

Dev Env



tsc
(compiler)



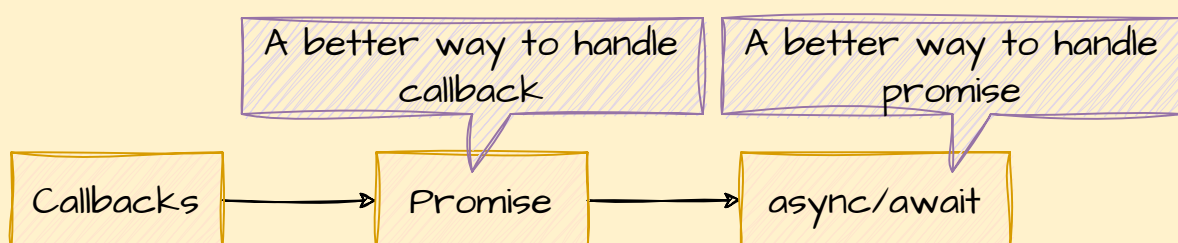
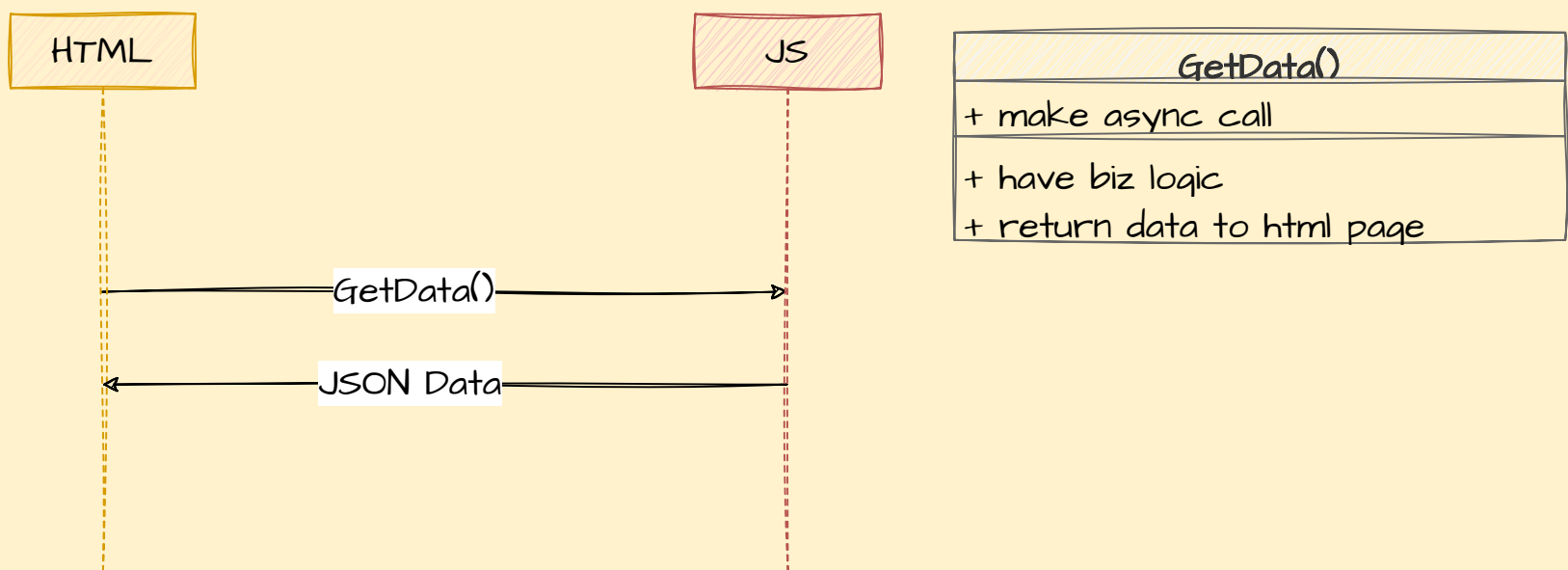
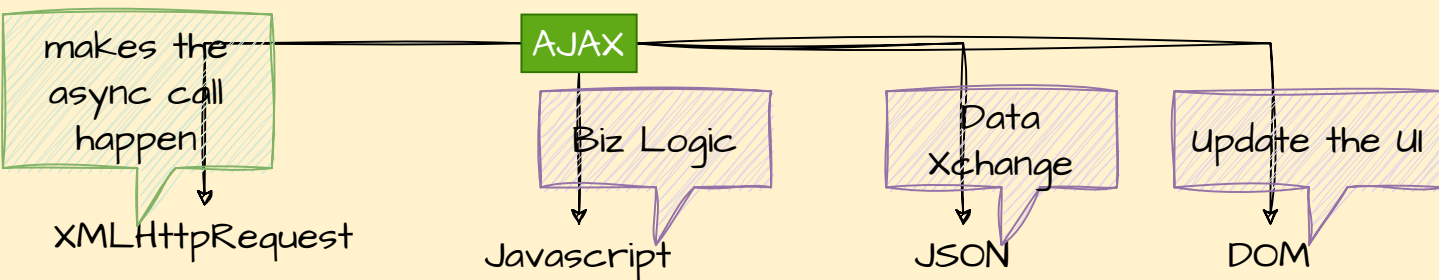
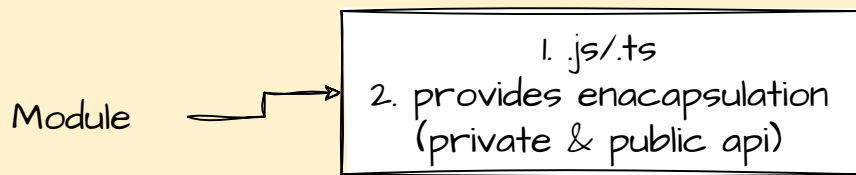
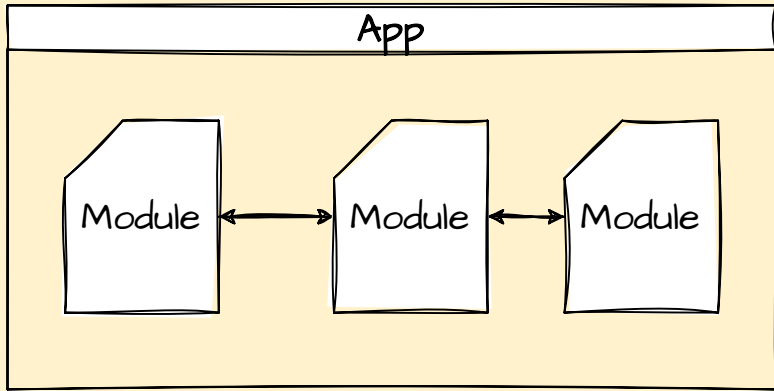
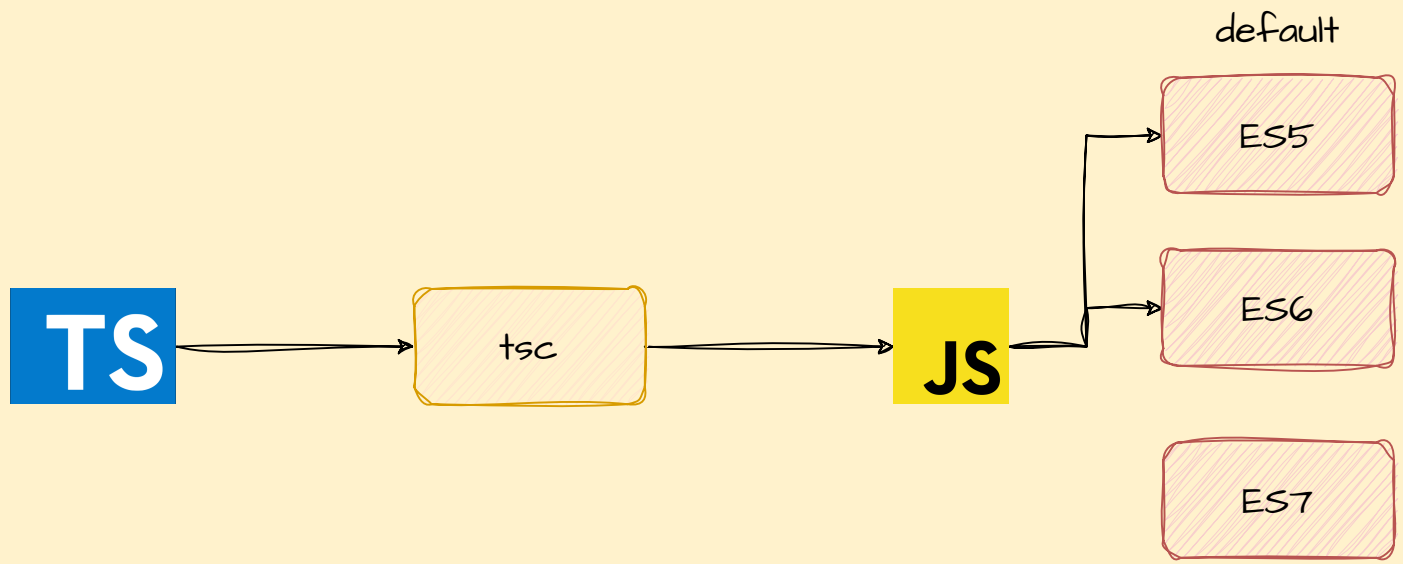
npm i typescript -g



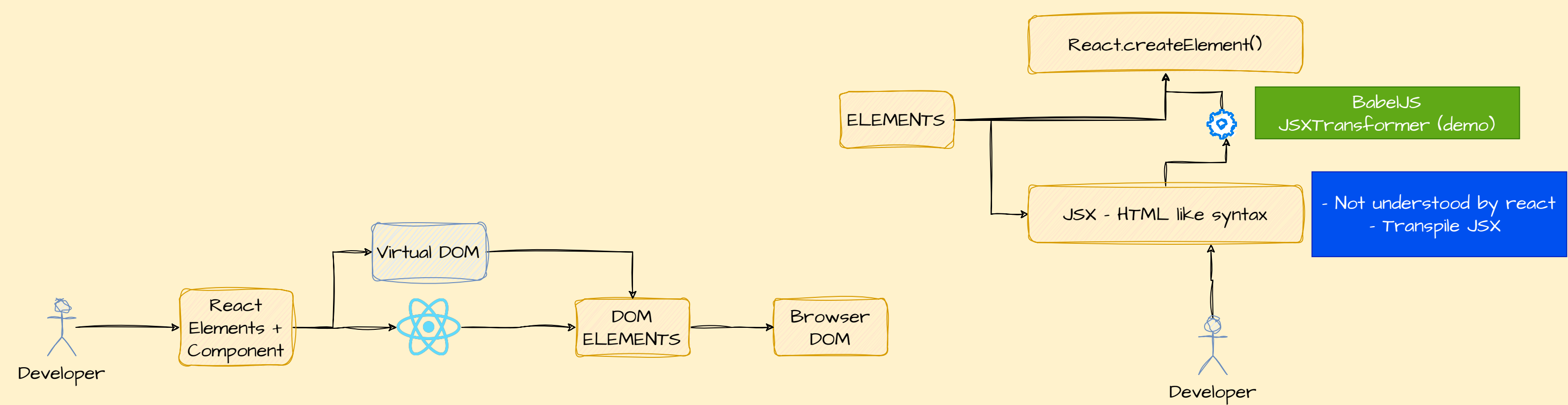
Runtime Env

Browser





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

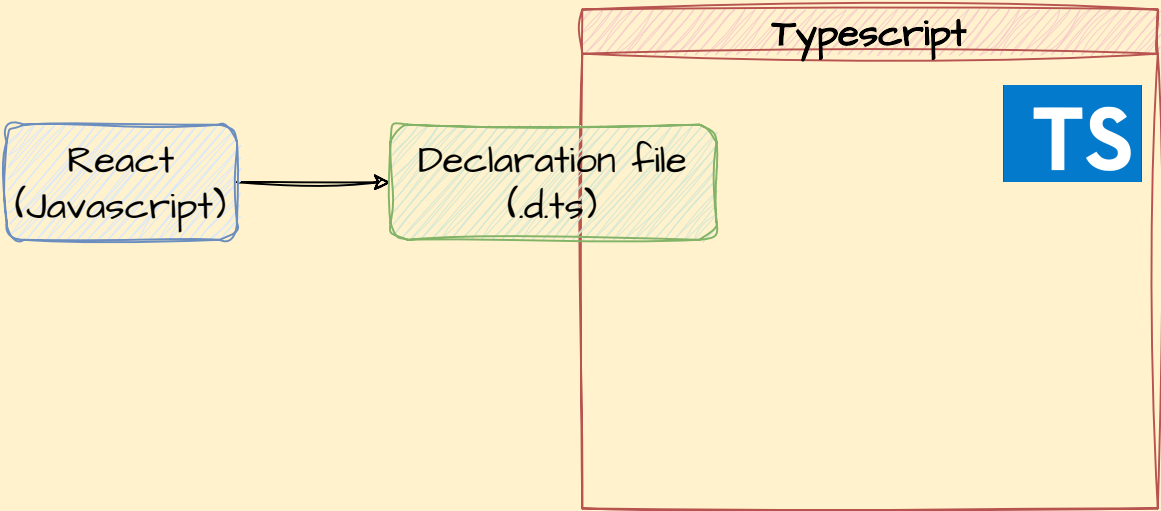
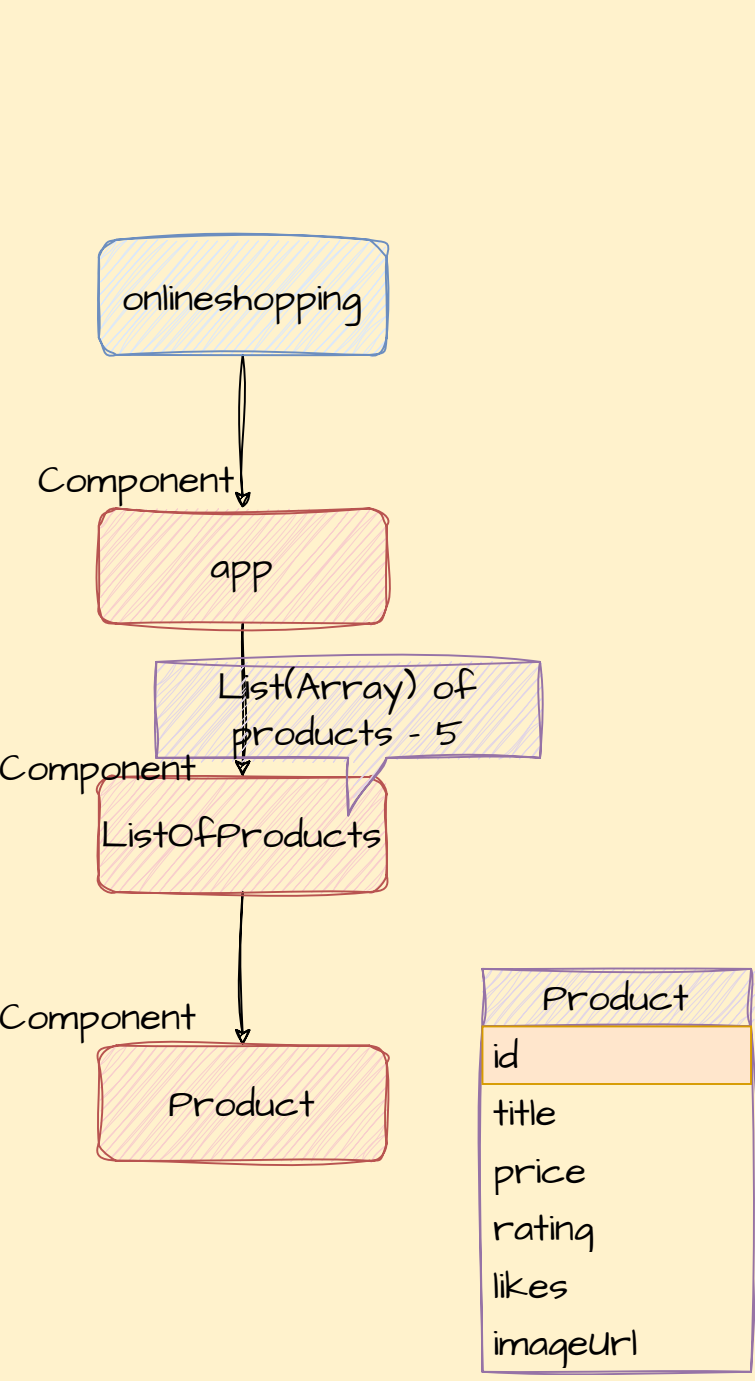


Components
Reusable (UI + Biz logic)
Composable
Maintenable
Configurable
Modular
Testable

