

Dev Env



tsc
(compiler)



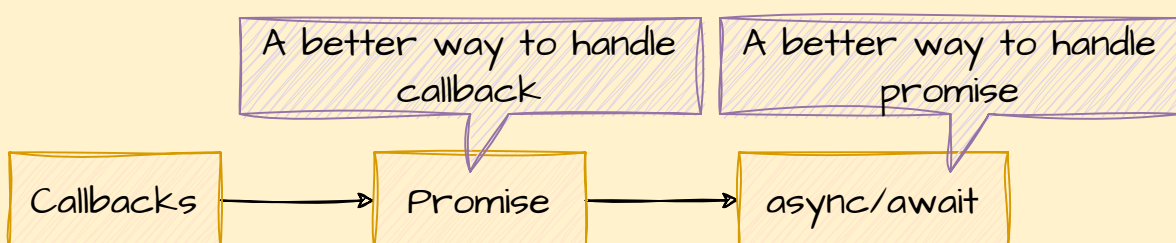
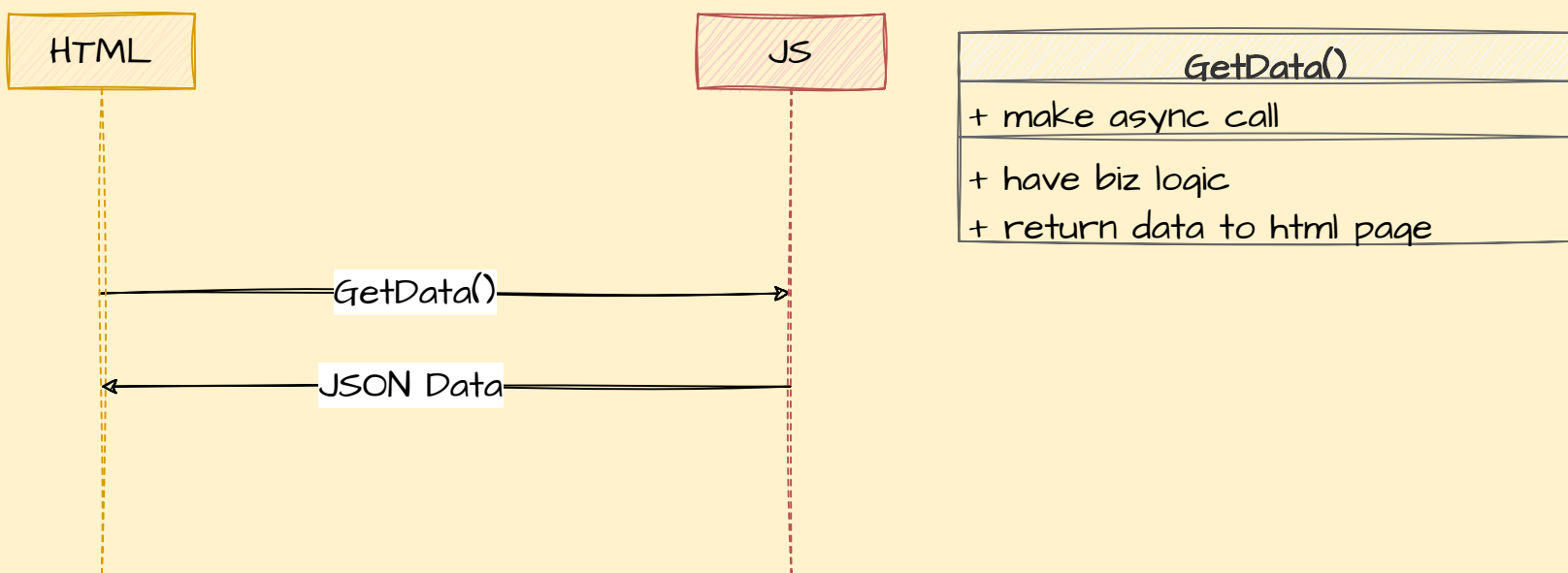
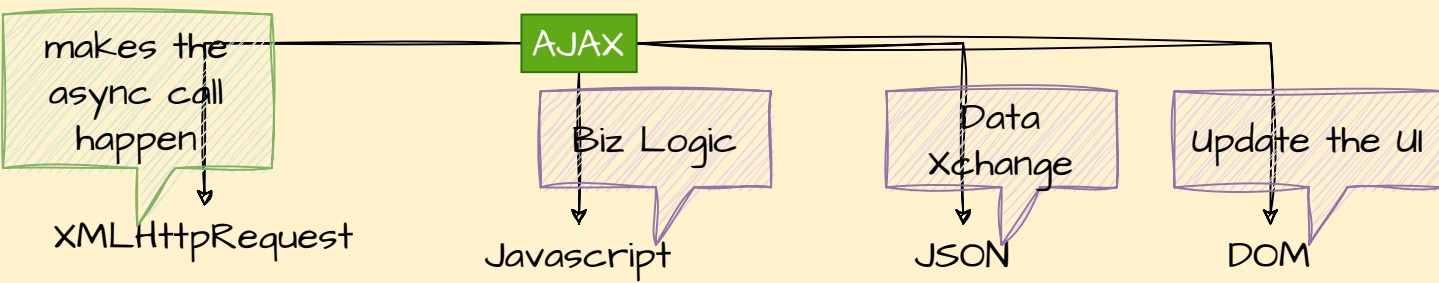
