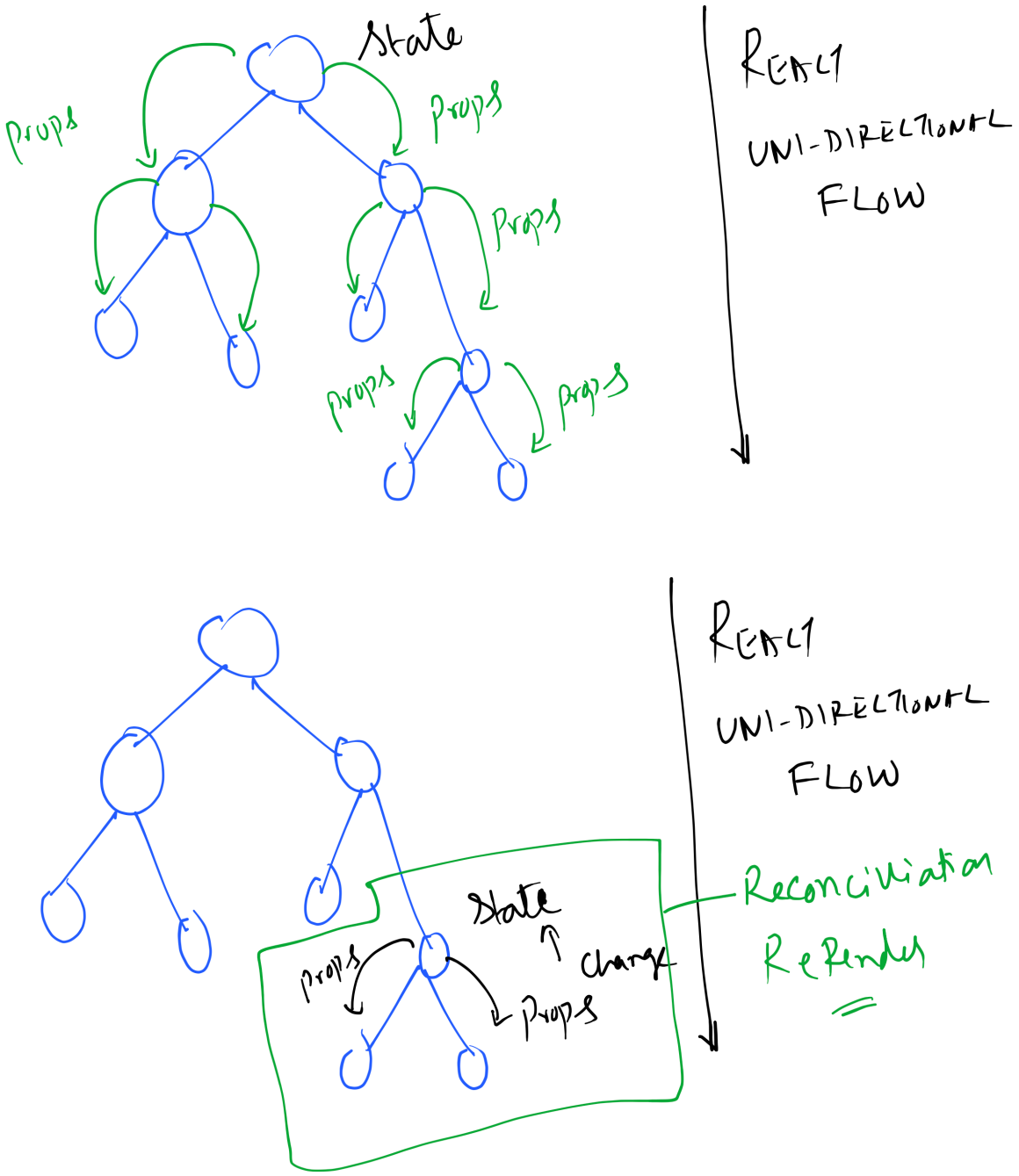
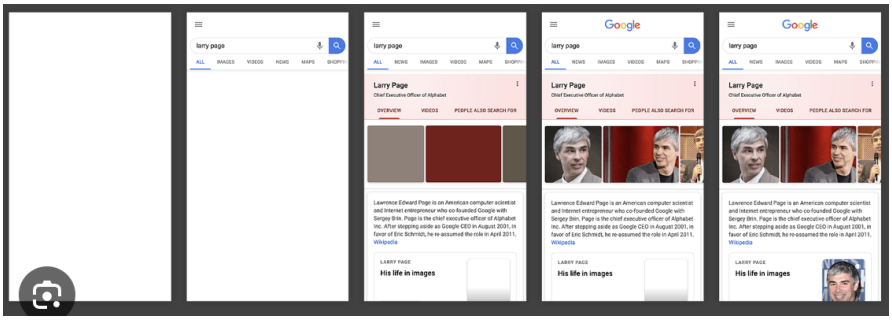
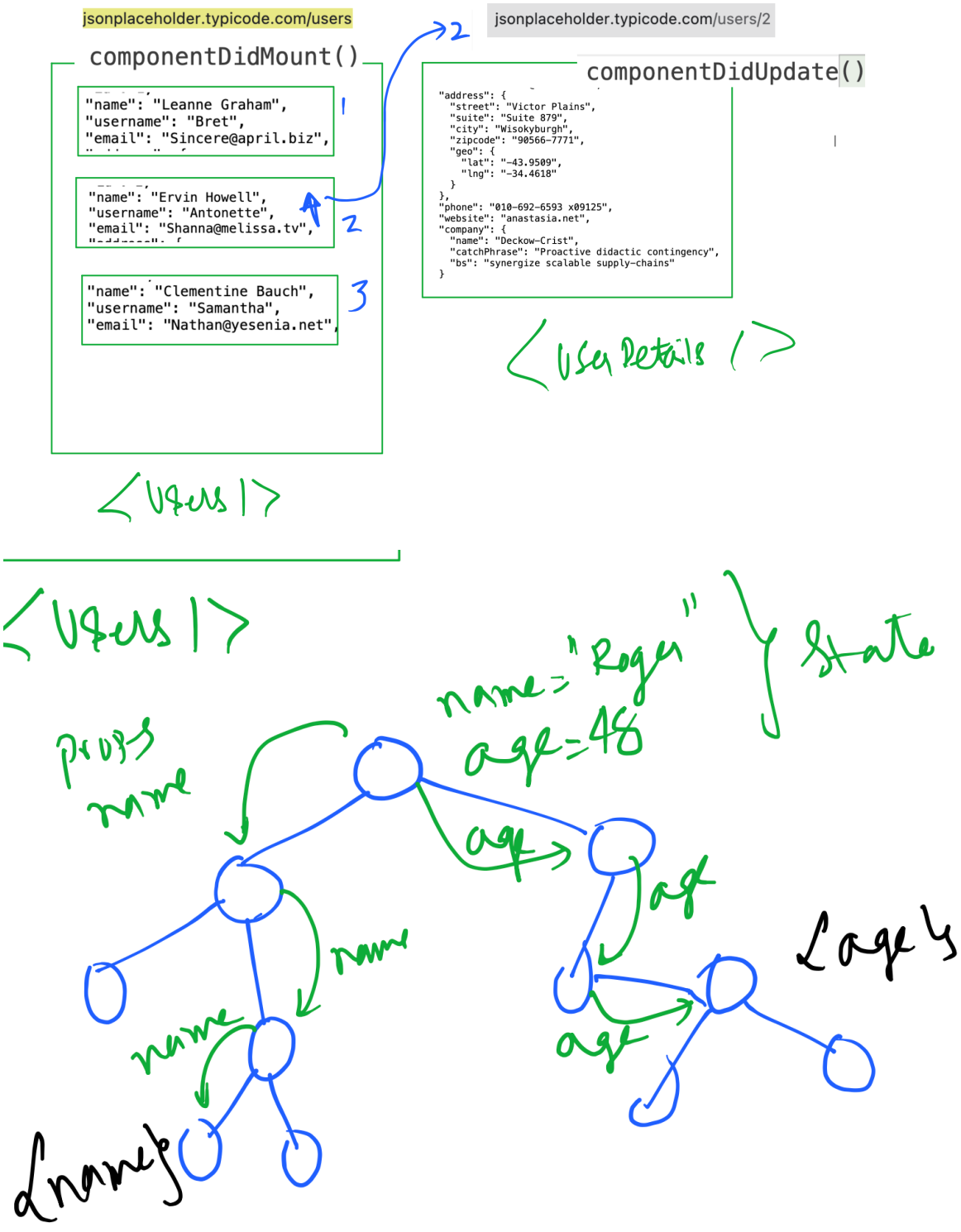