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

}

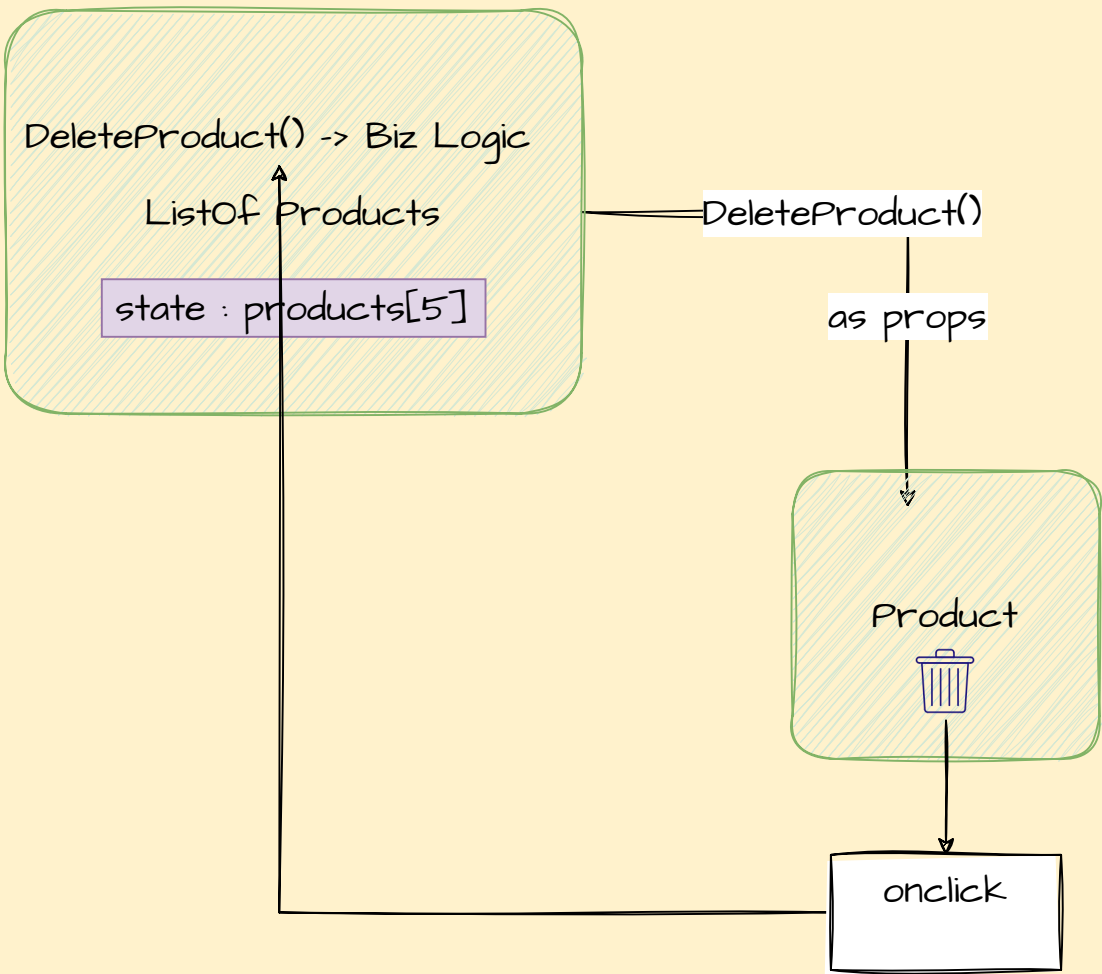
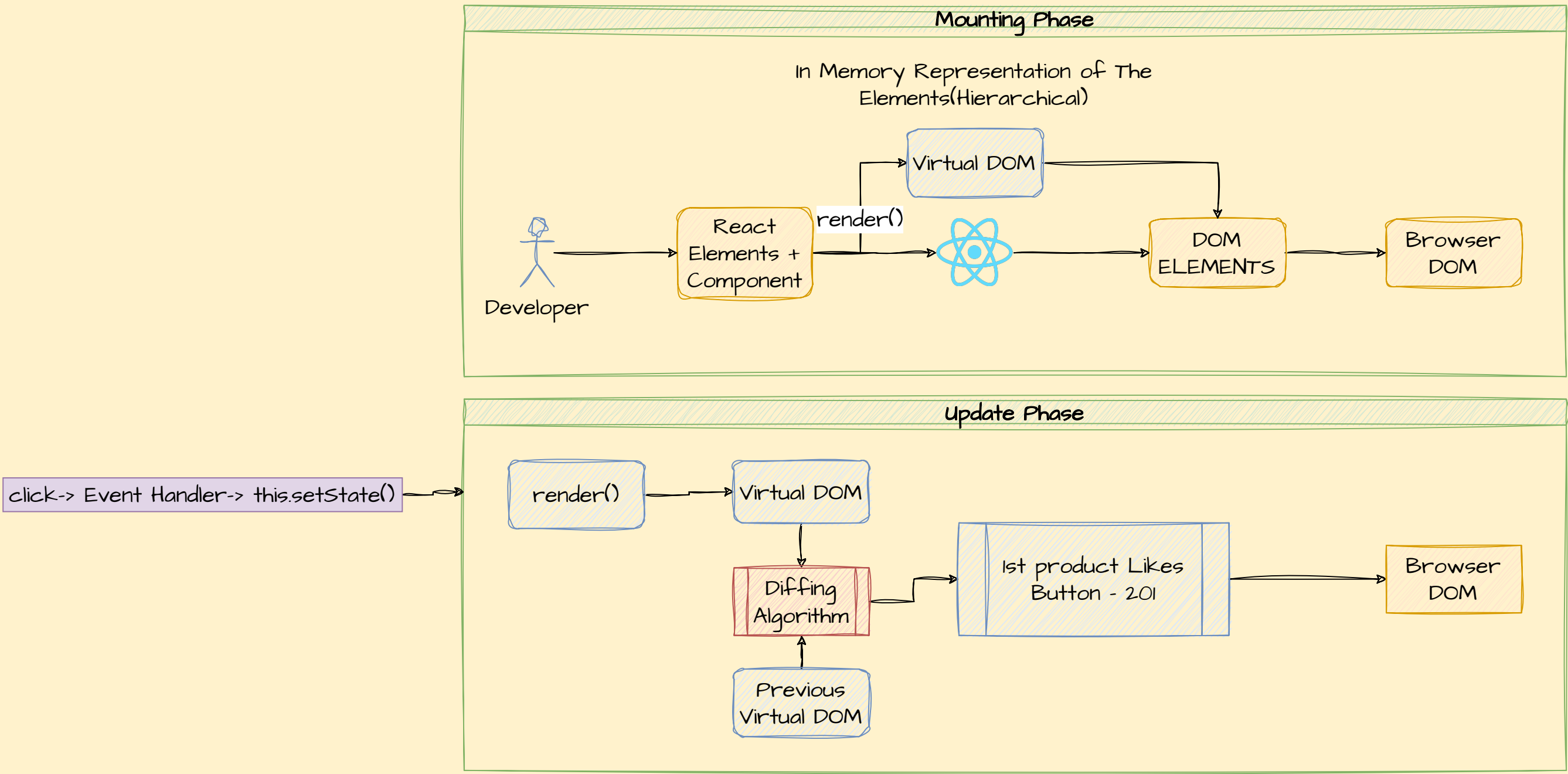
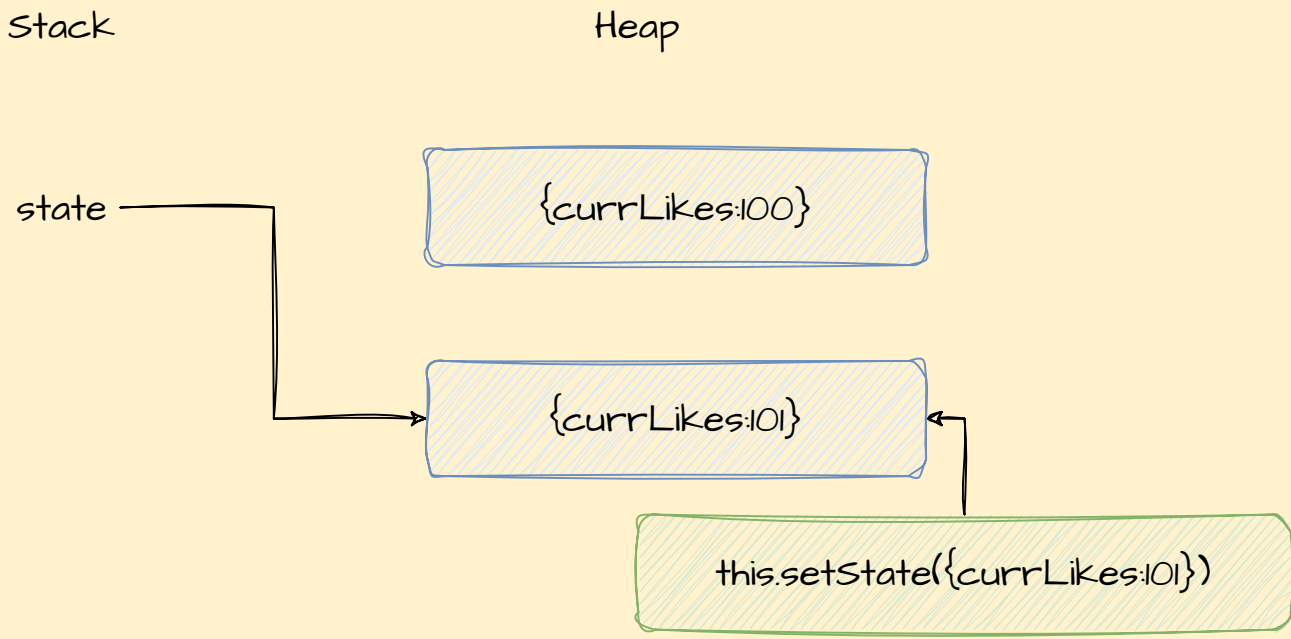
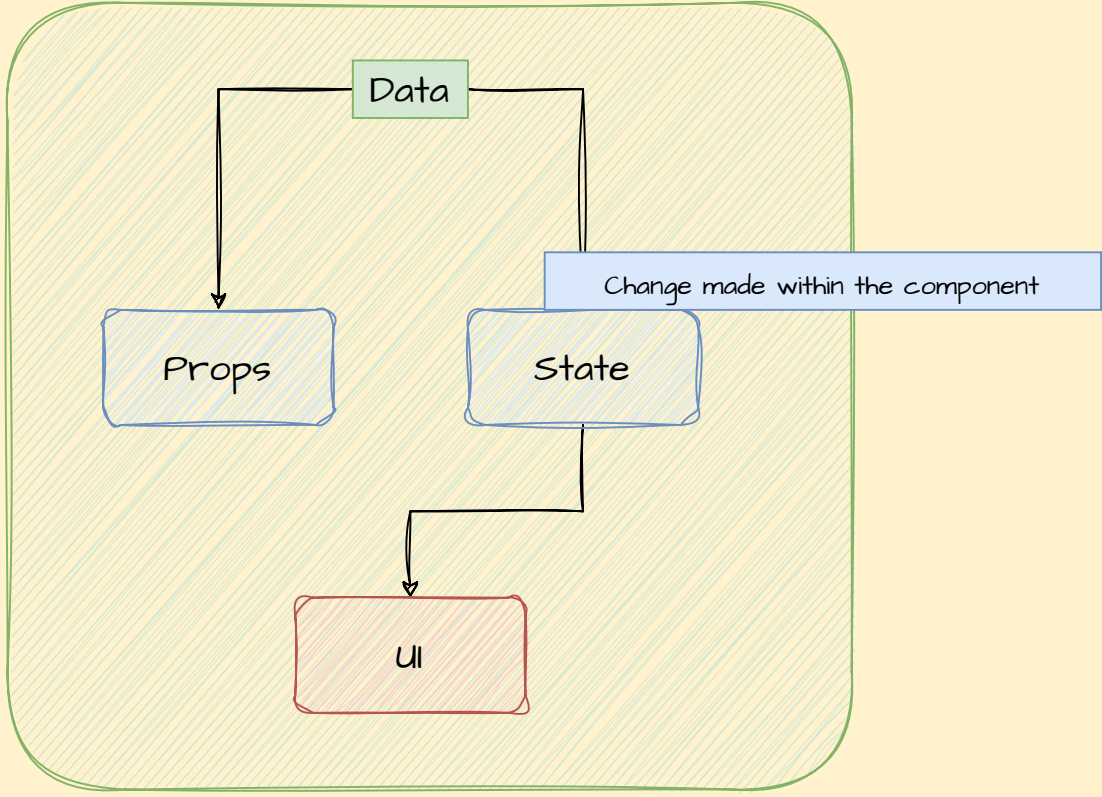
npx create-react-app my-first-app --template typescript