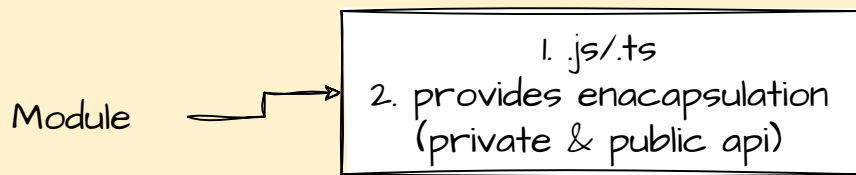
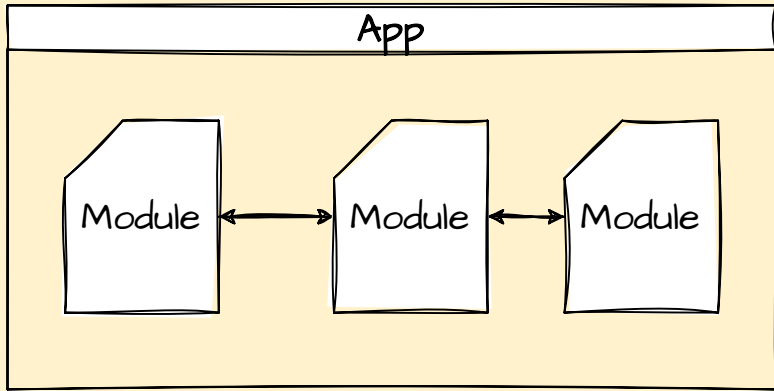
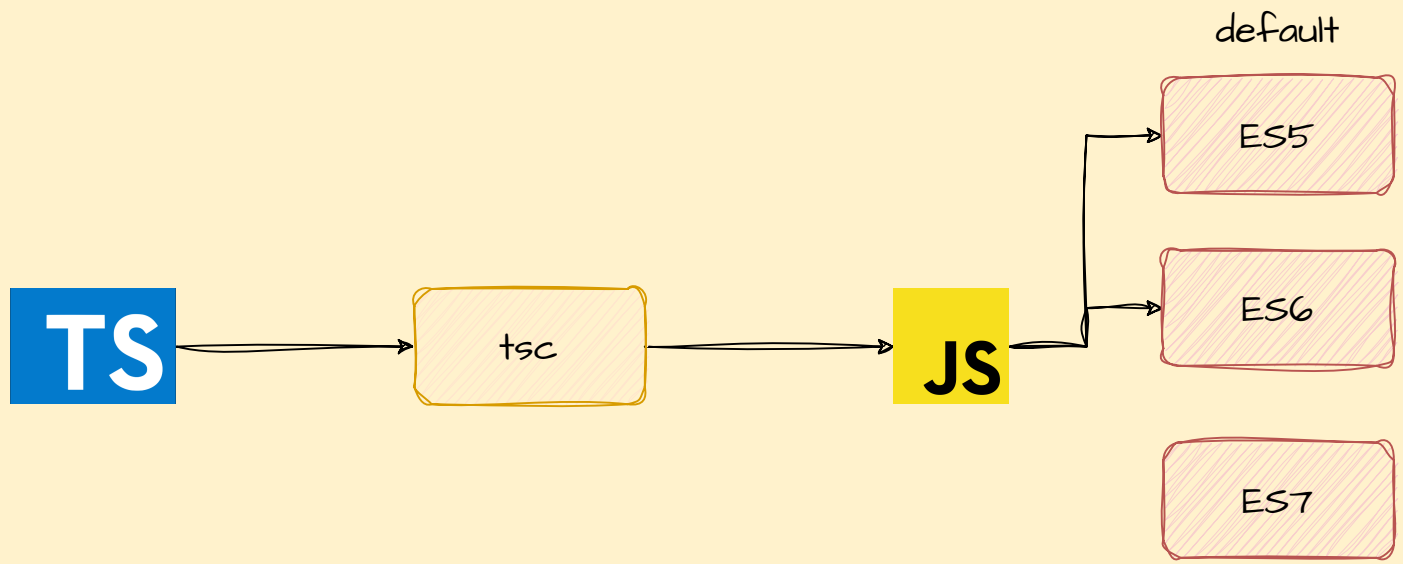
npm i typescript -g