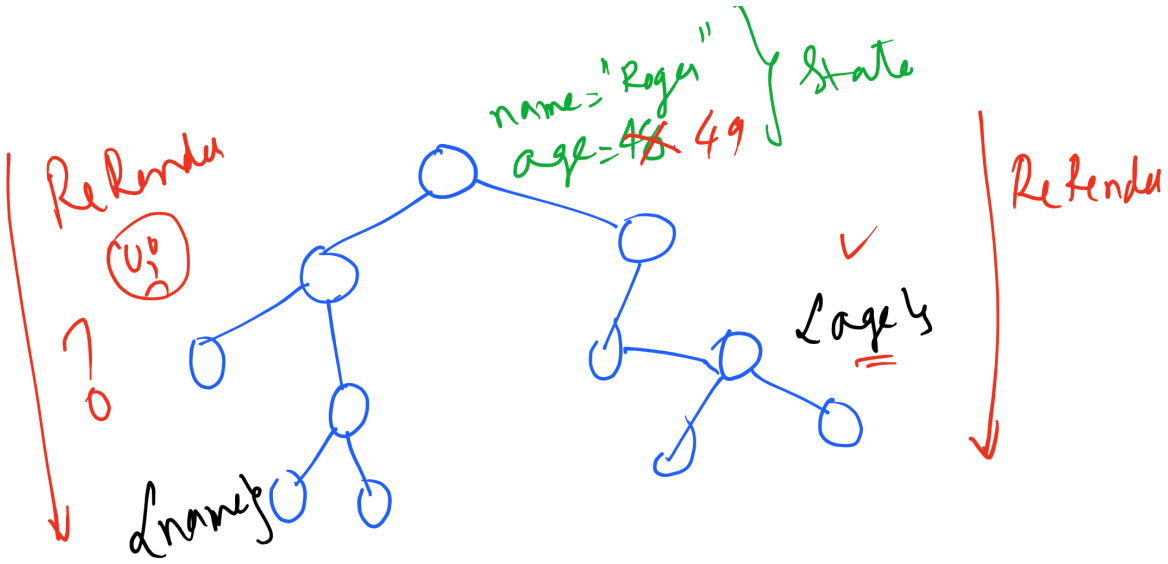
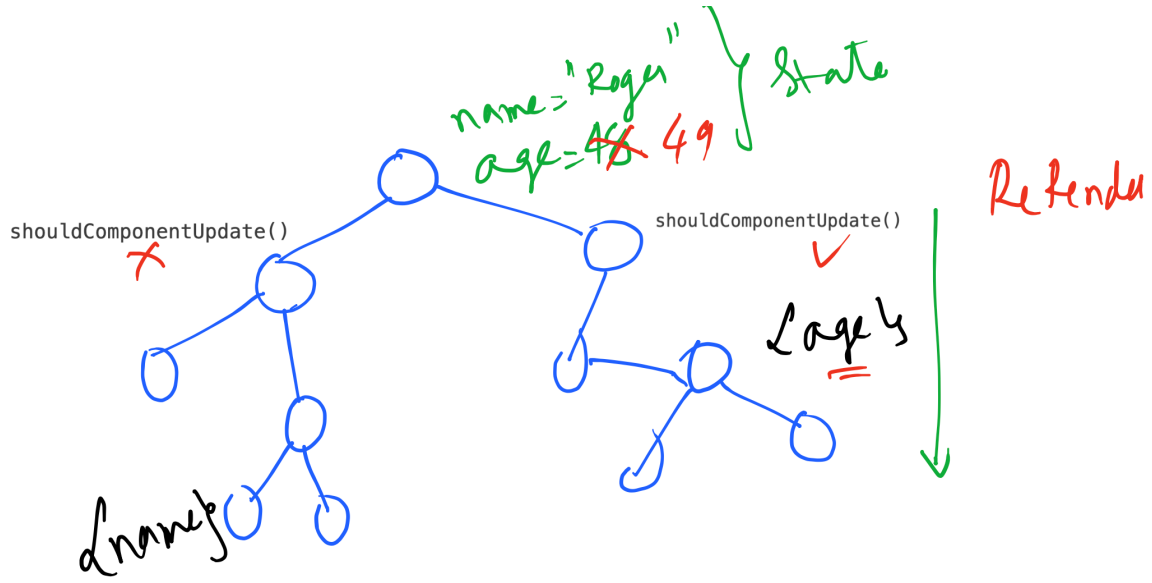