<

<

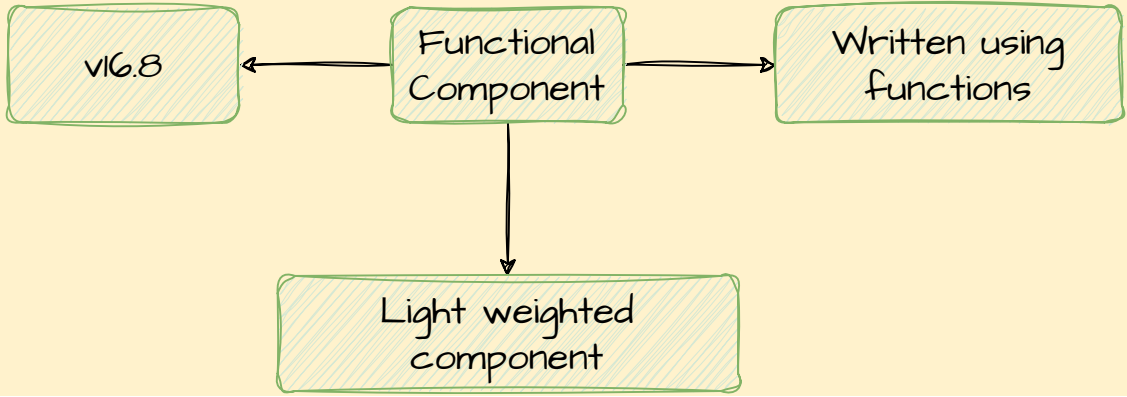
State -> Current values of attributes



Mounting	
State	Key
[5]	1
	2
	3
	4
	5



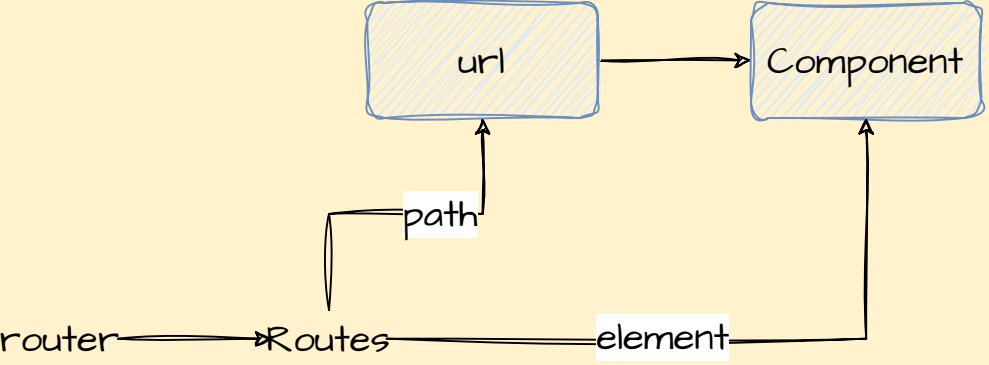
Update Phase	
State	Key
[4]	1
	3
	4
	5



NewProduct

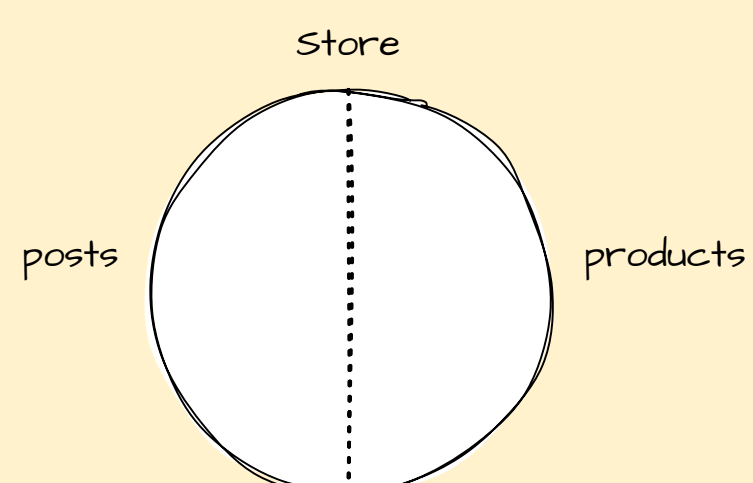
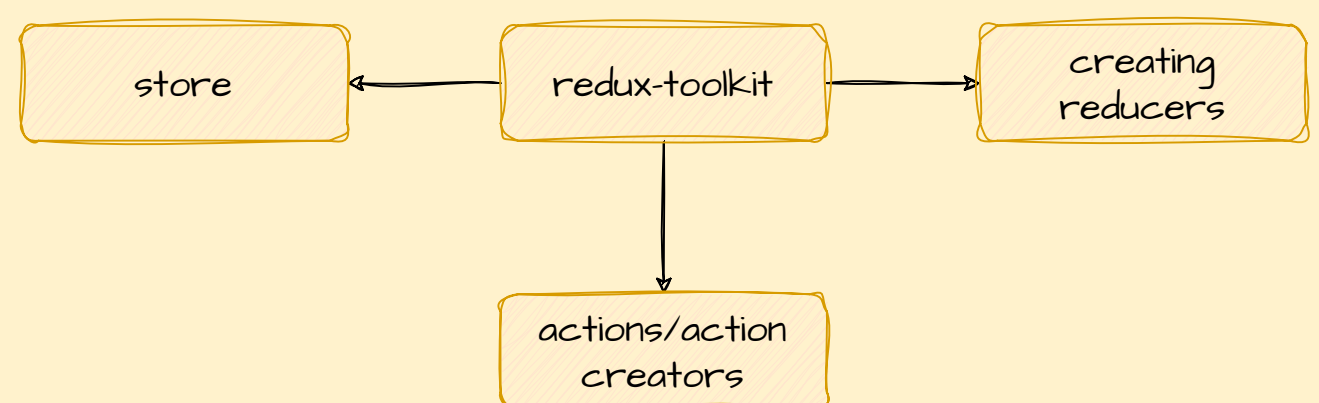
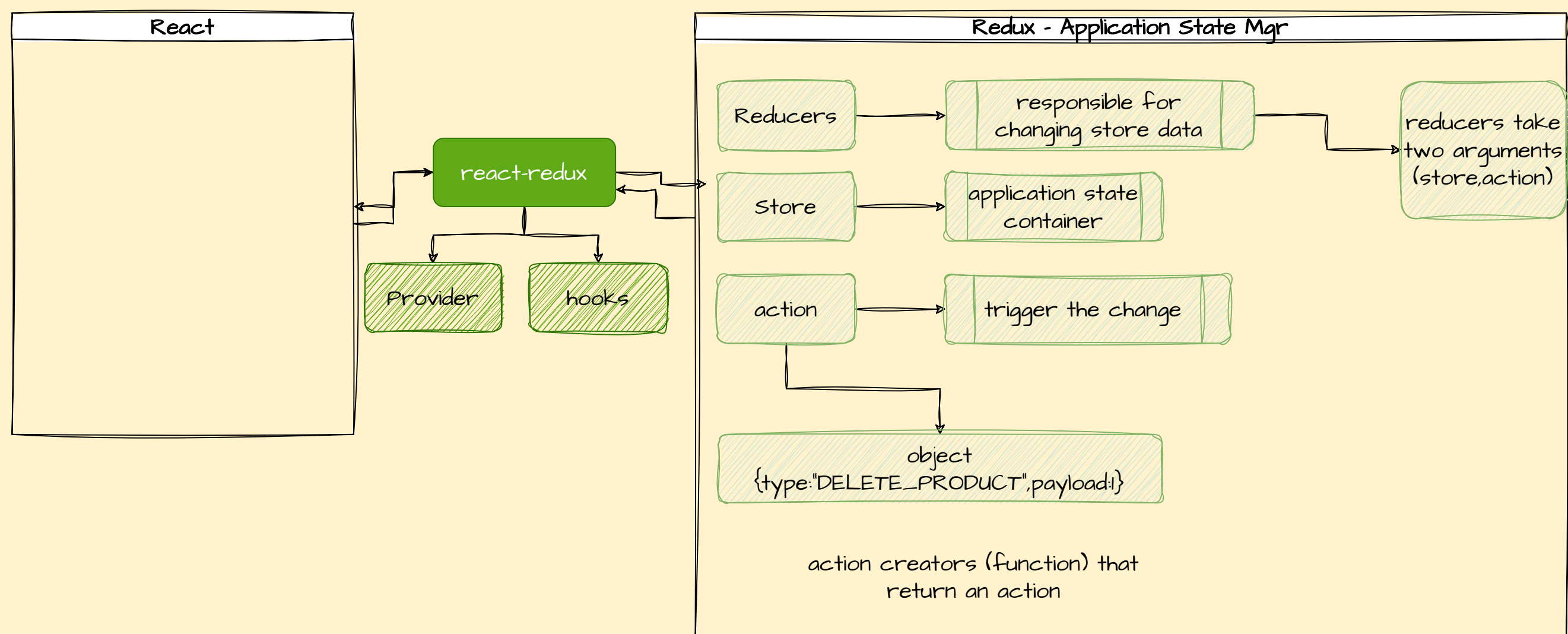
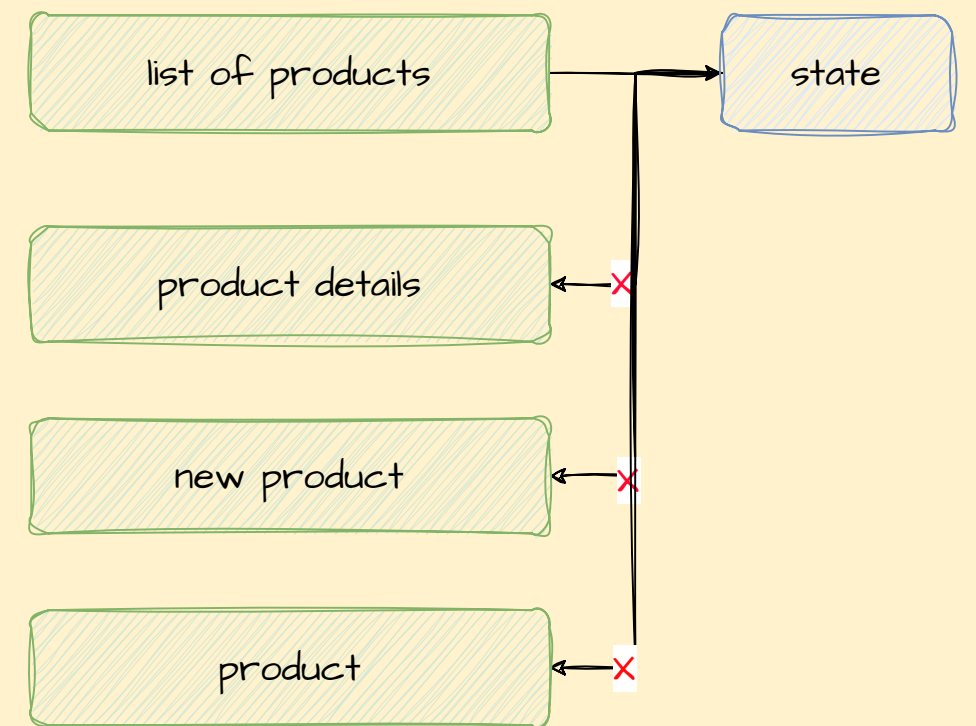
Four empty, rounded rectangular input fields stacked vertically, intended for entering product details.

Add New Product



Routing parameters → pass dynamic values in the url

/productdetails/id

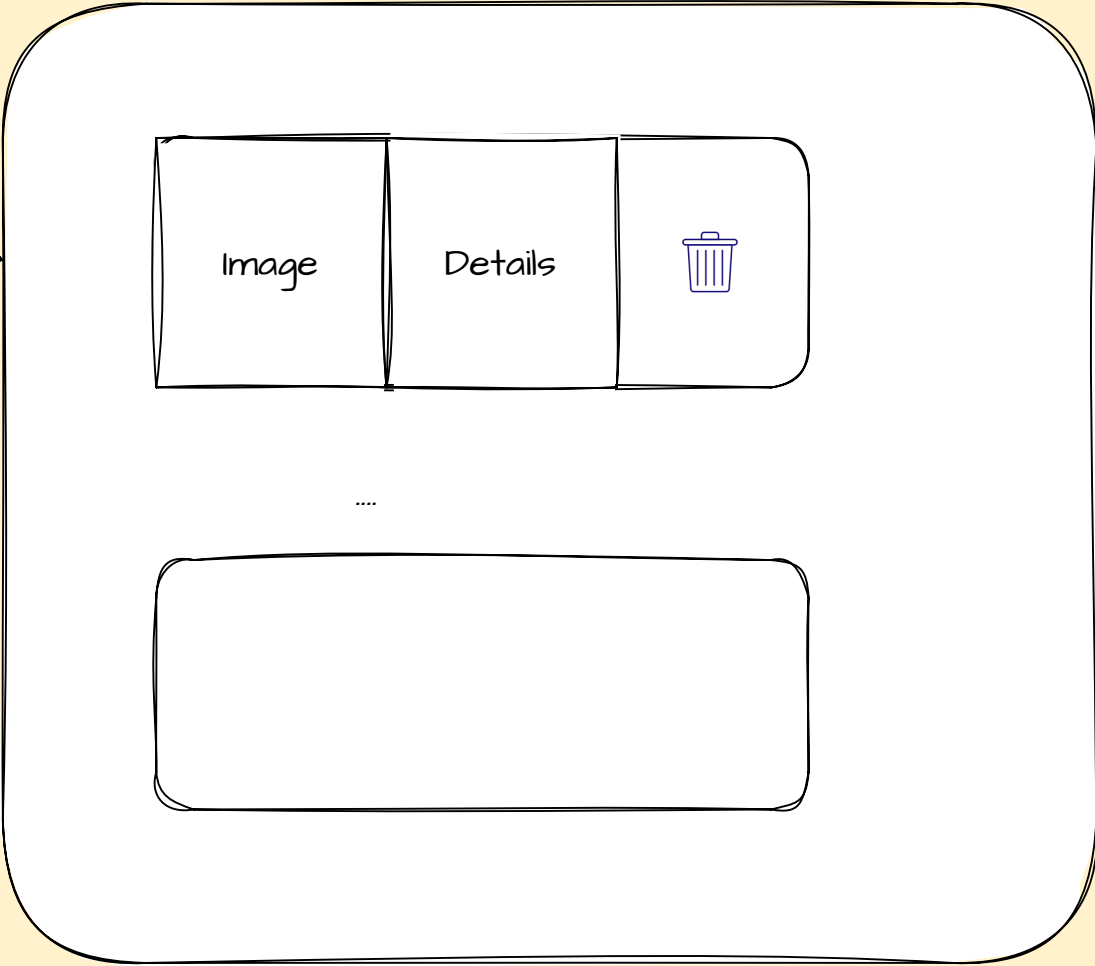
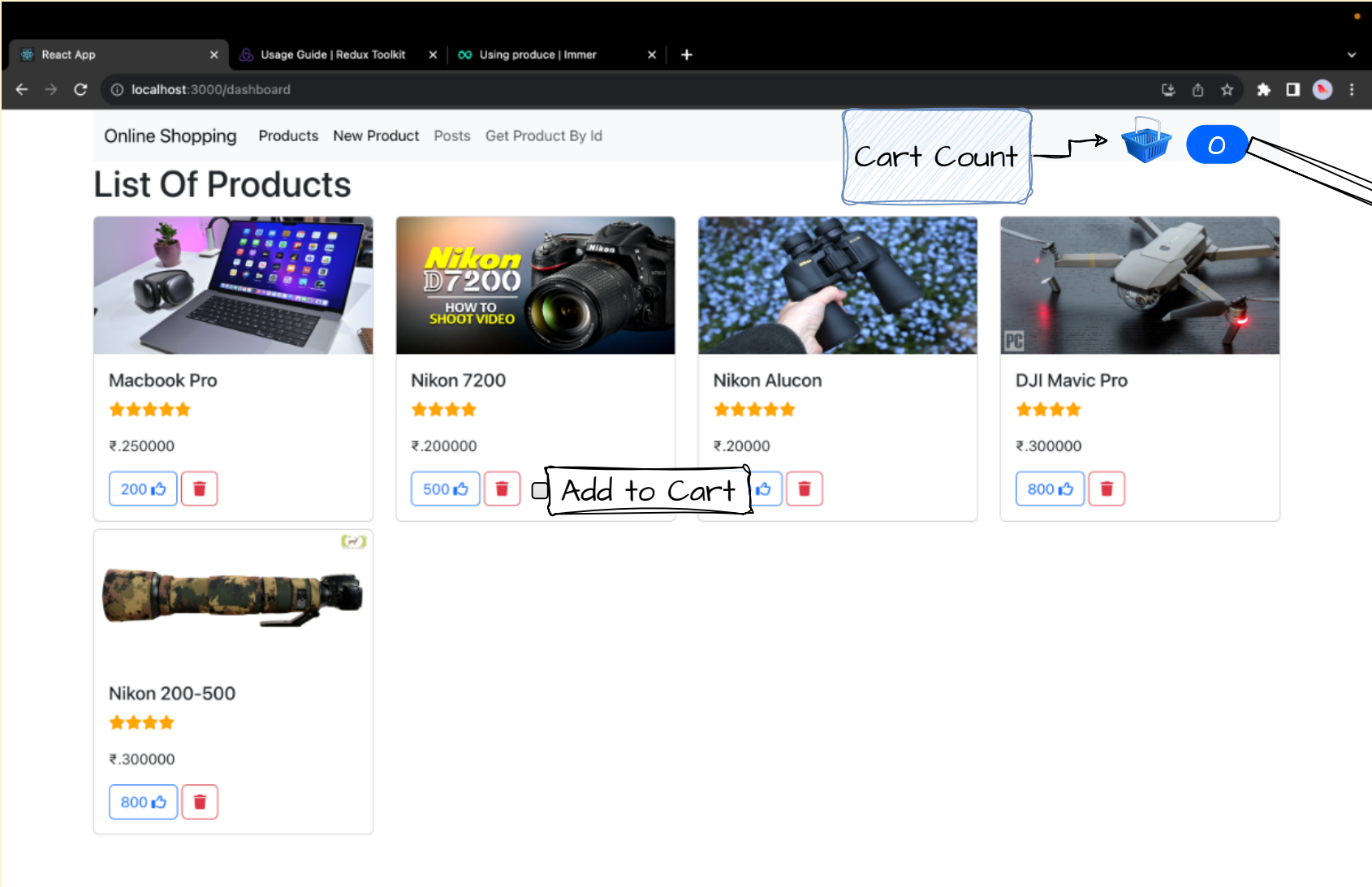


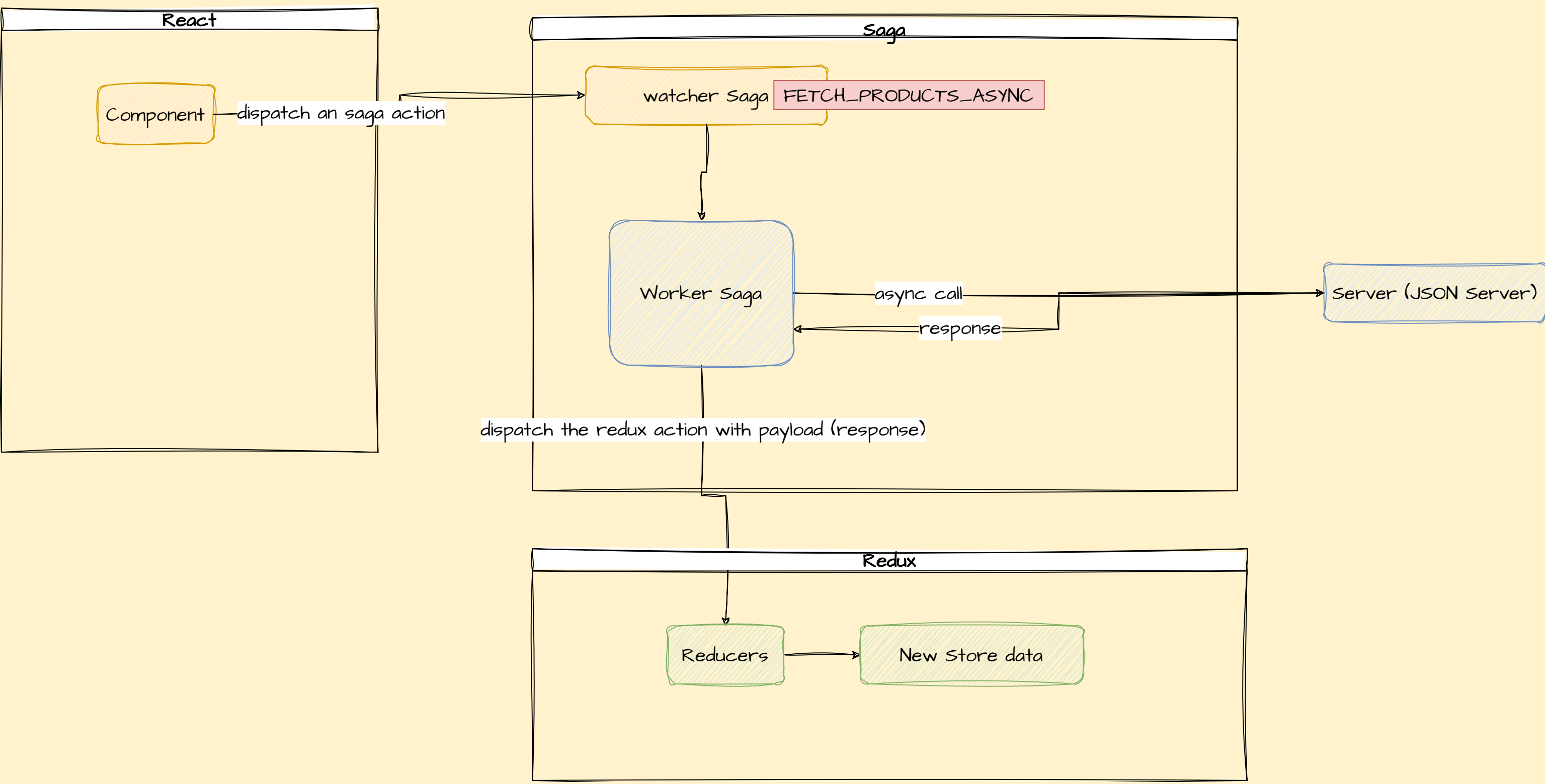
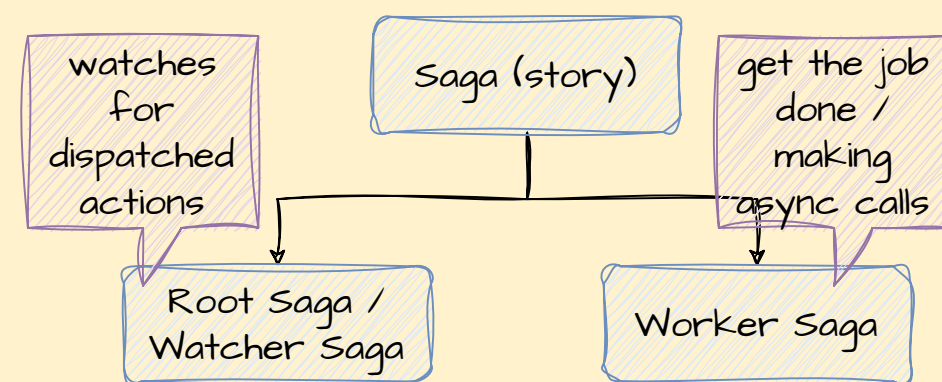
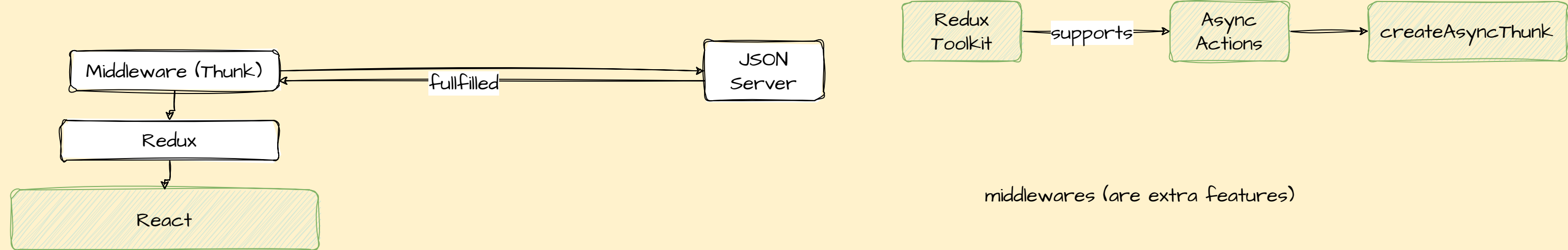
Store ↔ Immutable