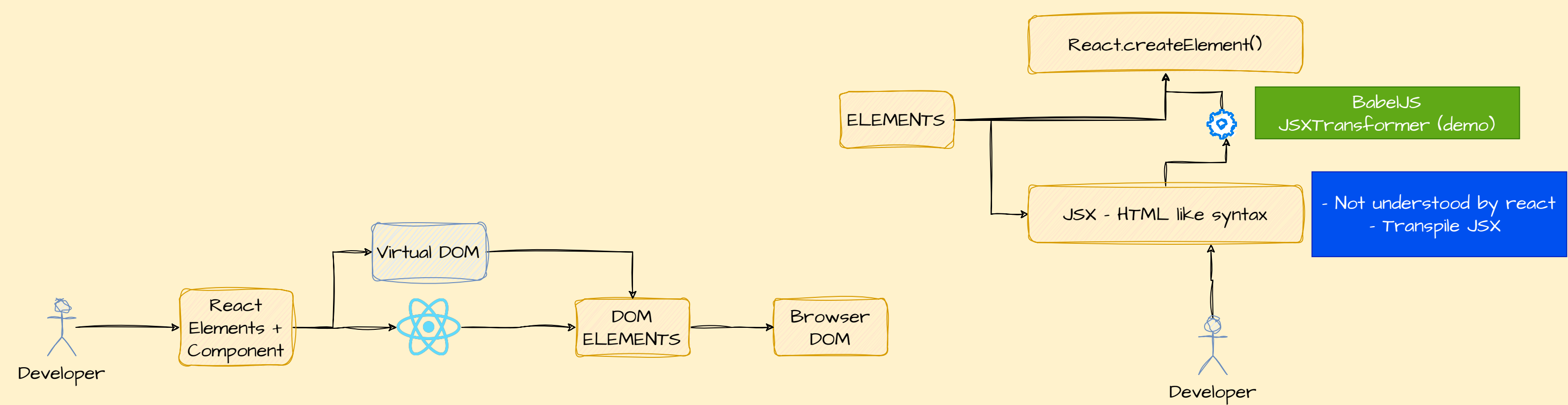
Runtime Env

Browser





React
- A JS library
- JSX
- Virtual DOM
- Components for UI



Components
Reusable (UI + Biz logic)
Composable
Maintenable
Configurable
Modular
Testable

