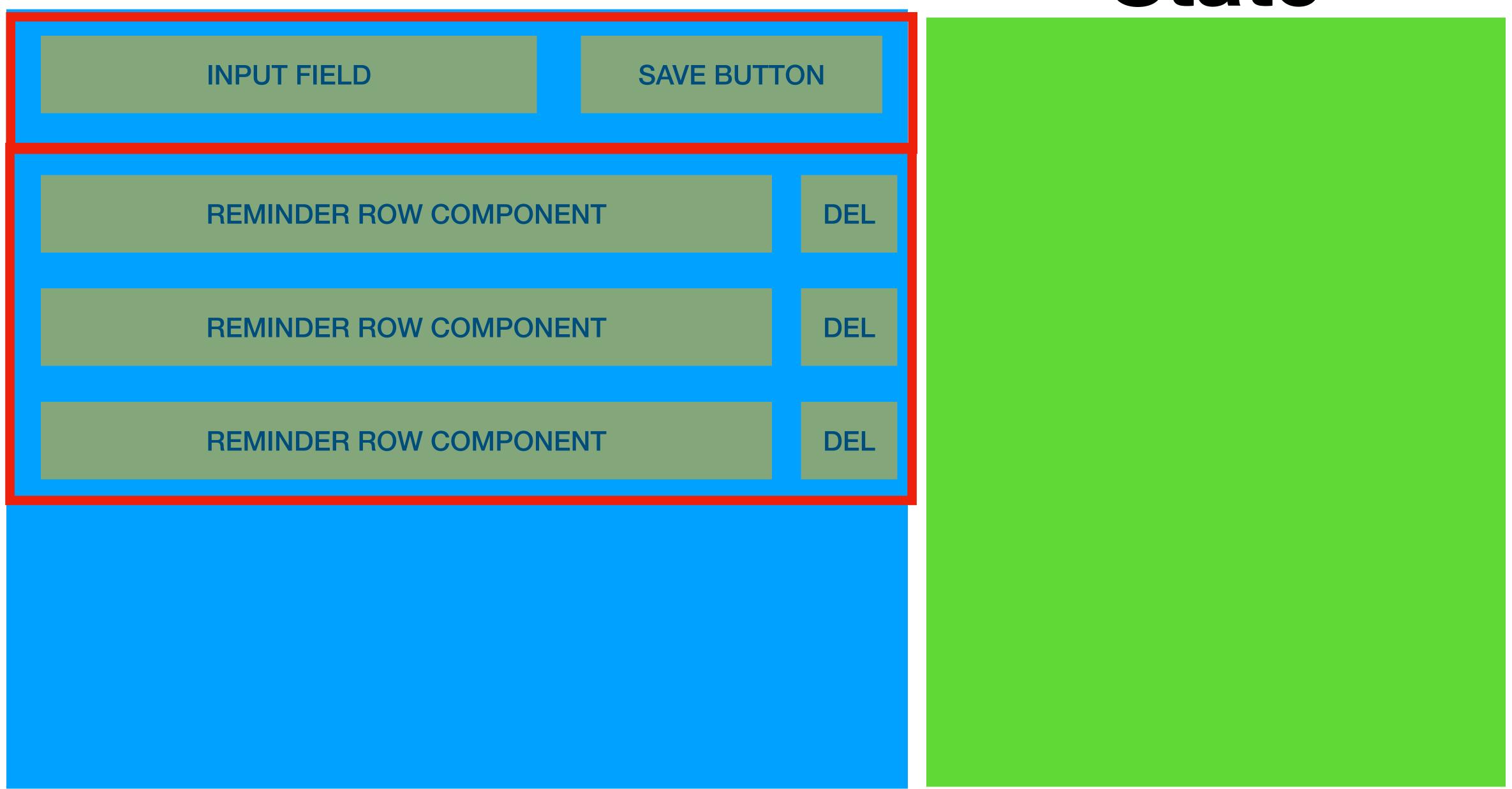


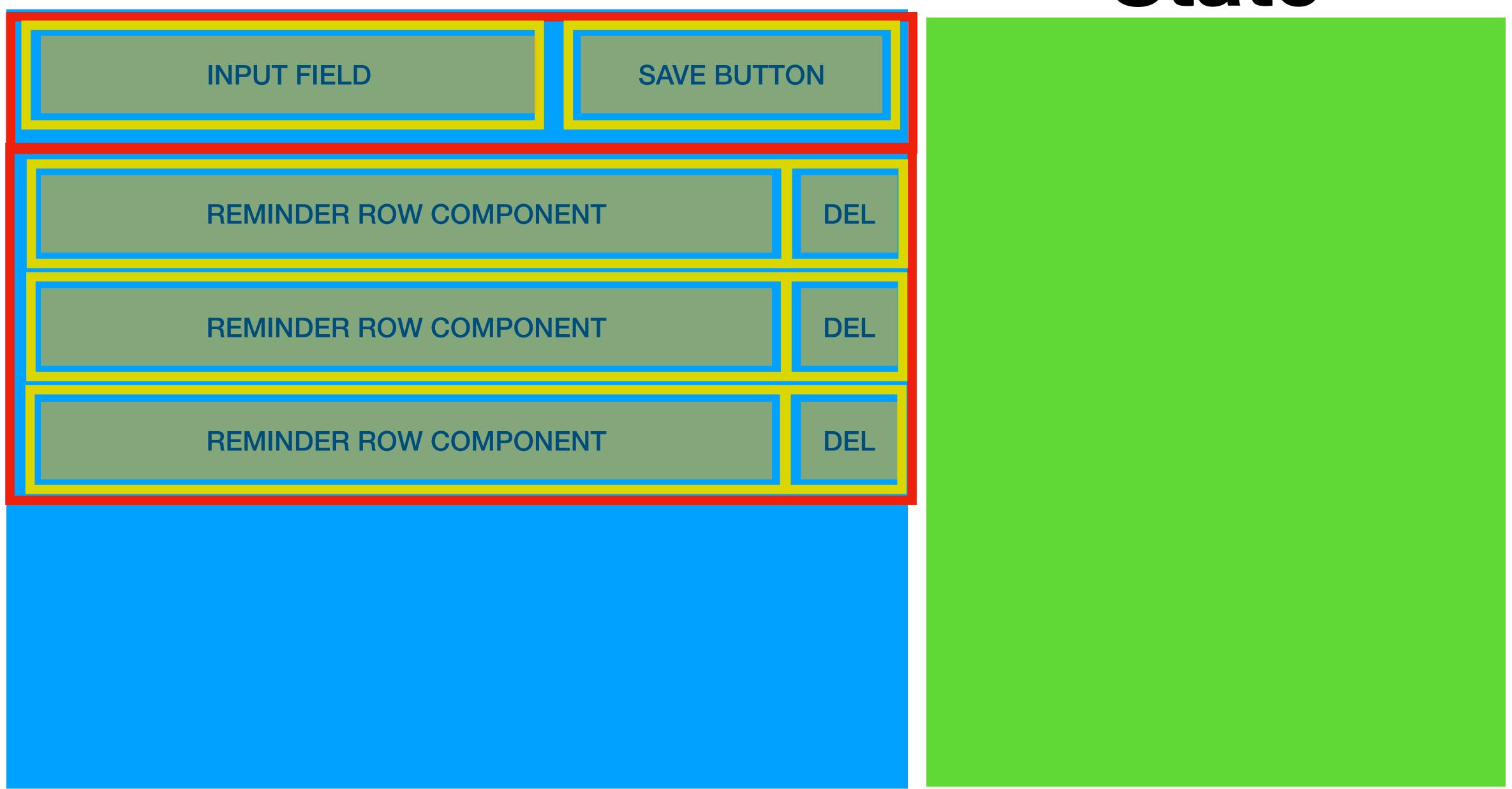


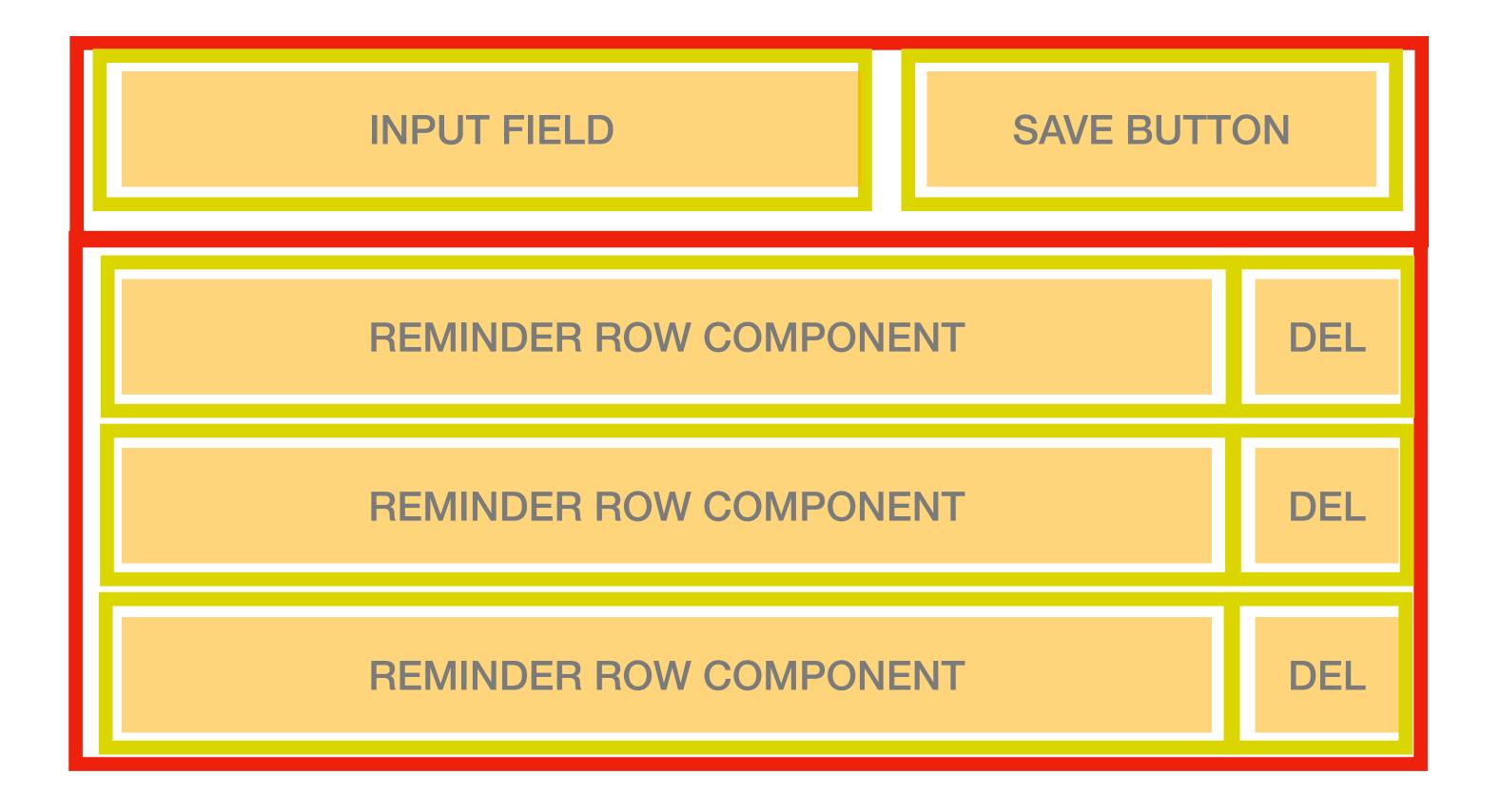