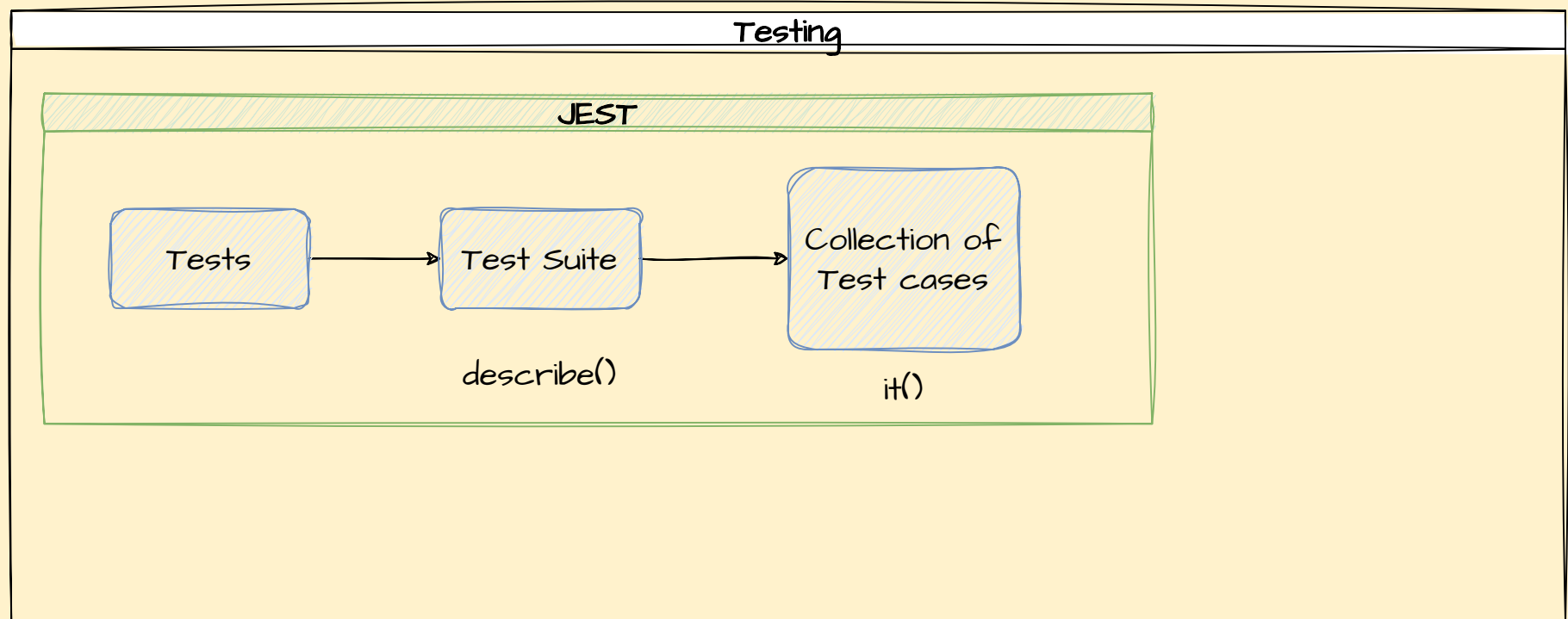
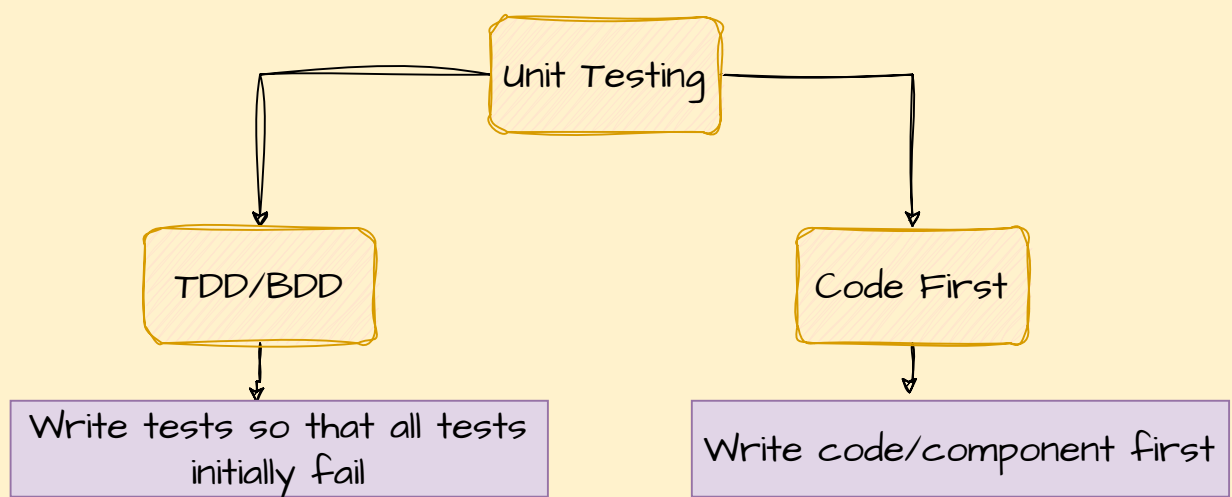
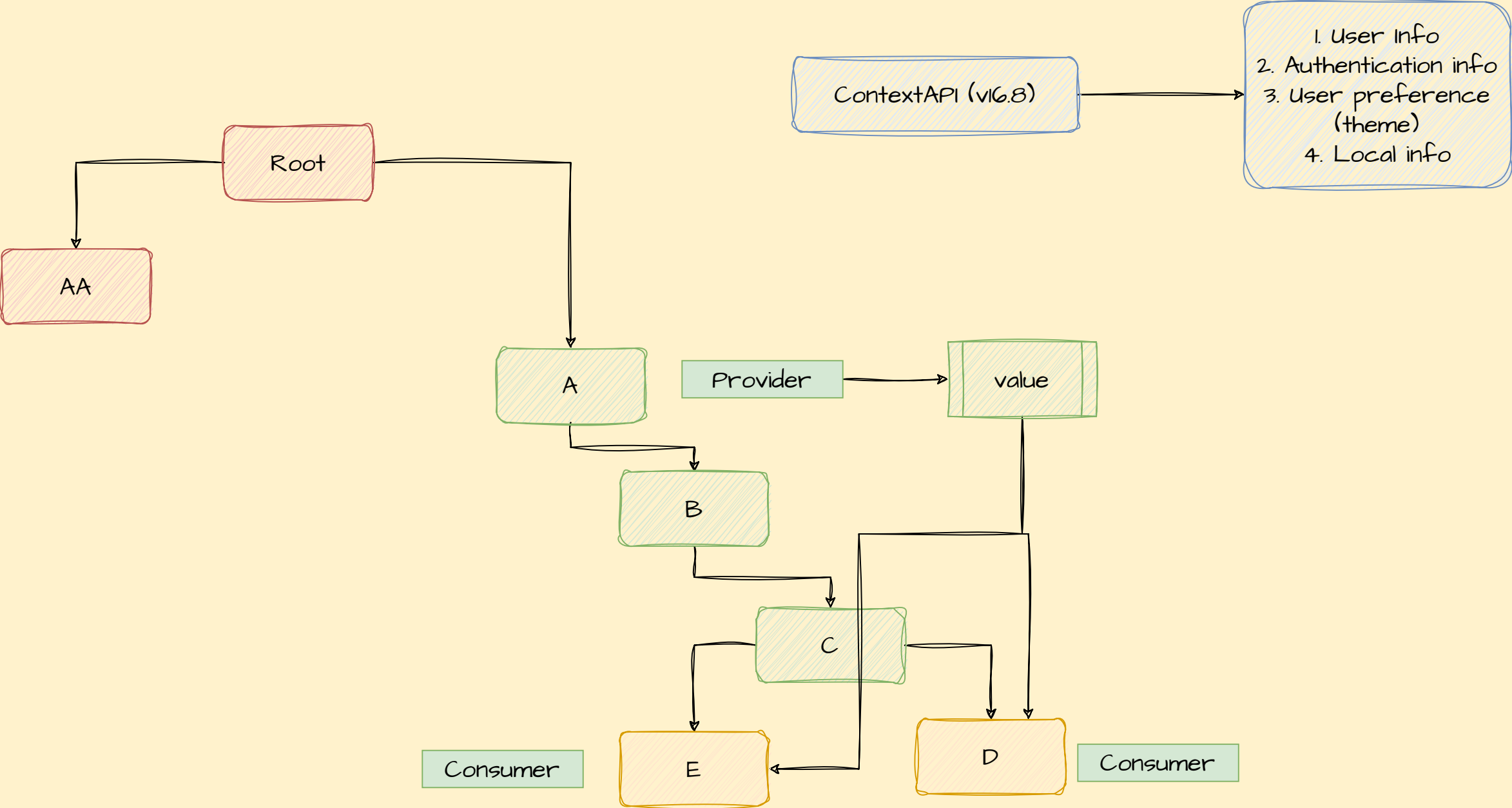
```
[
  {.... likes},
  {...., likes:500},
  {...., likes}
]
```

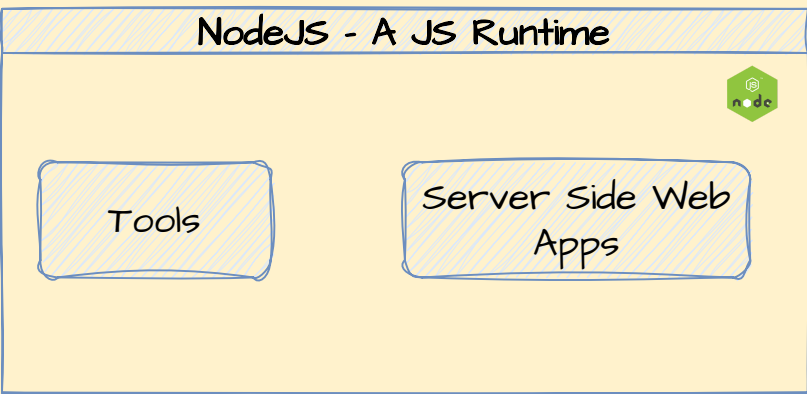
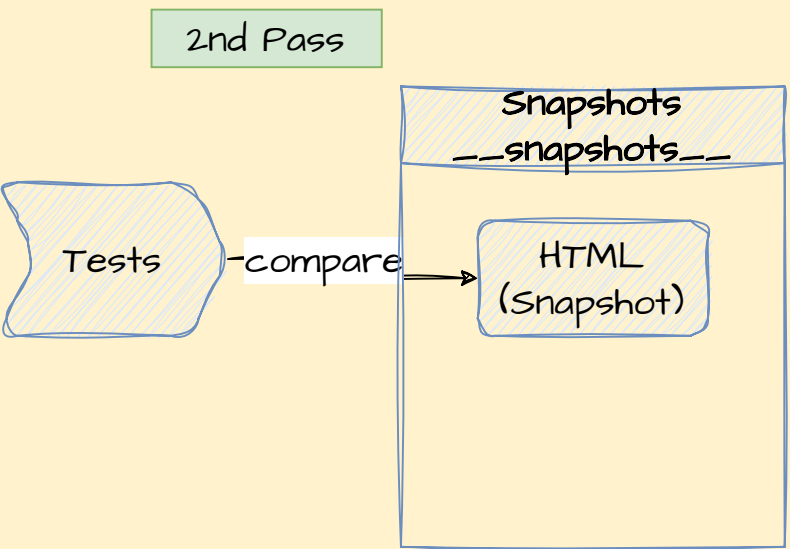
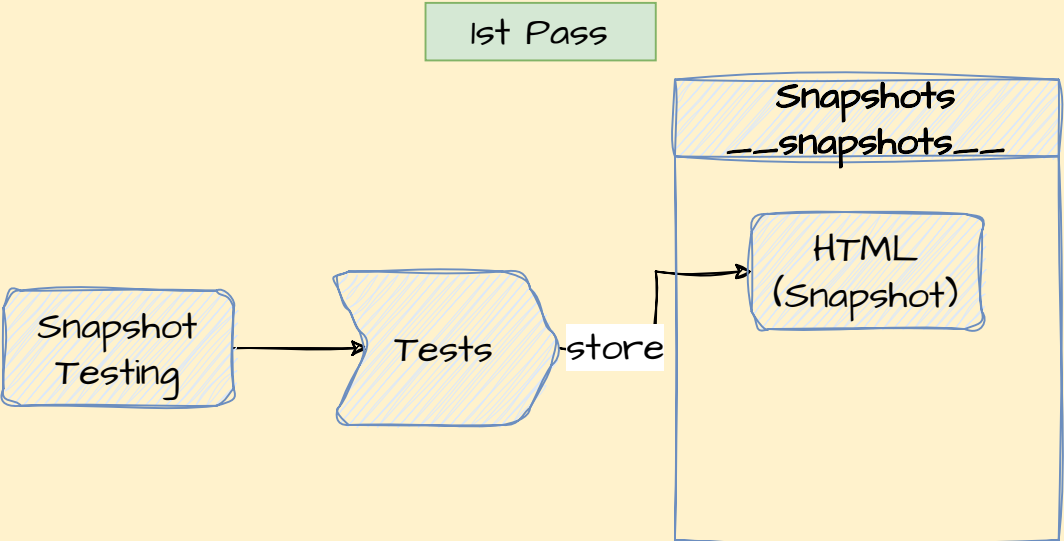
Cart Summary