npm i create-react-app -g
 create-react-app nameofapp --template typescript

}

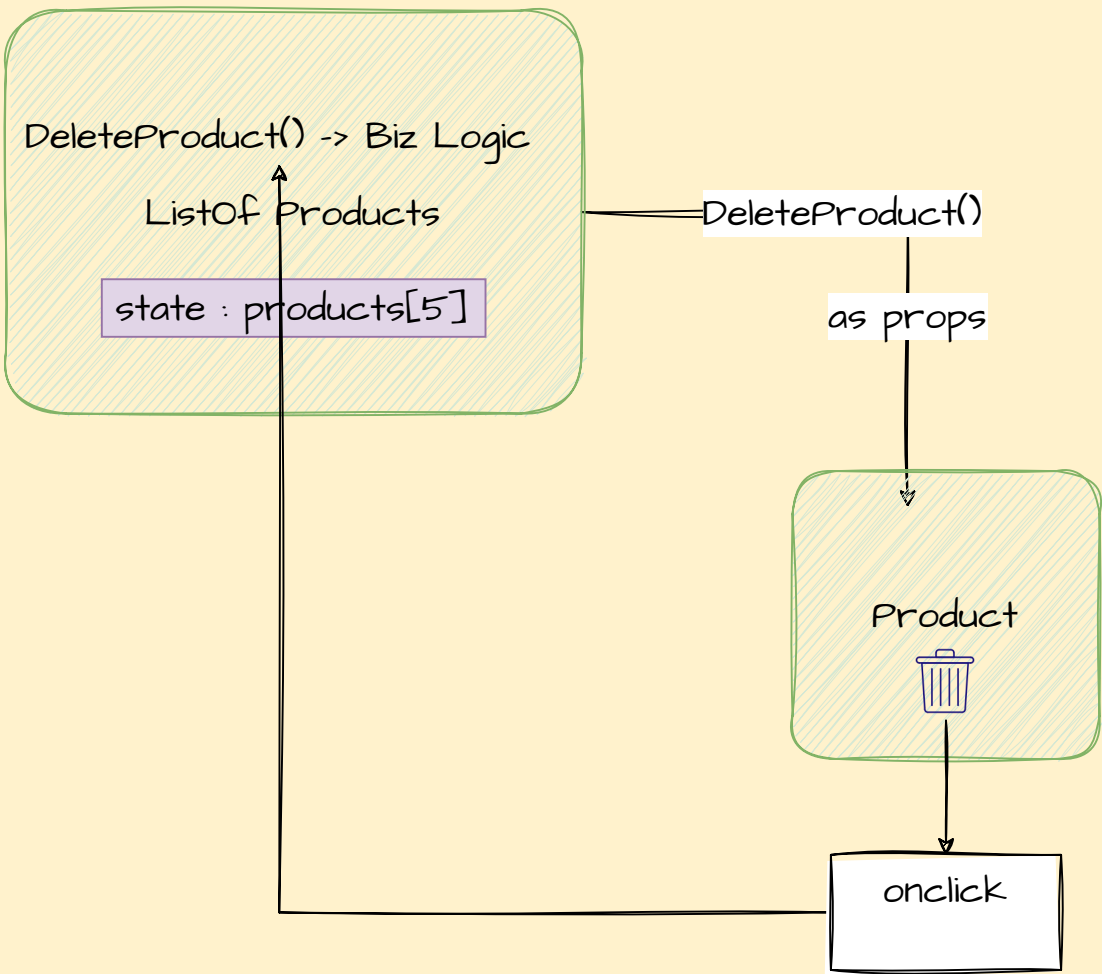