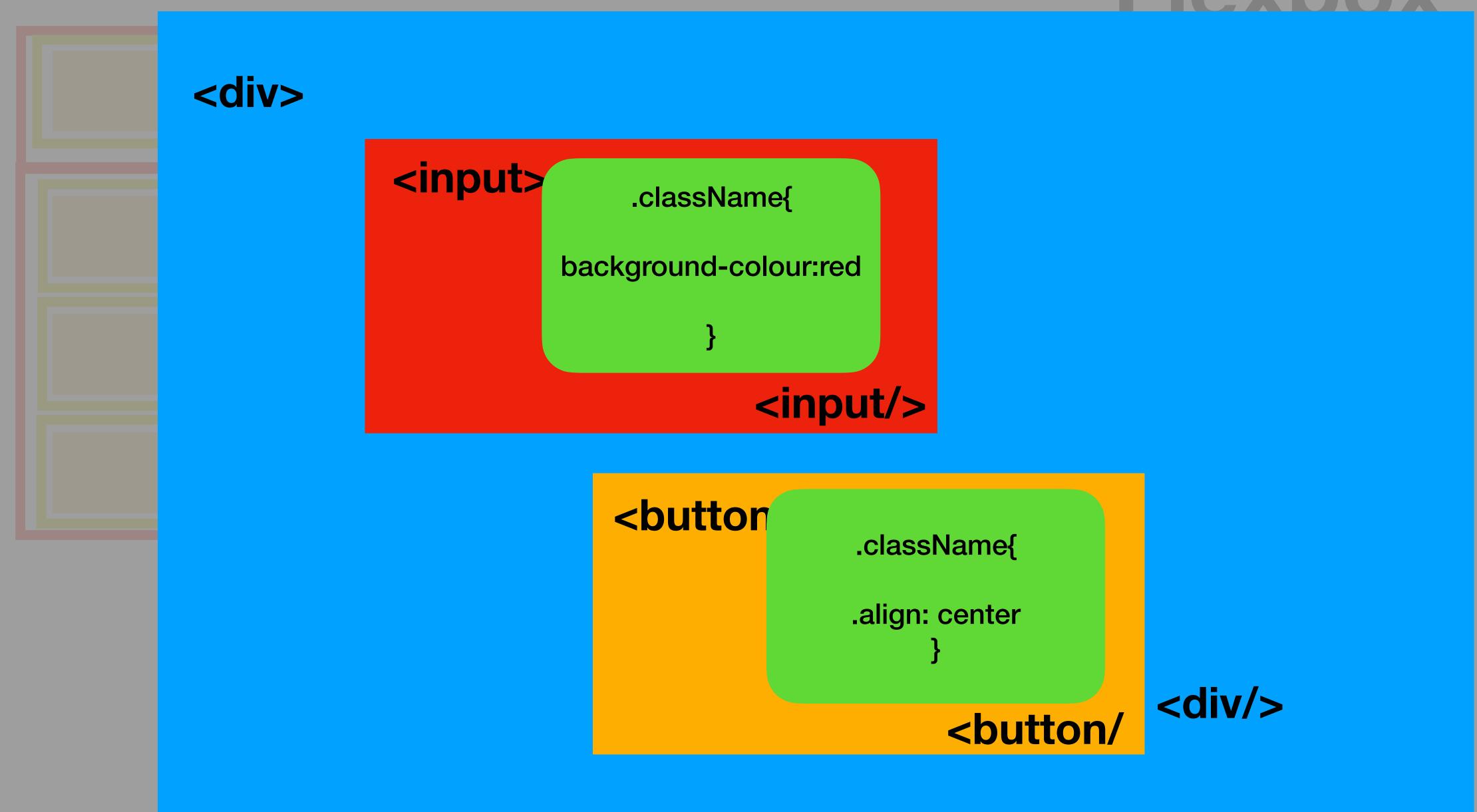








Flexbox



className = "mainContainer"





```
.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
```

Things to explore

REACT

React lifecycles
React Browser Router
Class based components
Redux / React context

Component libraries

- antd

MOBILE

React Native with expo

BACKEND

NodeJS Express

- API
- Middleware
- Managing sessions
- Account system

Bryce - telegram @brycerice