Text
↓
props.children

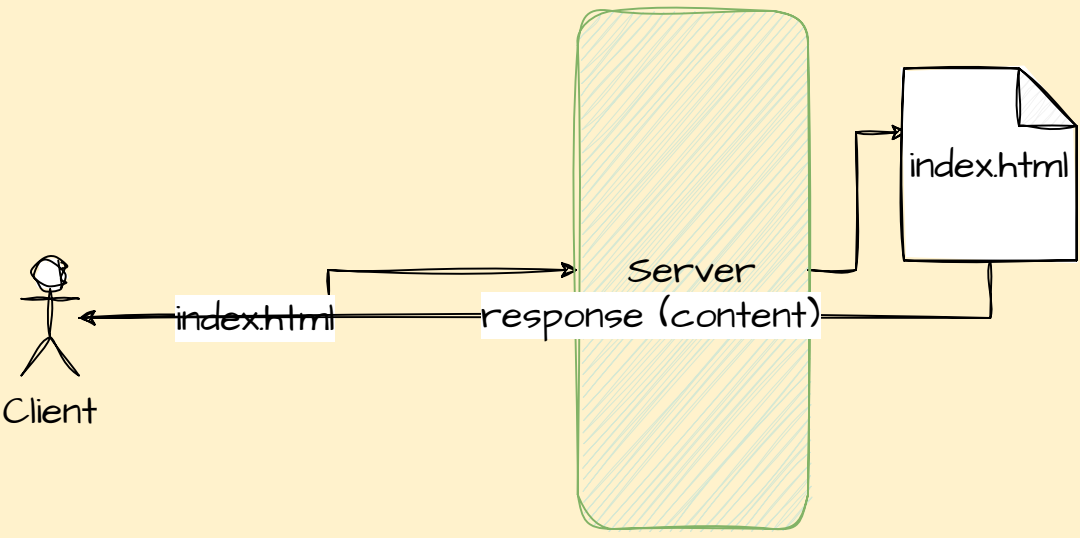
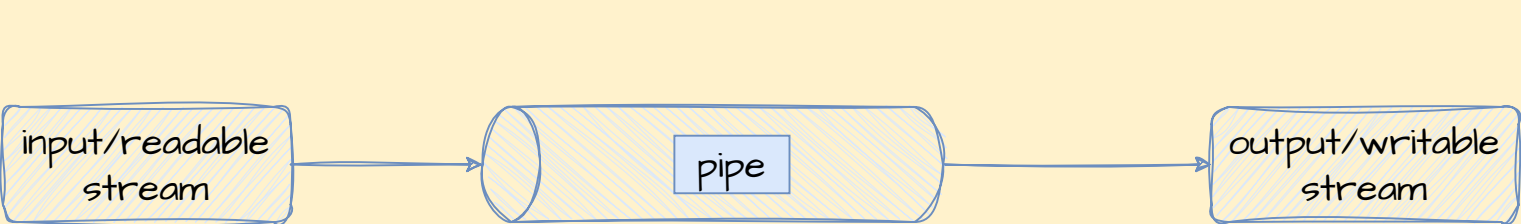
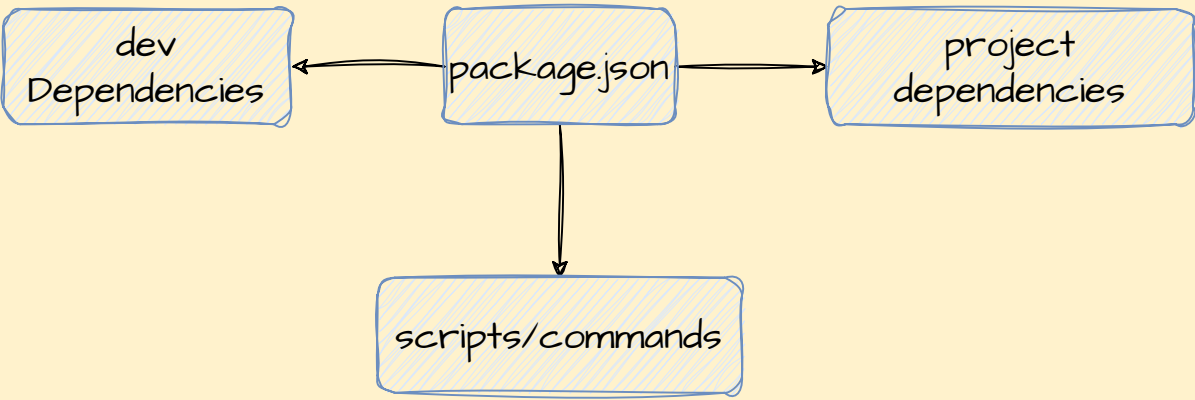
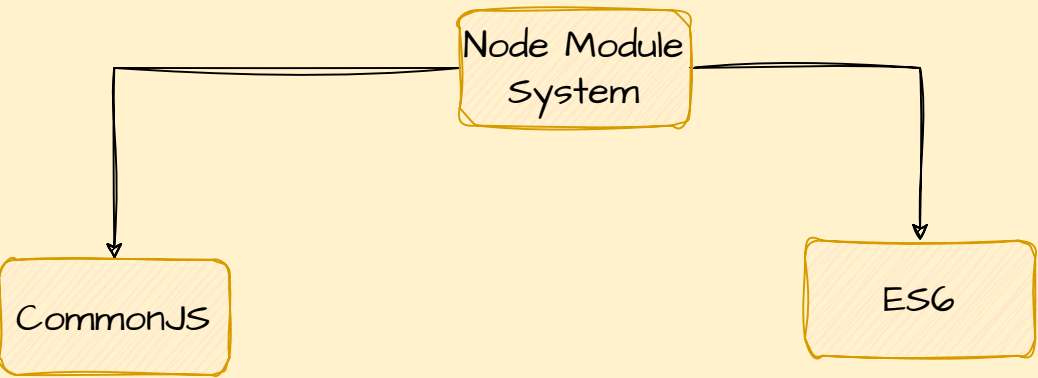
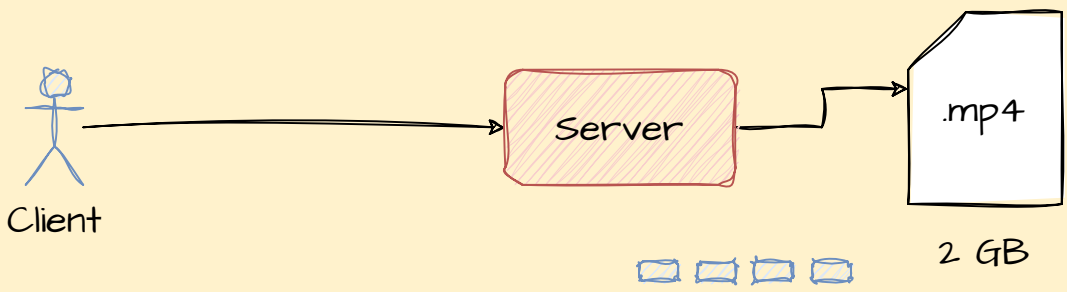
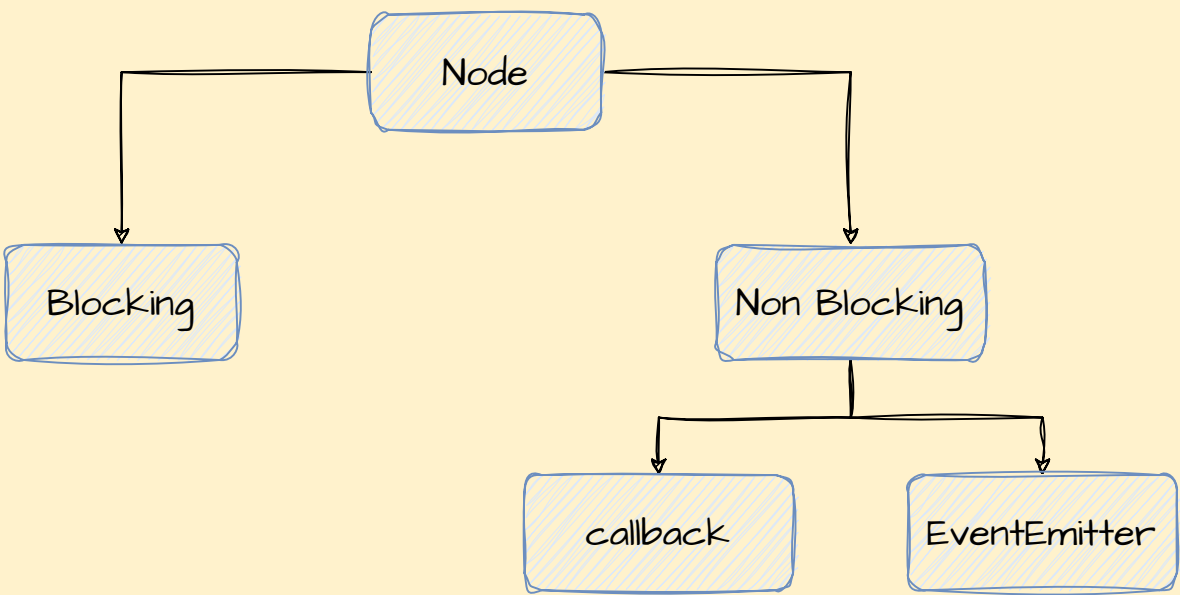
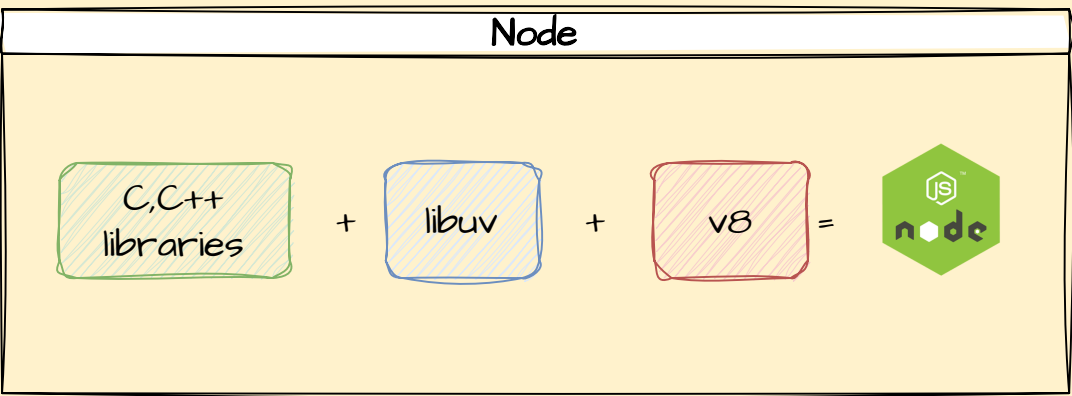


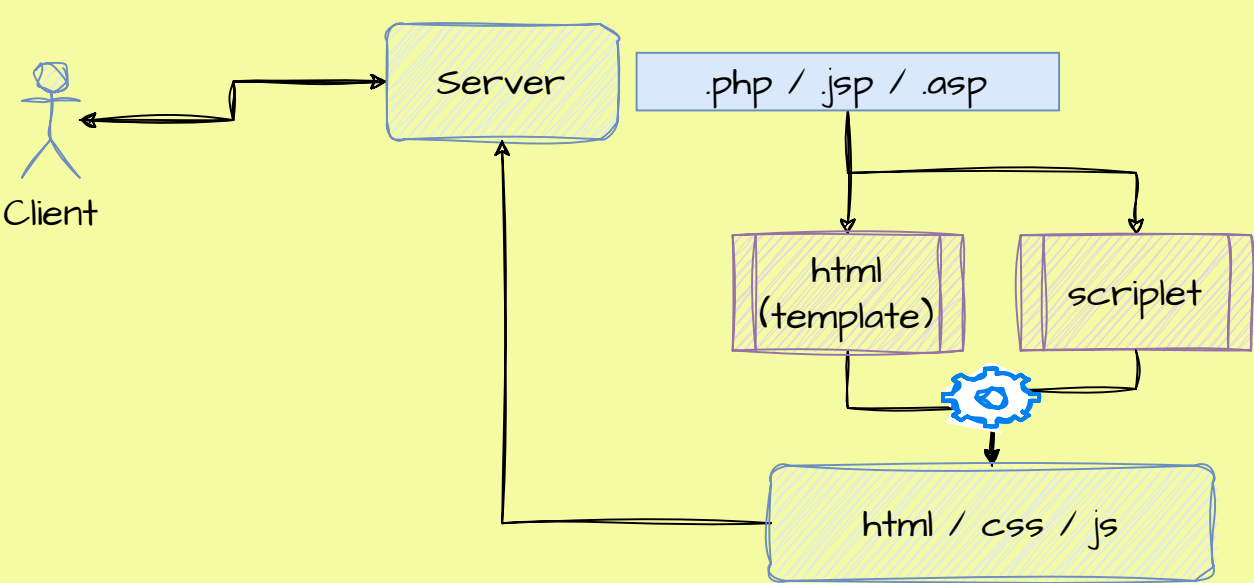
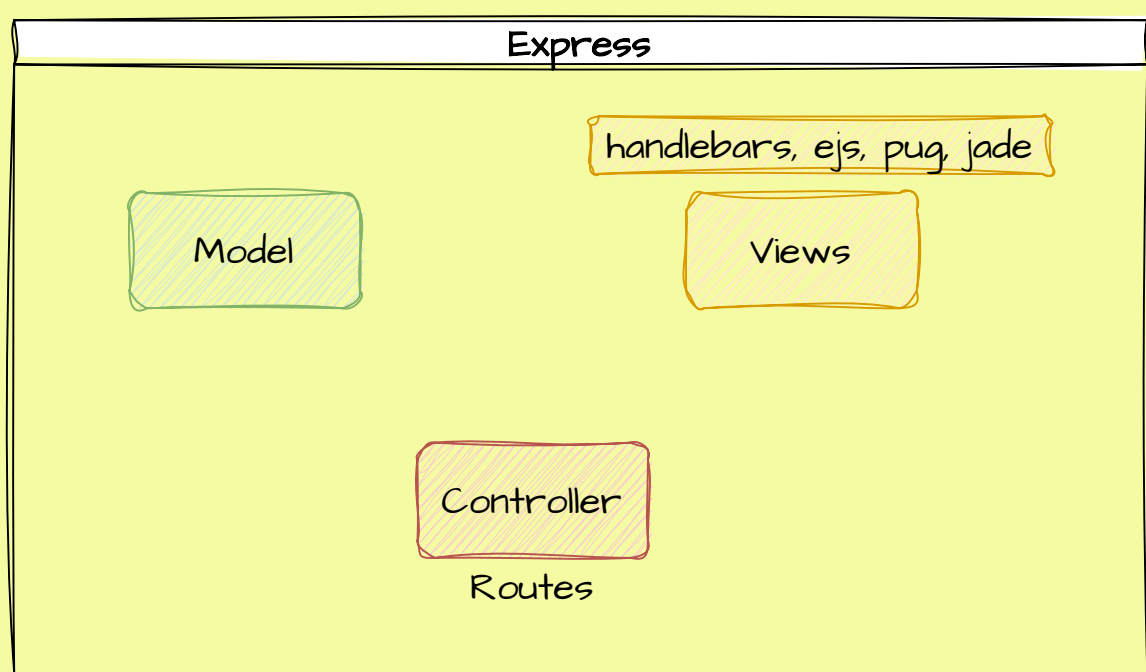
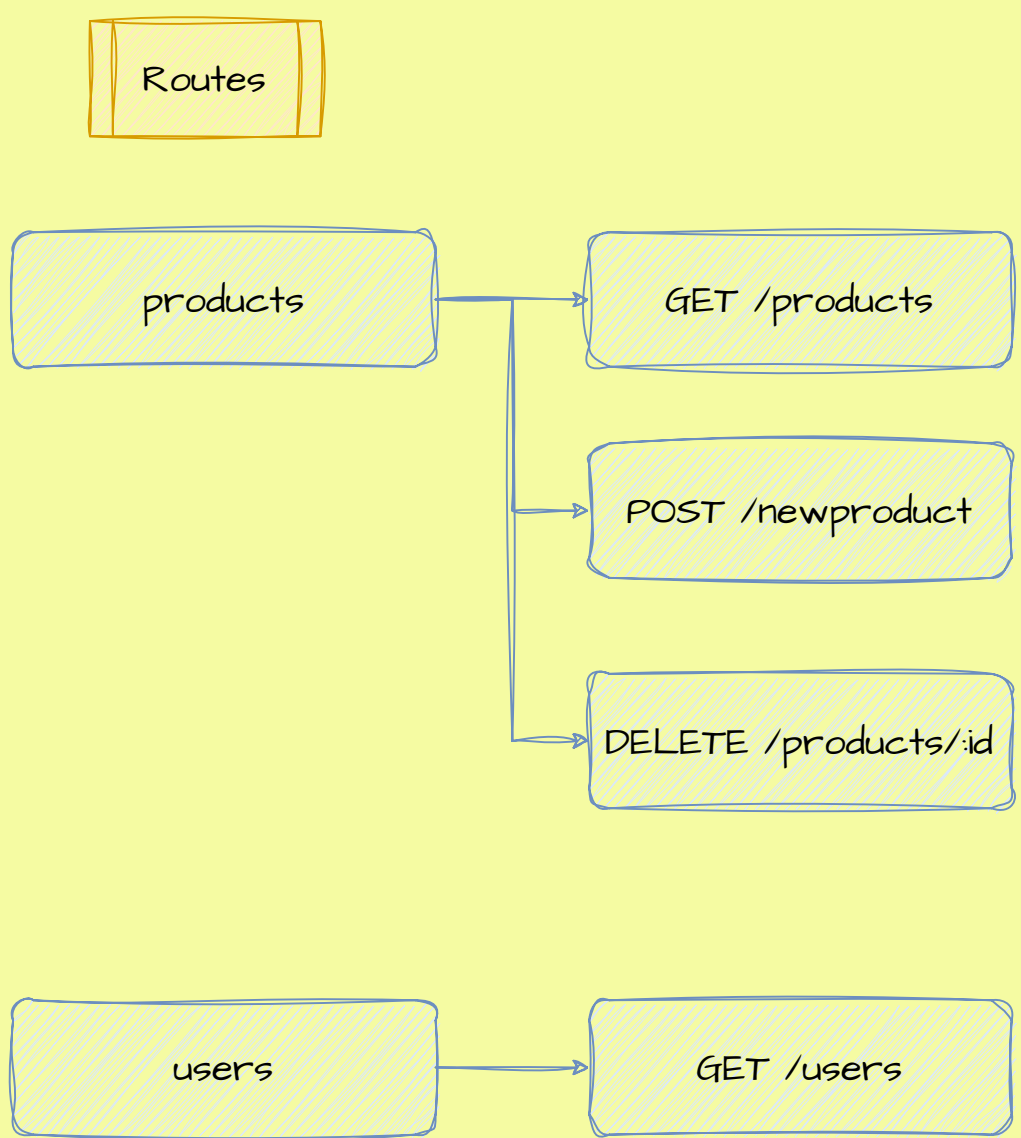
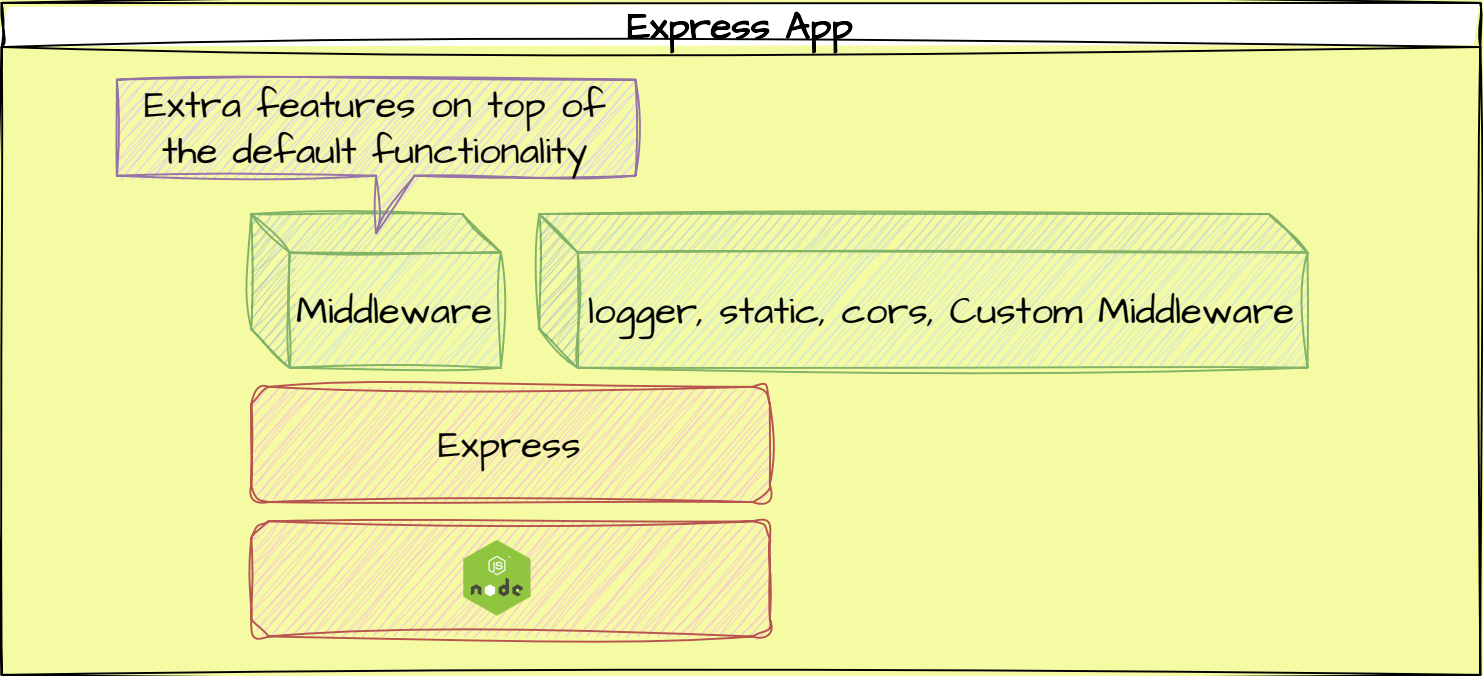