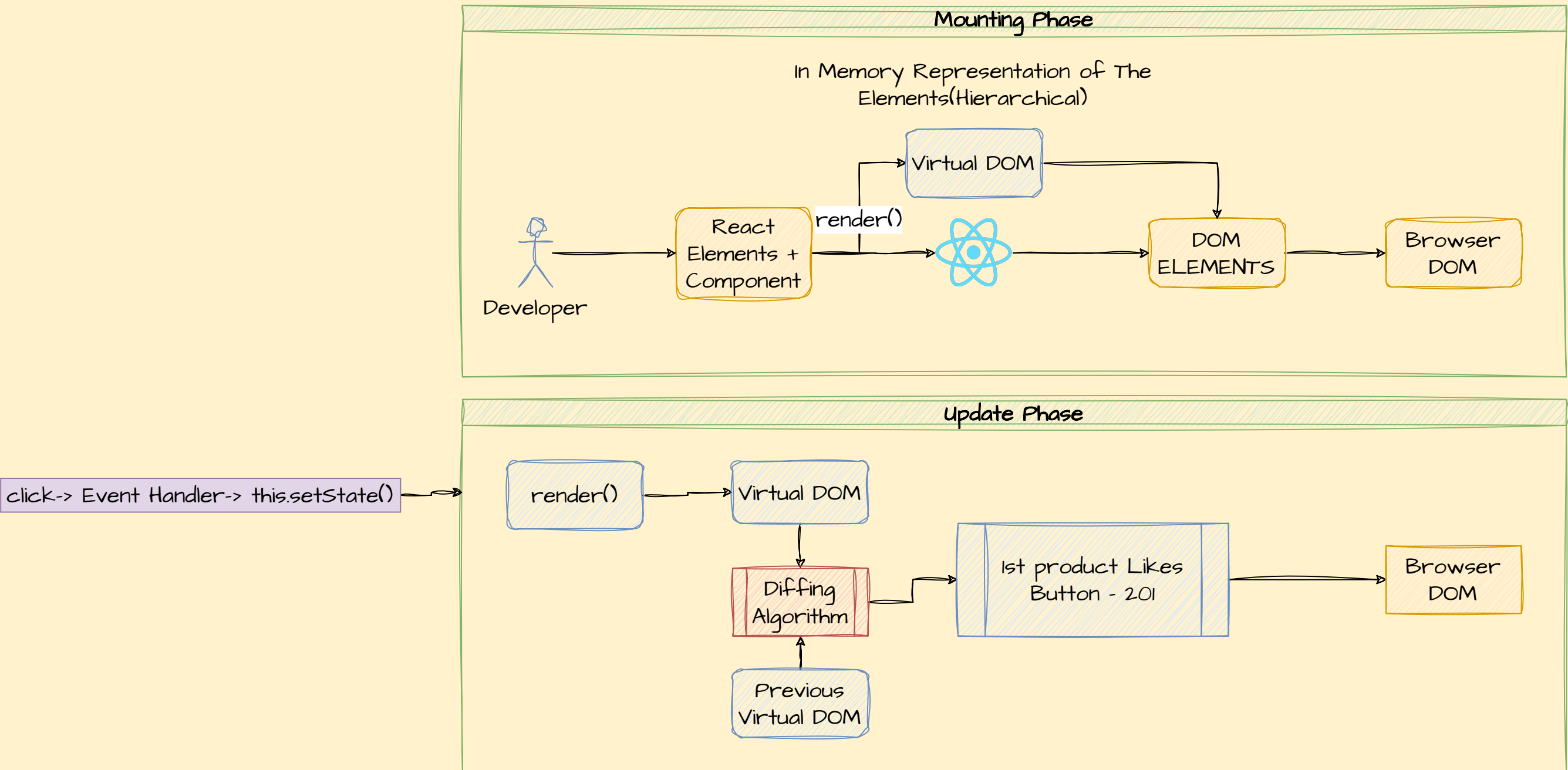
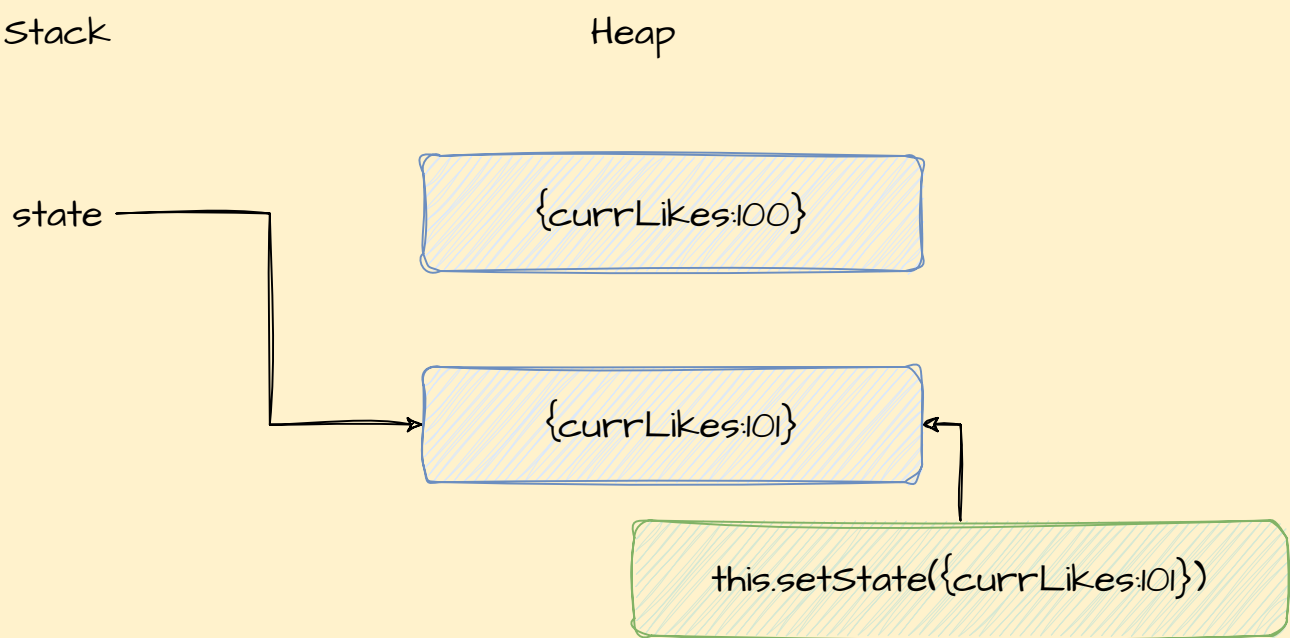