State
Props
Props
Props
Props
Props
REACT
UNI-DIRECTIONAL
FLOW
State
change
Props
Props
REACT
UNI-DIRECTIONAL
FLOW
Reconciliation
ReRender

Type of Query	0 Matches	1 Match	>1 Matches	Retry (Async/Await)
Single Element				
`getBy...`	Throw error	Return element	Throw error	No
`queryBy...`	Return `null`	Return element	Throw error	No
`findBy...`	Throw error	Return element	Throw error	Yes
Multiple Elements				
`getAllBy...`	Throw error	Return array	Return array	No
`queryAllBy...`	Return `[]`	Return array	Return array	No
`findAllBy...`	Throw error	Return array	Return array	Yes




jsonplaceholder.typicode.com/users
componentDidMount()
"name": "Leanne Graham",
"username": "Bret",
"email": "Sincere@april.biz",
1
"name": "Ervin Howell",
"username": "Antonette",
"email": "Shanna@melissa.tv",
2
"name": "Clementine Bauch",
"username": "Samantha",
"email": "Nathan@yesenia.net",
3
2
jsonplaceholder.typicode.com/users/2
componentDidUpdate()
"address": {
"street": "Victor Plains",
"suite": "Suite 879",
"city": "Wisokyburgh",
"zipcode": "90566-7771",
"geo": {
"lat": "-43.9509",
"lng": "-34.4618"
}
},
"phone": "010-692-6593 x09125",
"website": "anastasia.net",
"company": {
"name": "Deckow-Crist",
"catchPhrase": "Proactive didactic contingency",
"bs": "synergize scalable supply-chains"
}
< UserDetails />
< Users />
< Users />
name = "Roger"
age = 48
State
Props
name
age
name
name
age
age
< name />
< age />


name="Roger"
age=~~46~~ 49
State
Rerender
Rerender
{age}
{name}


name="Roger"
age=~~46~~ 49
State
shouldComponentUpdate()
shouldComponentUpdate()
Rerender
{age}
{name}