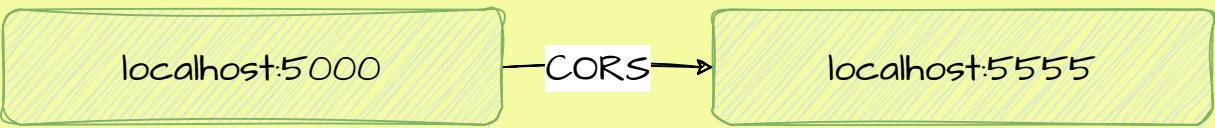


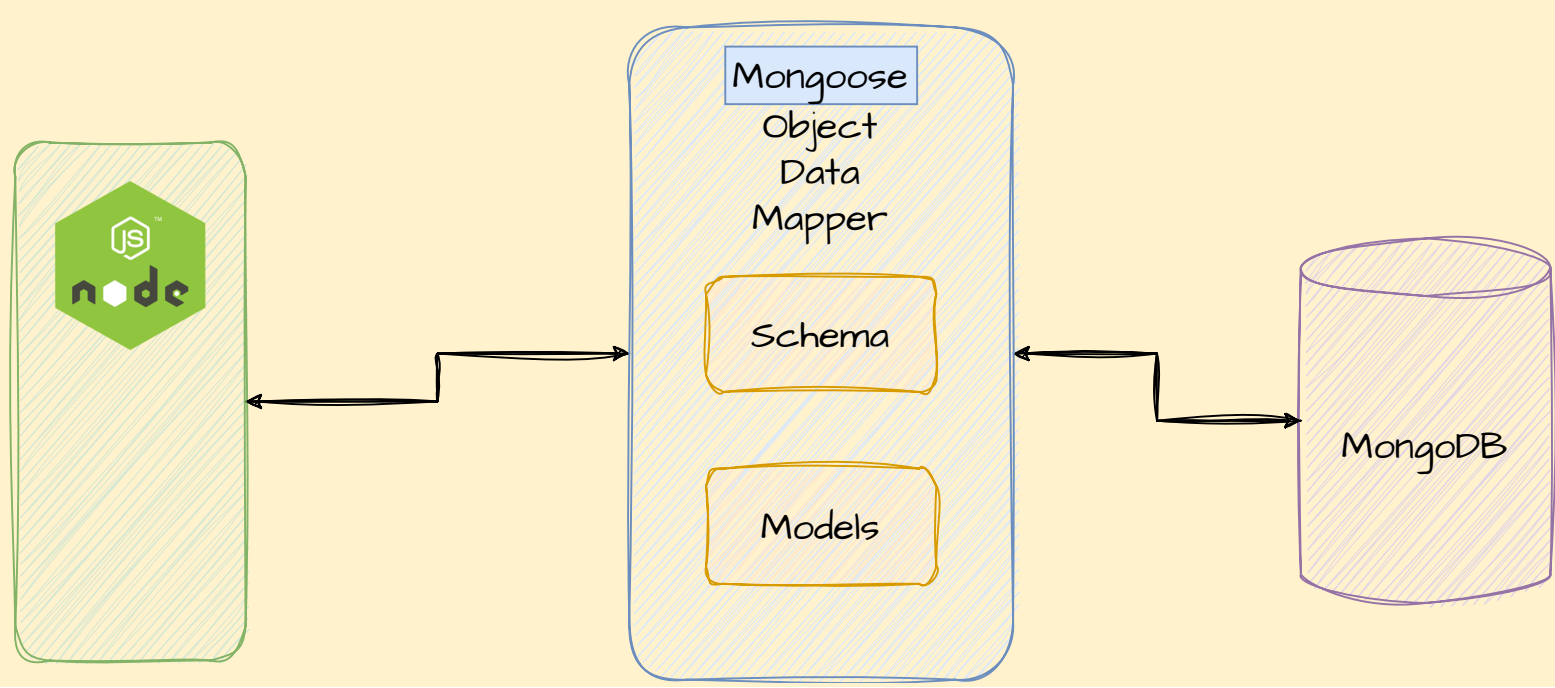
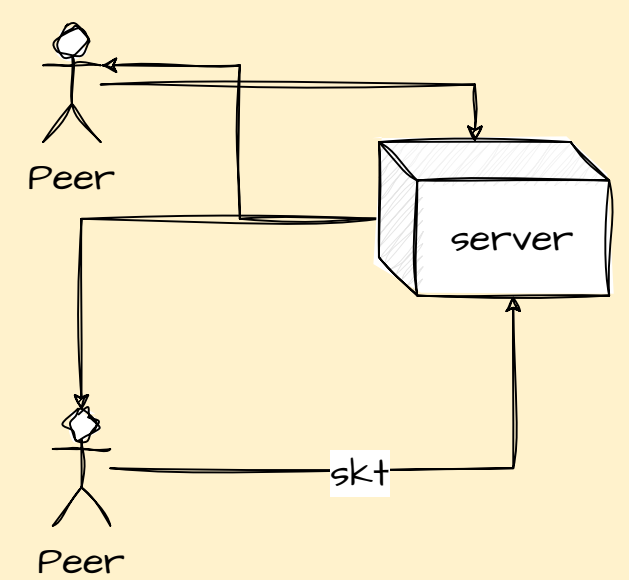
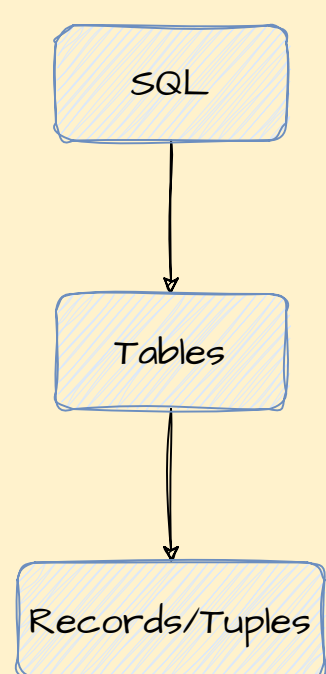
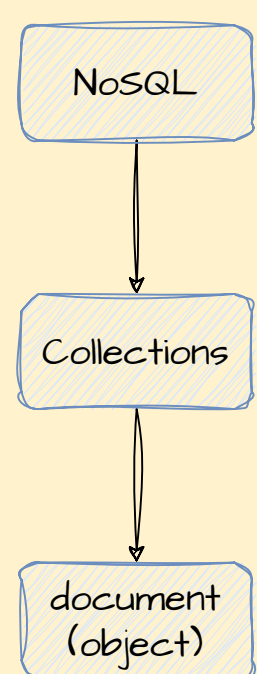
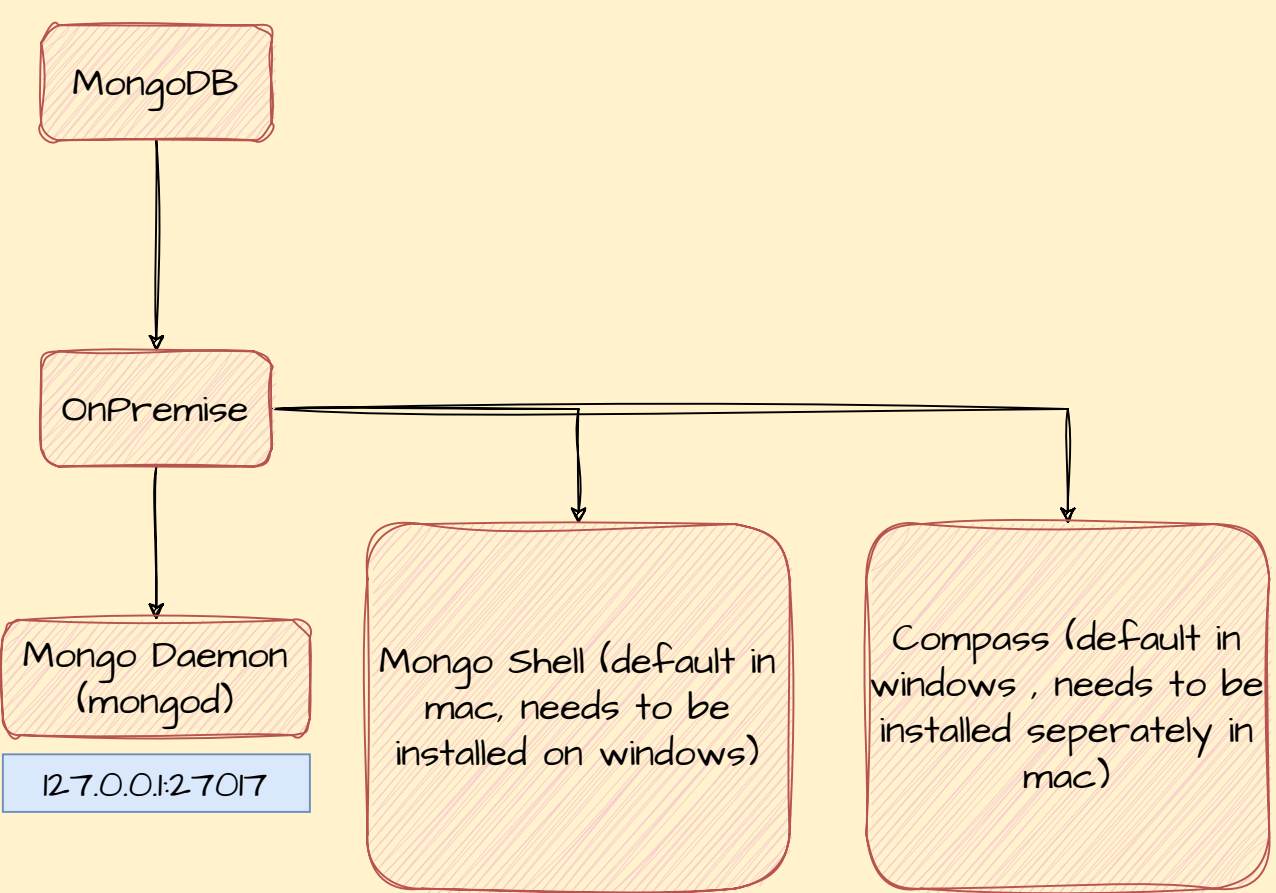
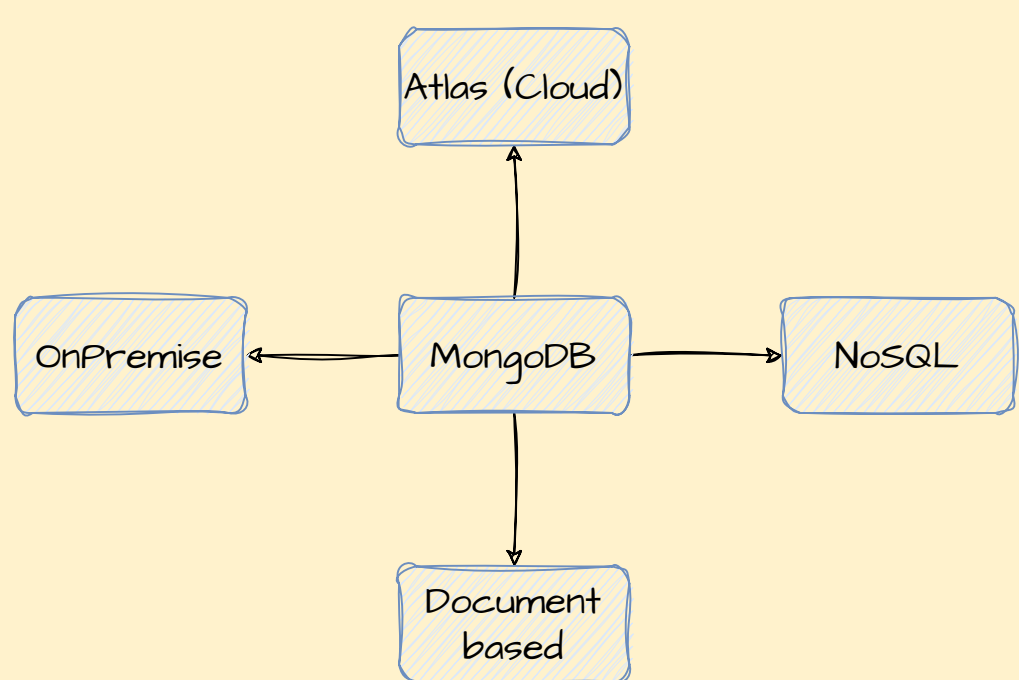
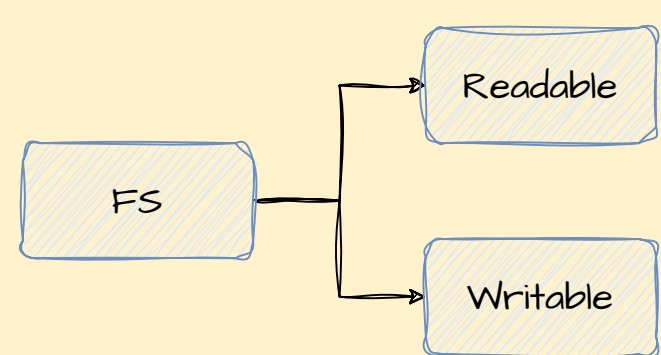
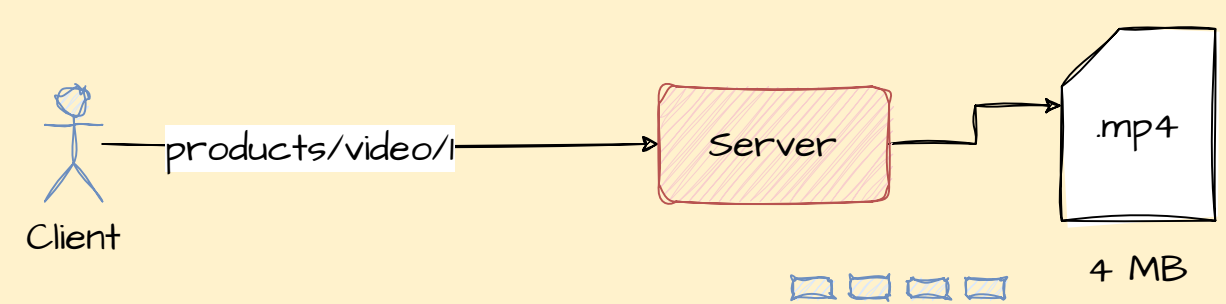
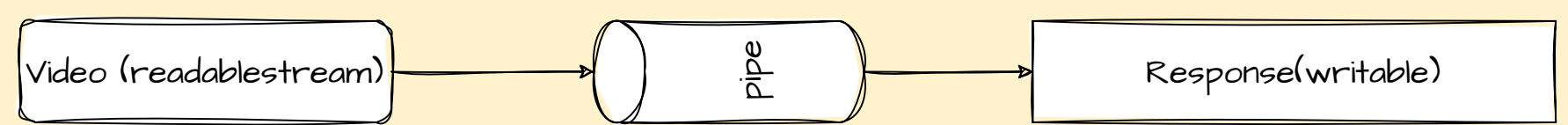
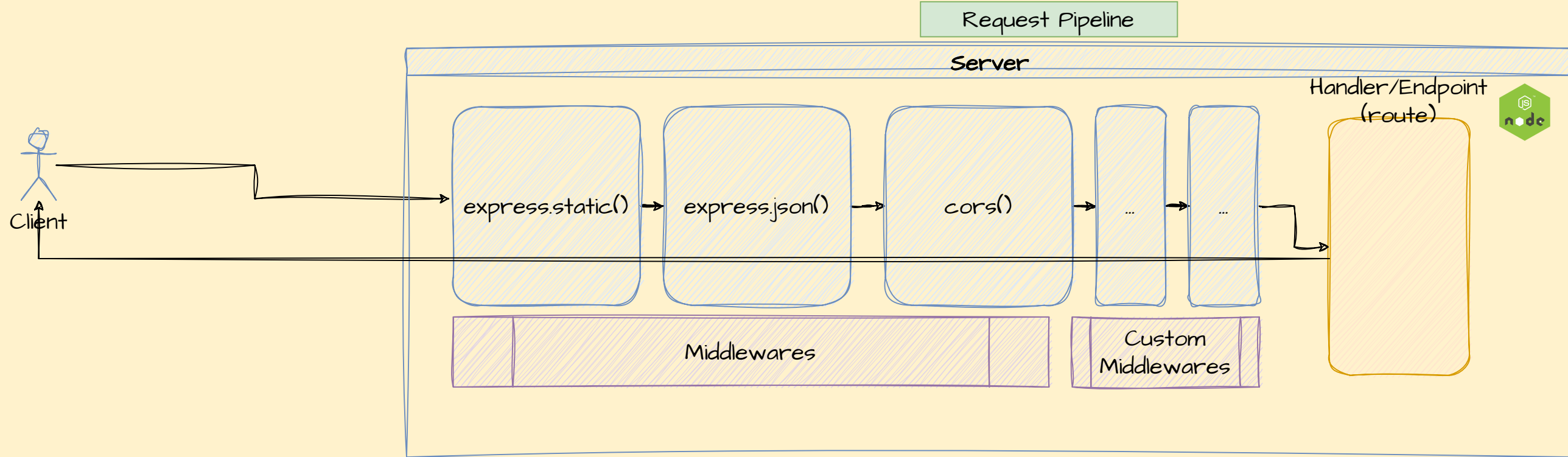
REPL -
READ
EVALUATE
PRINT
LOOP