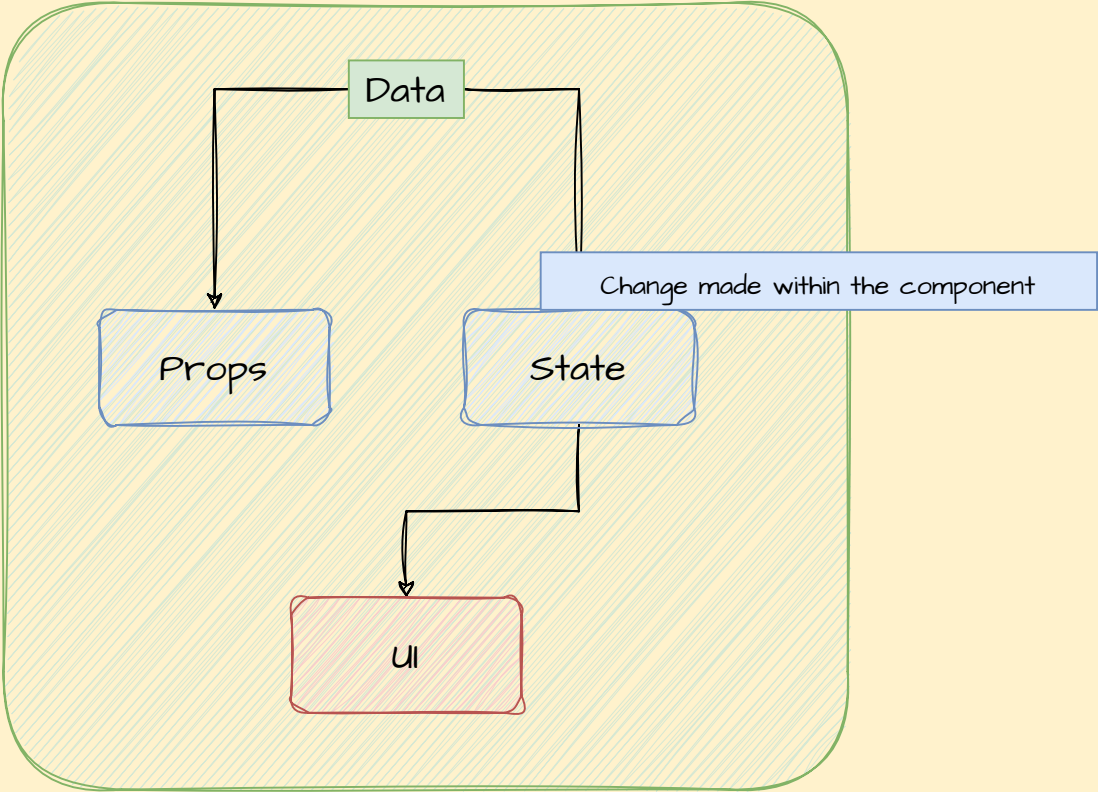
npx create-react-app my-first-app --template typescript