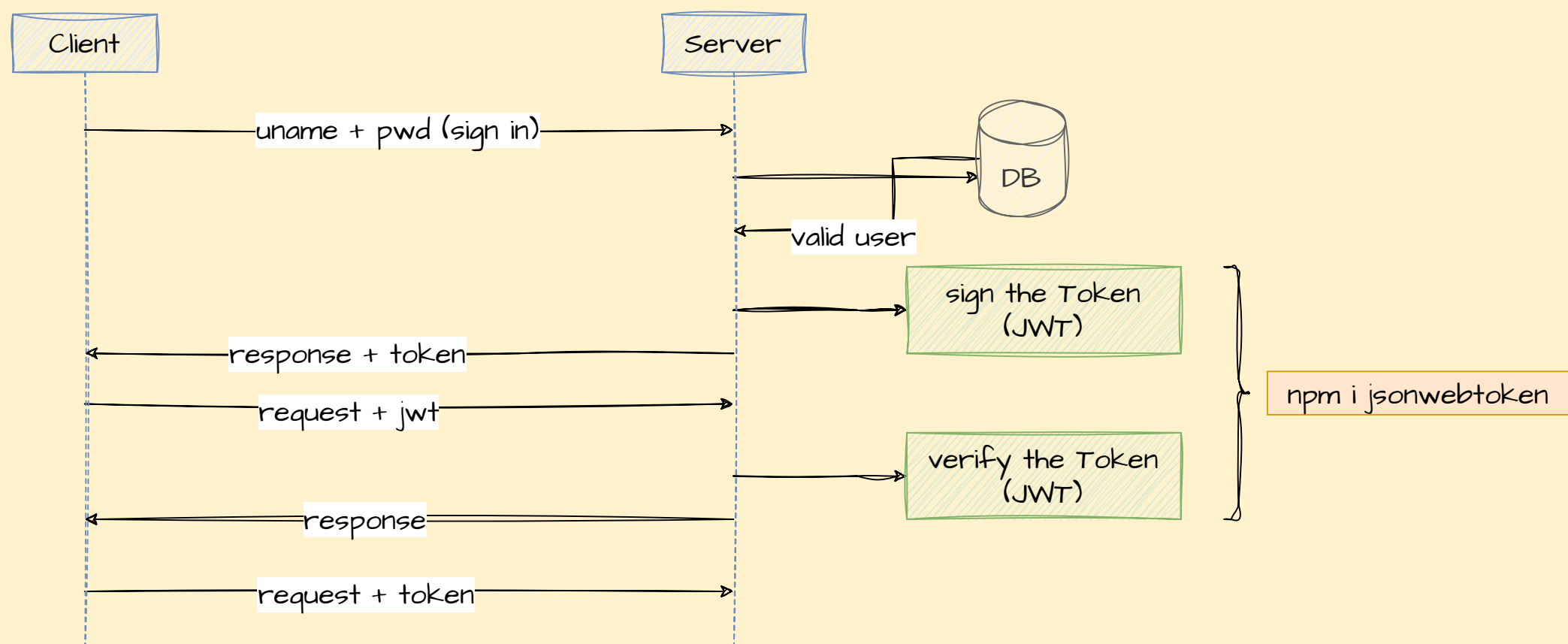
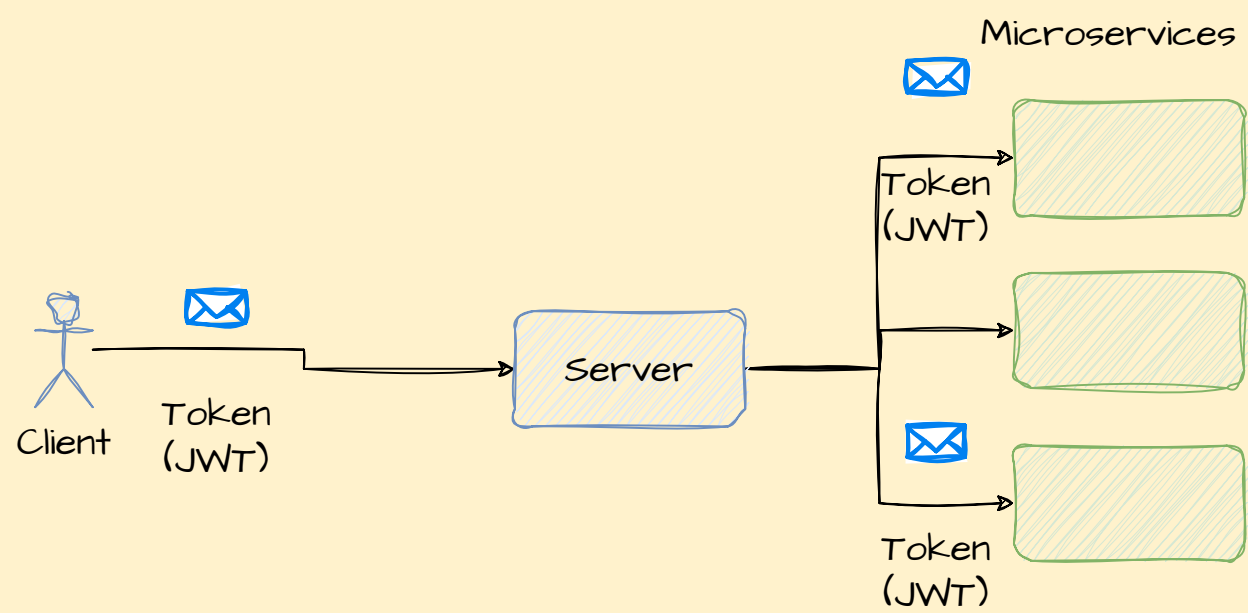
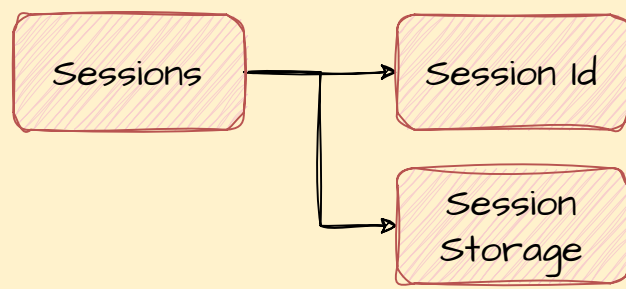
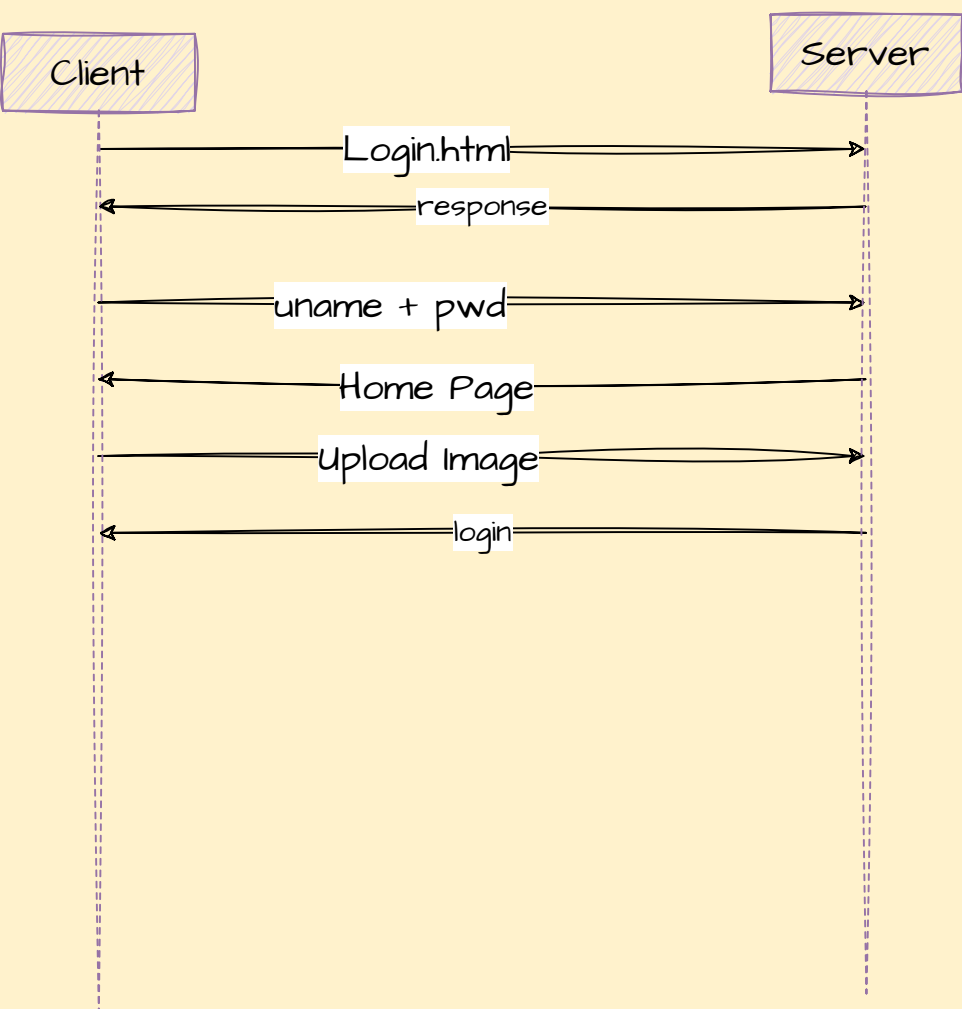


CORS - CROSS ORIGIN RESOURCE SHARING



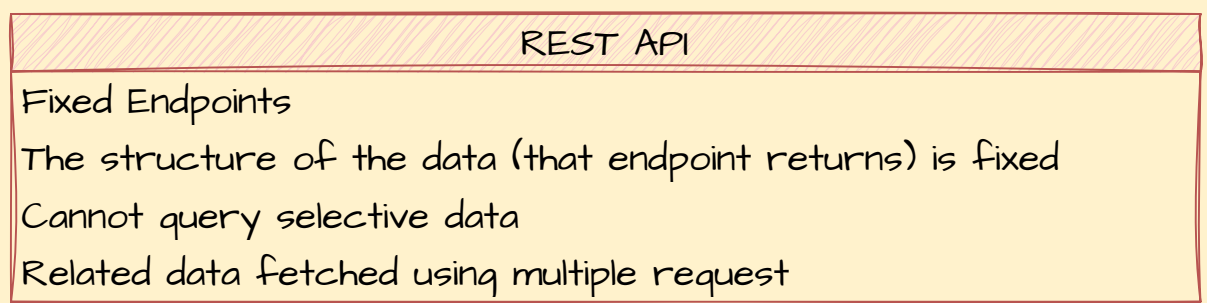
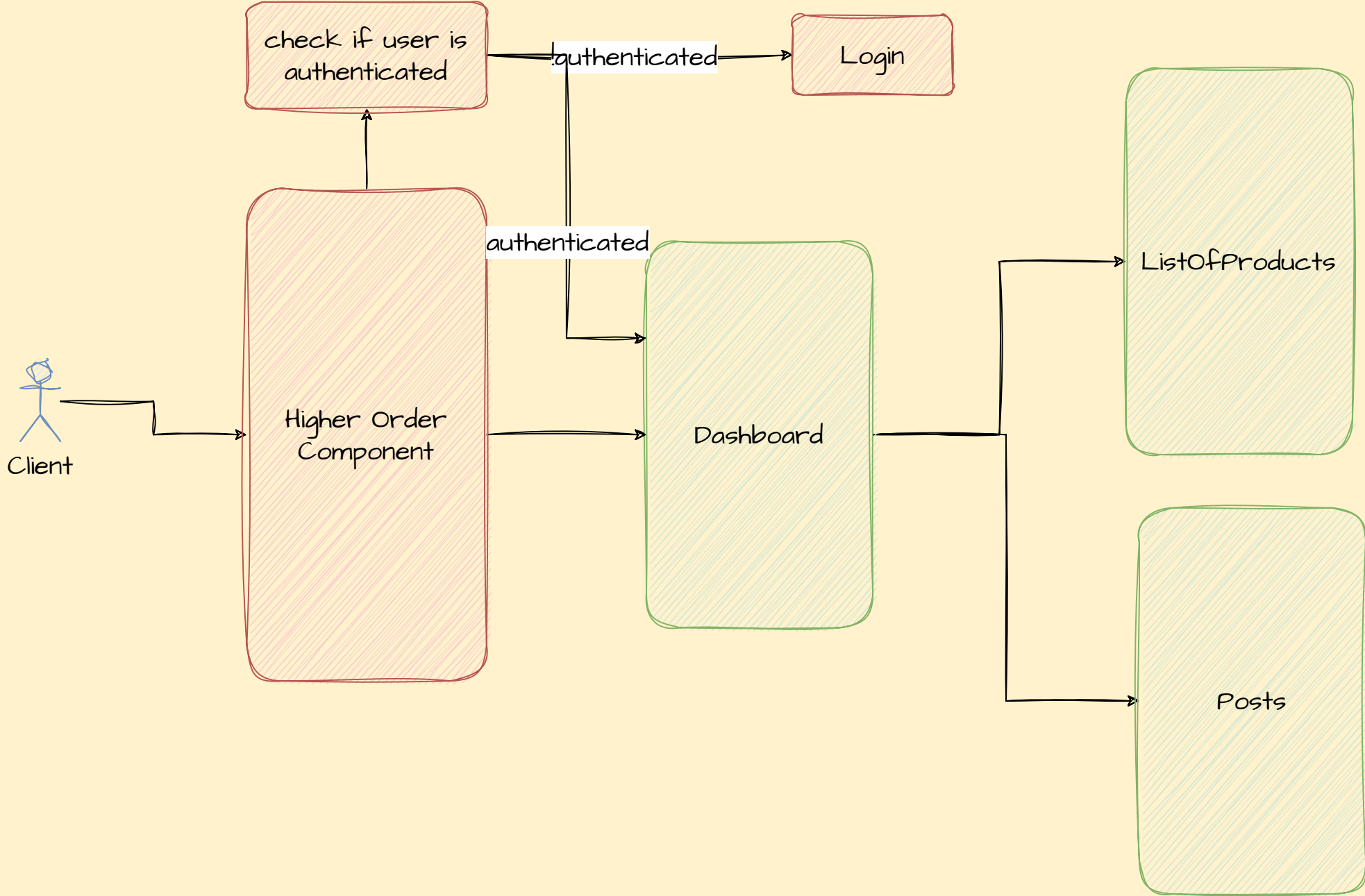