<input type="button ">

<input type="text ">

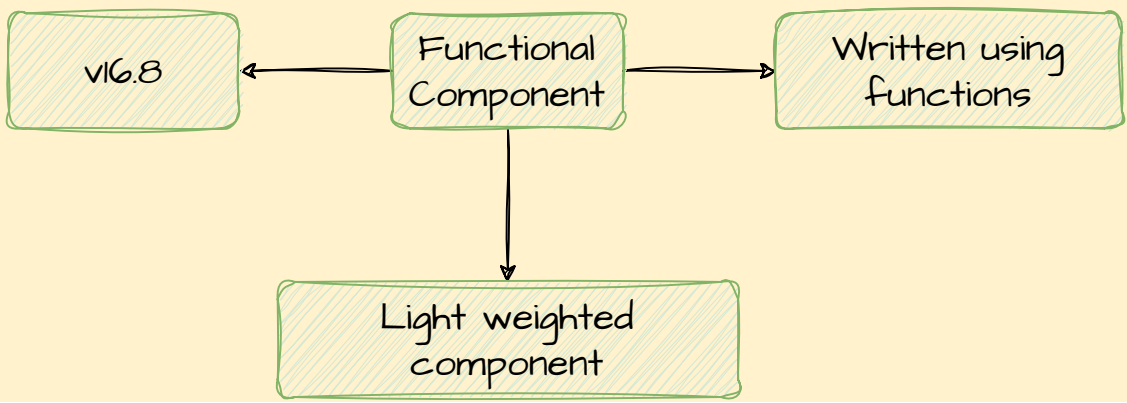
State -> Current values of attributes



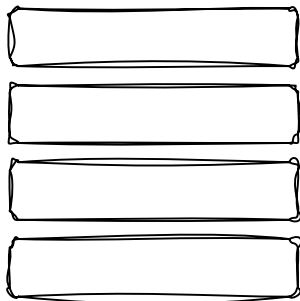
Mounting	
State	Key
[5]	1
	2
	3
	4
	5



Update Phase	
State	Key
[4]	1
	3
	4
	5

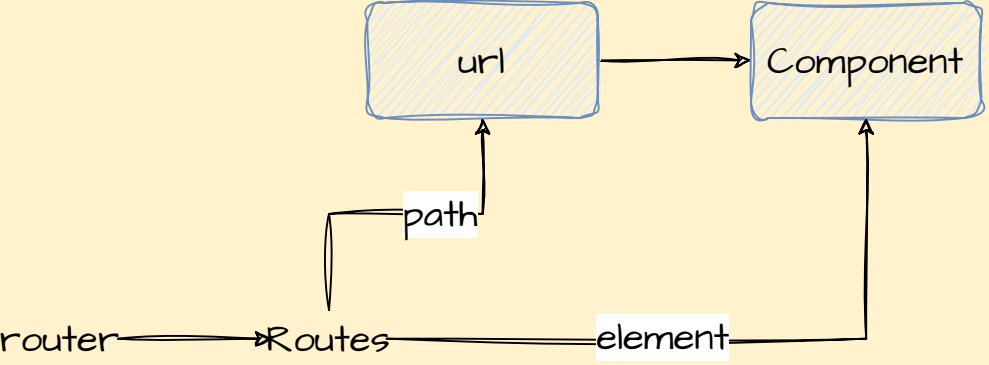


NewProduct



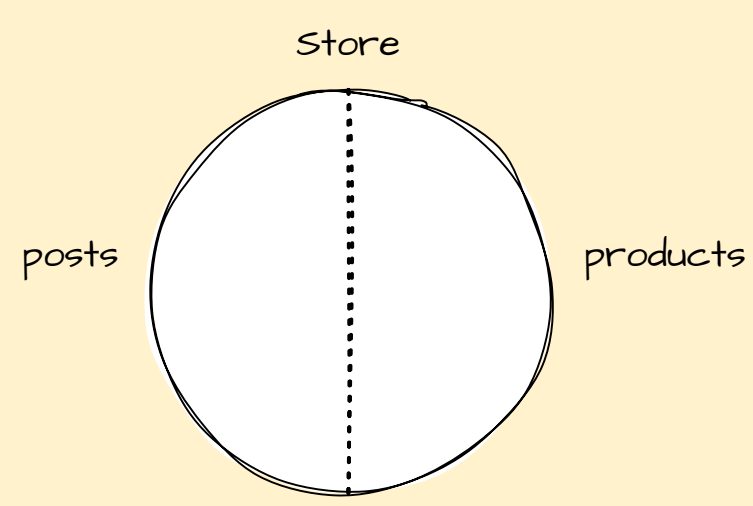
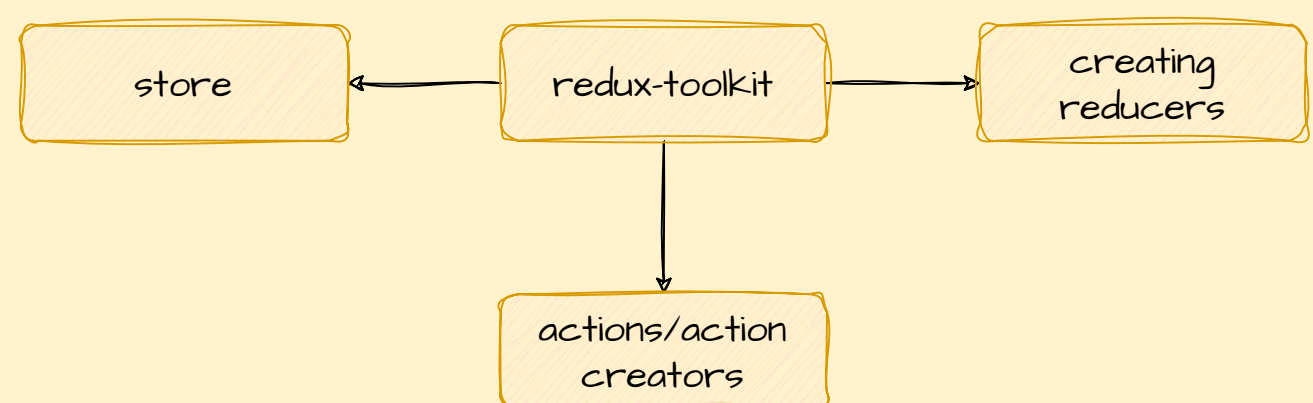