Http is a stateless protocol

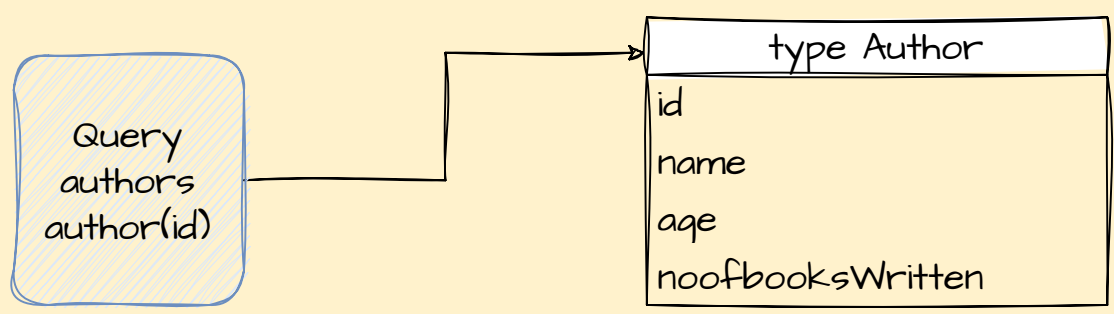
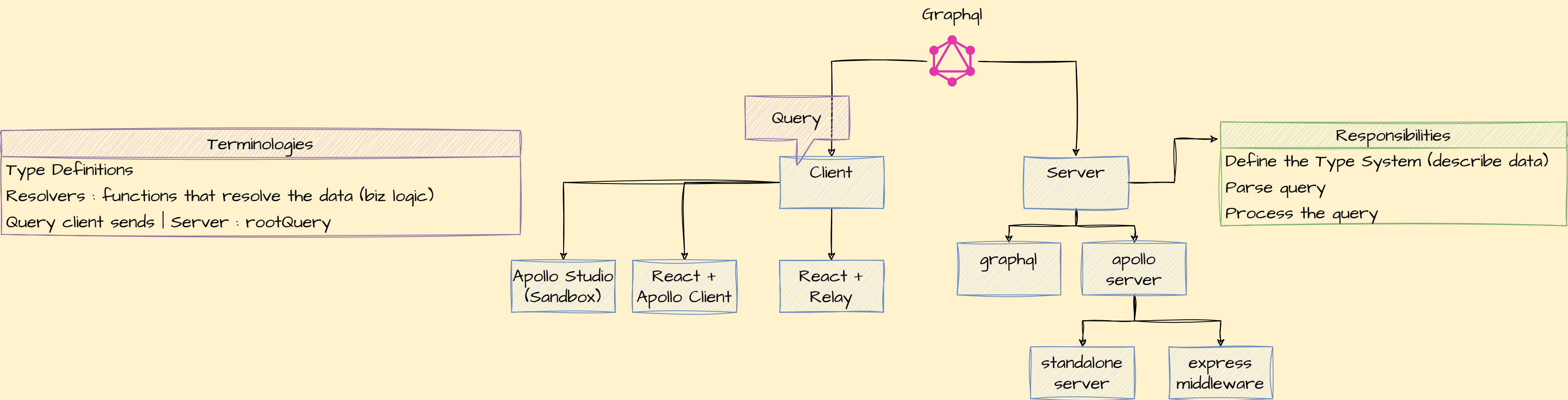
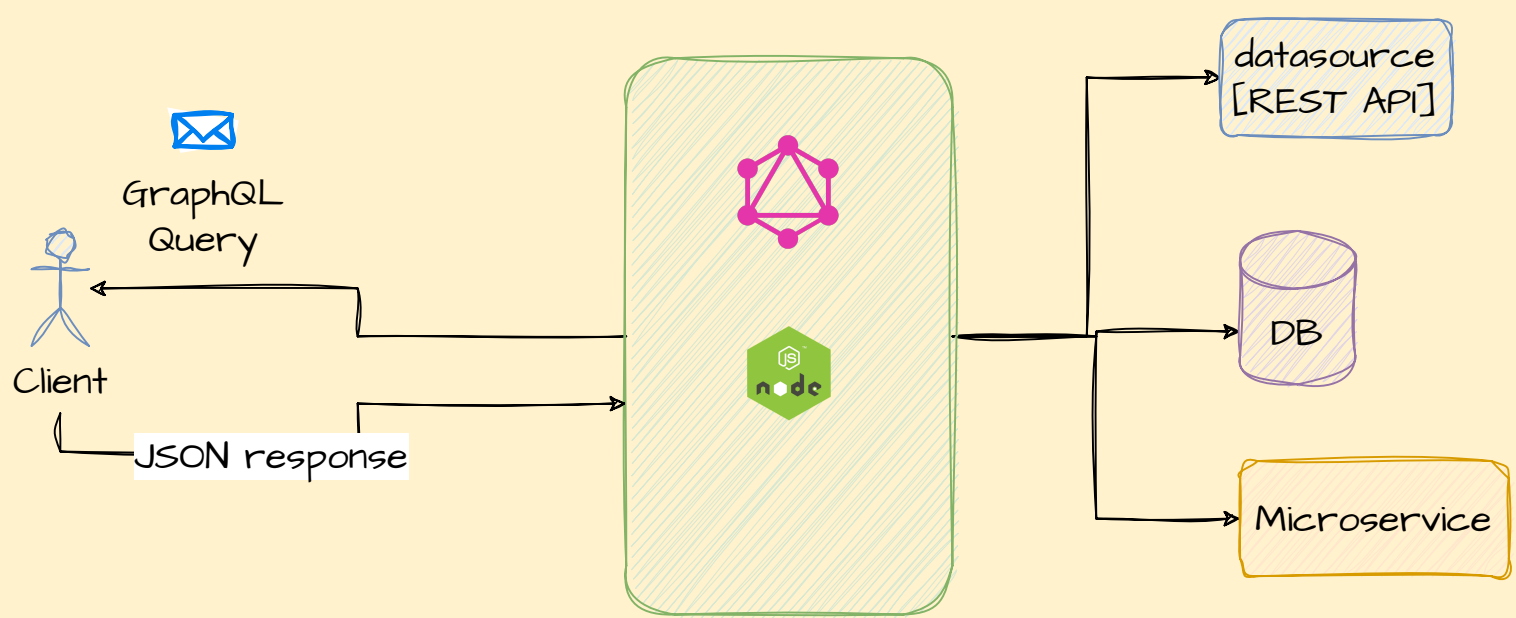
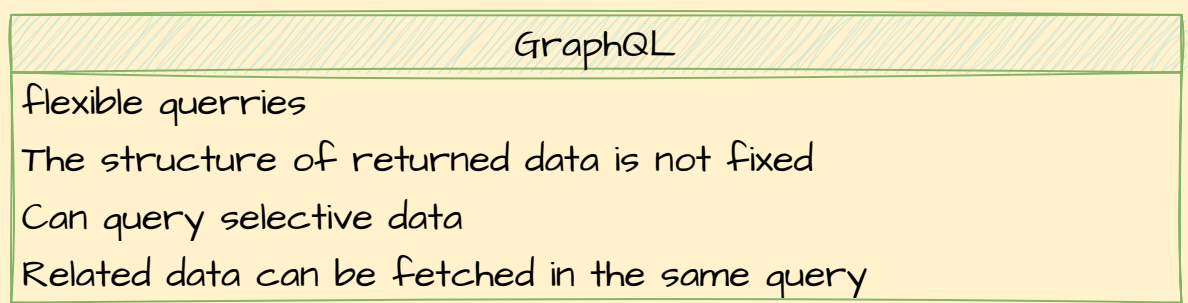


/products
/newproduct
/delete/1

} verify



vs

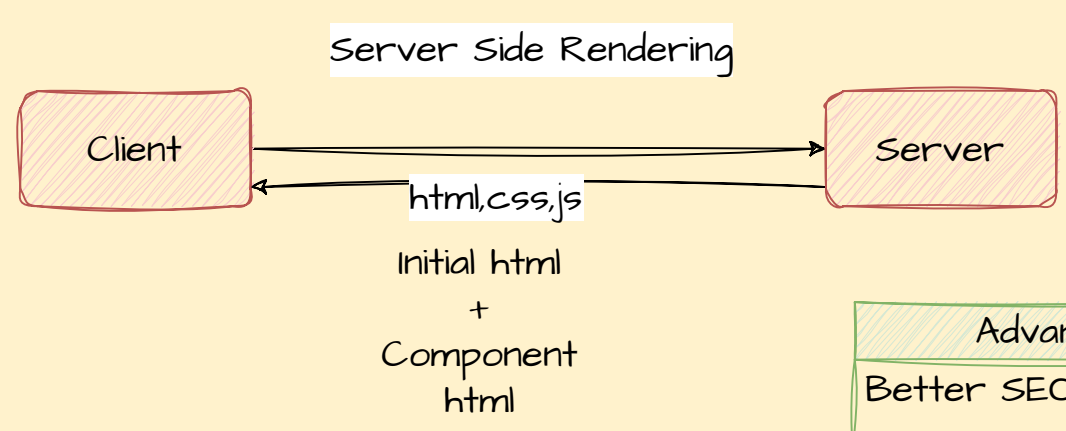
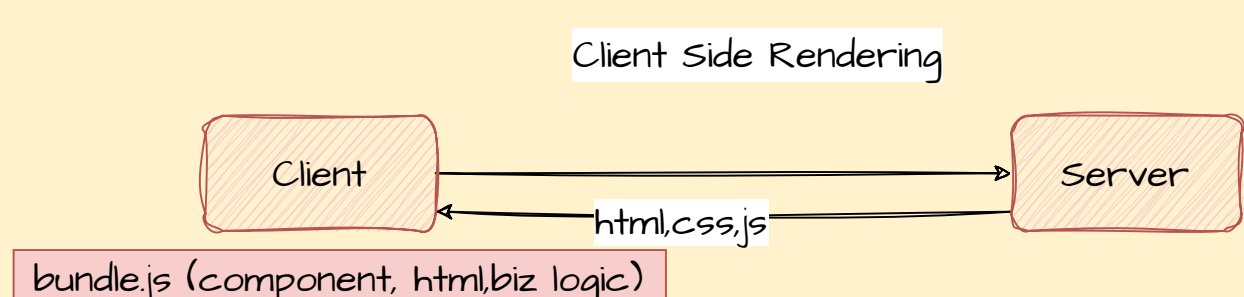
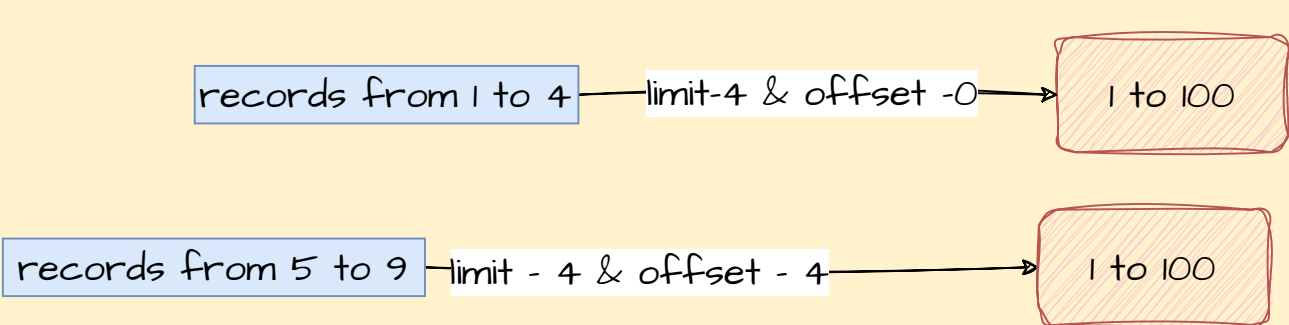
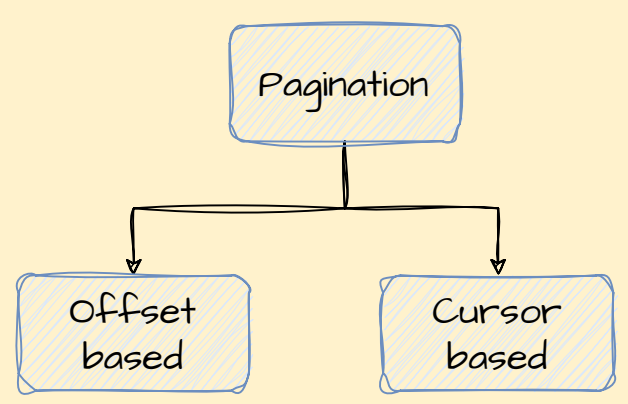
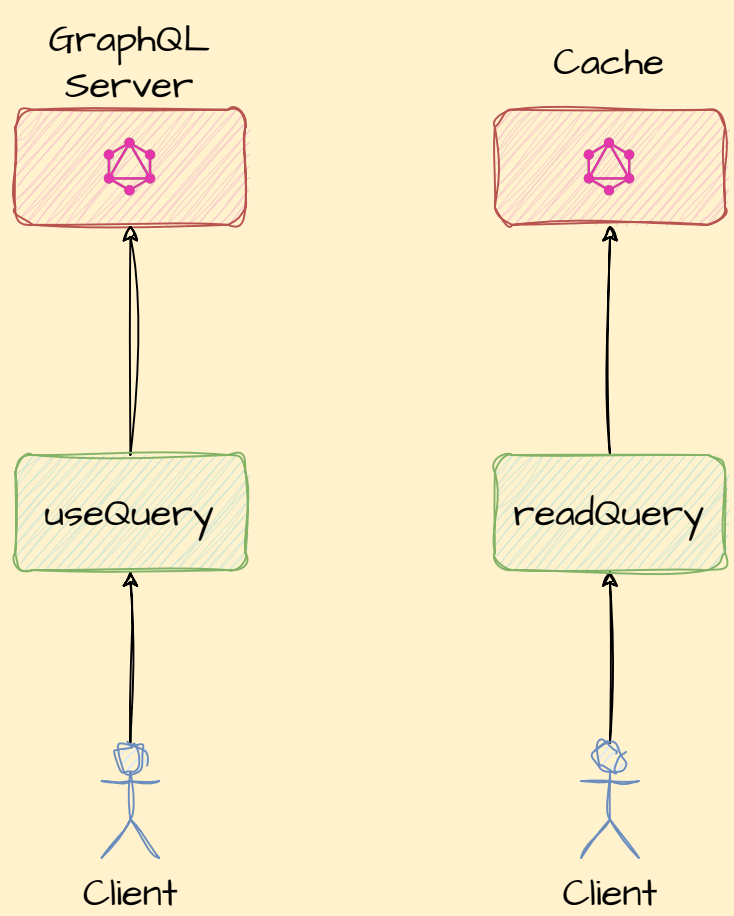
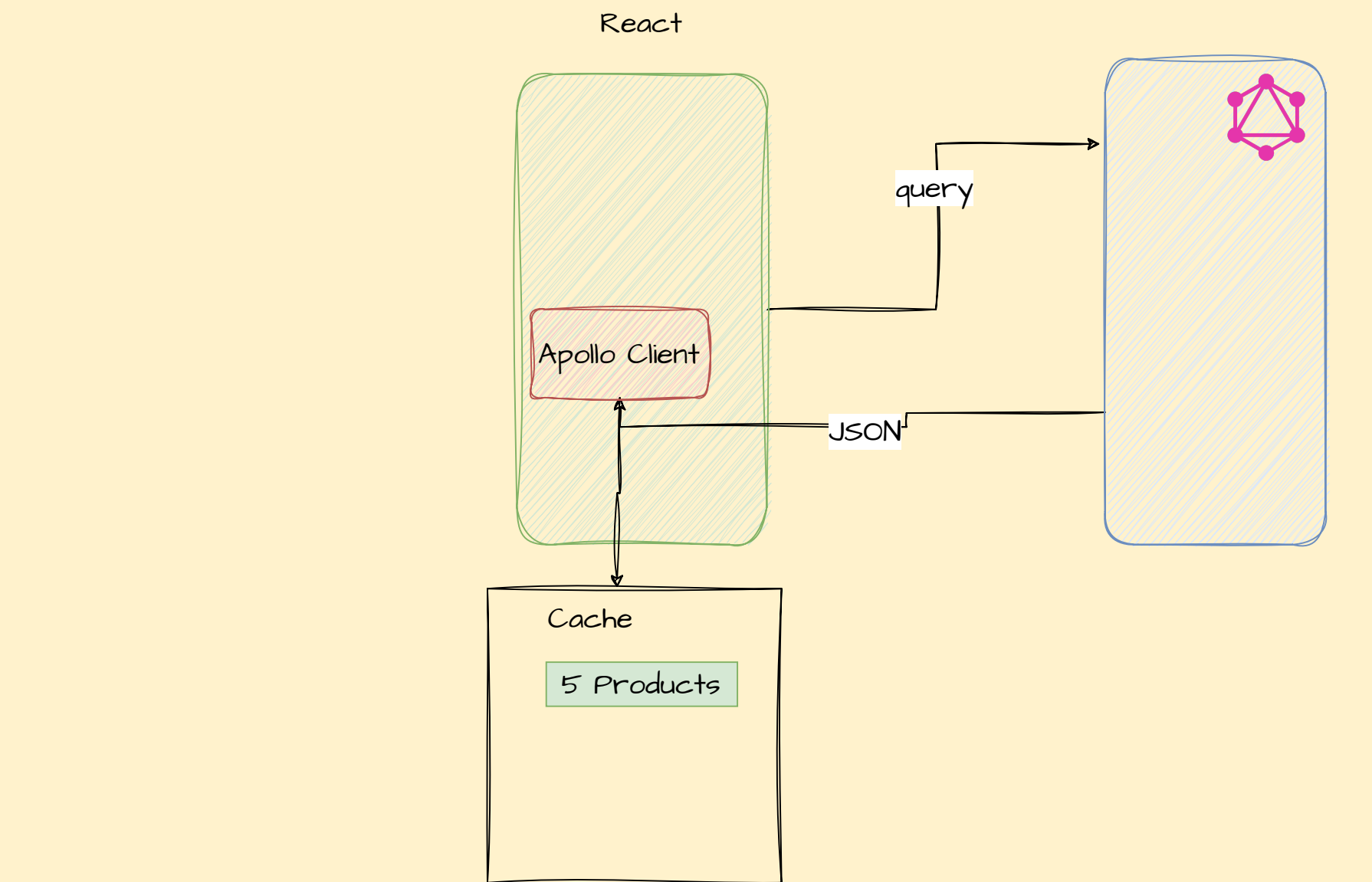


Apollo Server as an Express Middleware

GraphQL Server
(Apollo Server)

Express





- Advantages
- Better SEO
 - Faster Landing Page