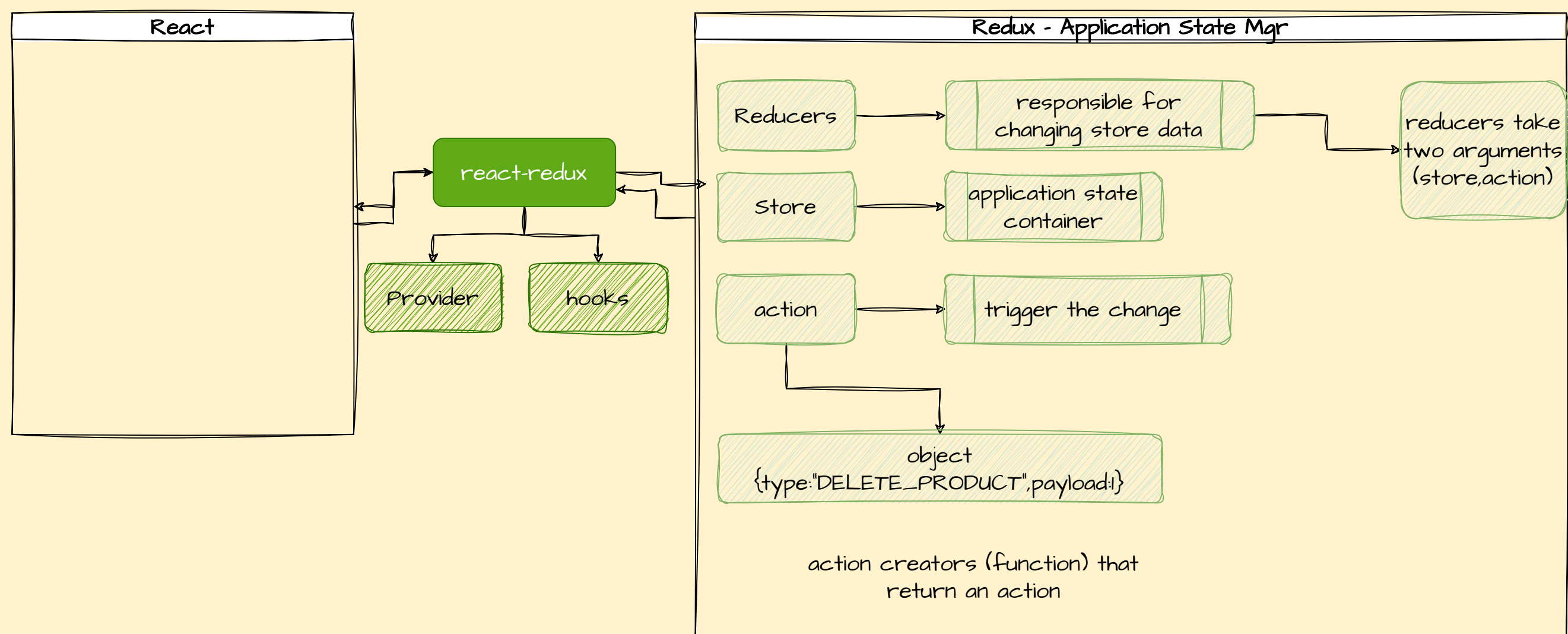
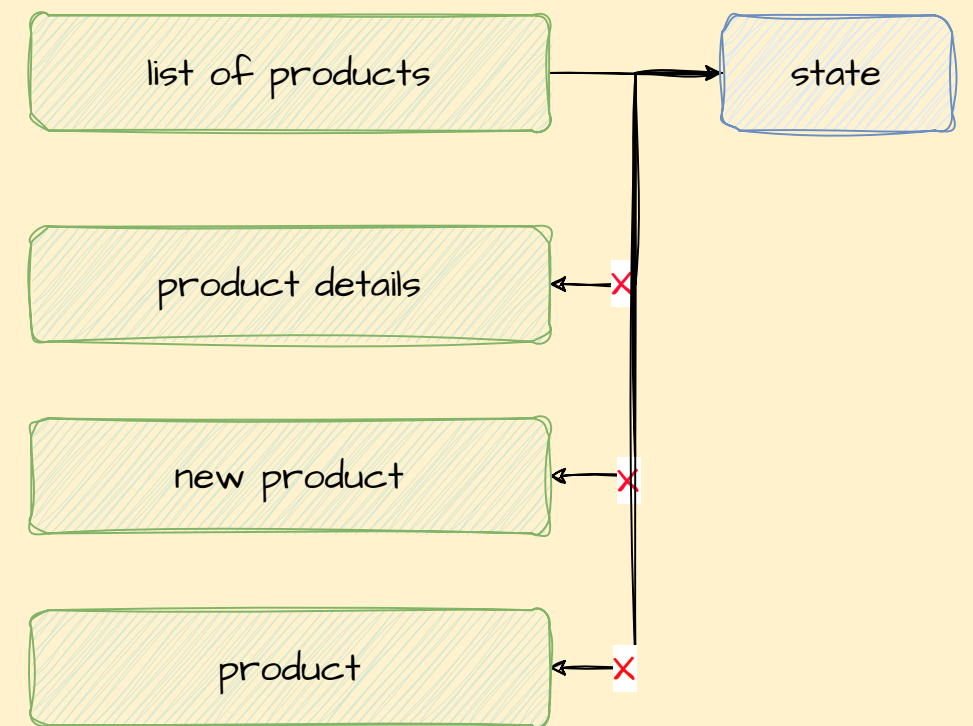
Four empty, rounded rectangular input fields stacked vertically, intended for entering product details.

Add New Product



Routing parameters → pass dynamic values in the url

/productdetails/id



Store \longleftrightarrow Immutable

```
[
  {.... likes},
  {...., likes:500},
  {...., likes}
]
```

Cart Summary

