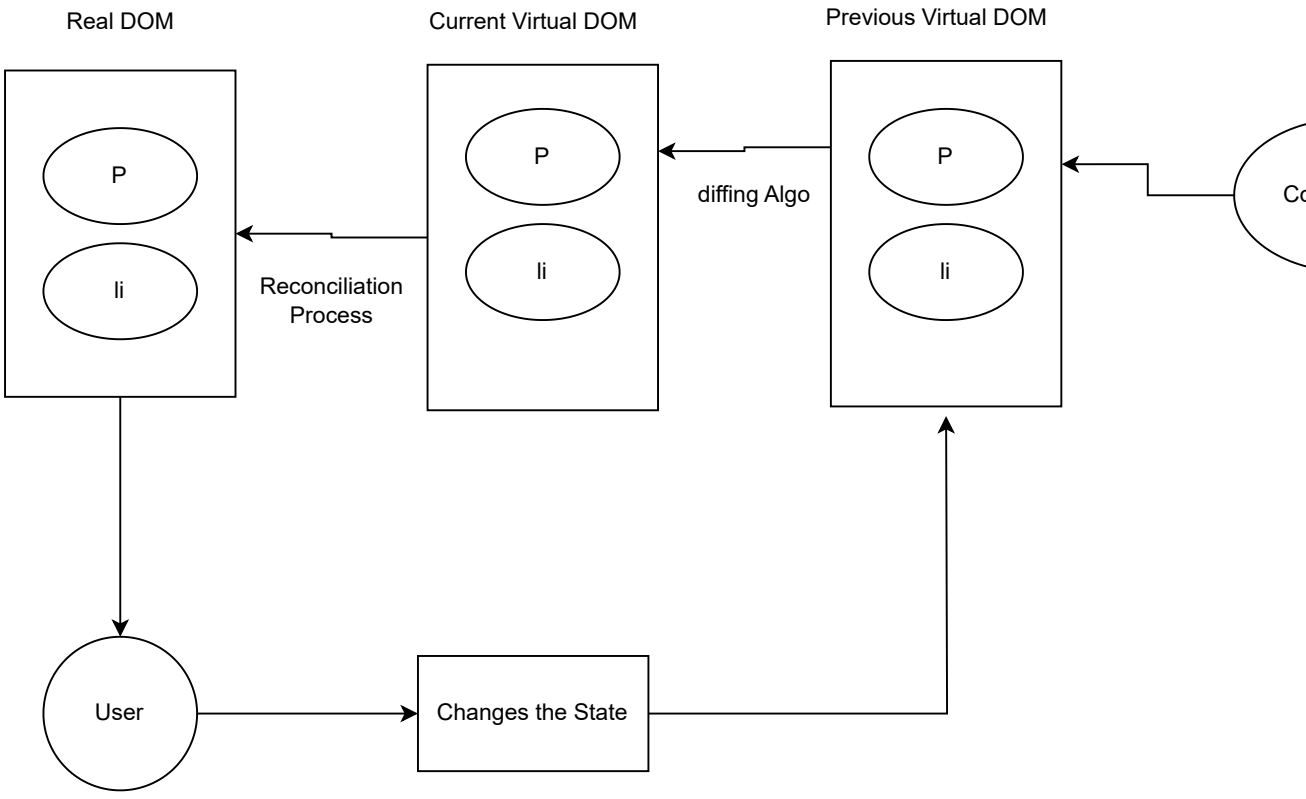
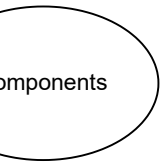
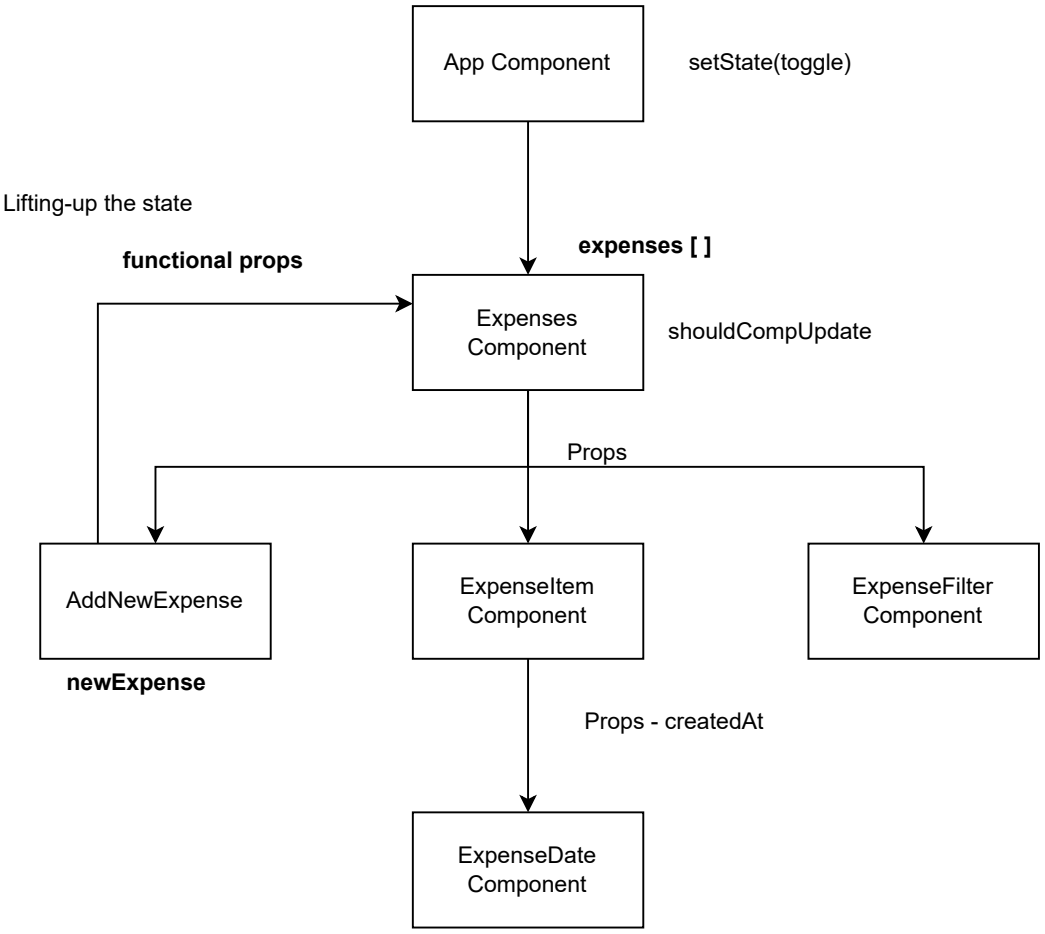
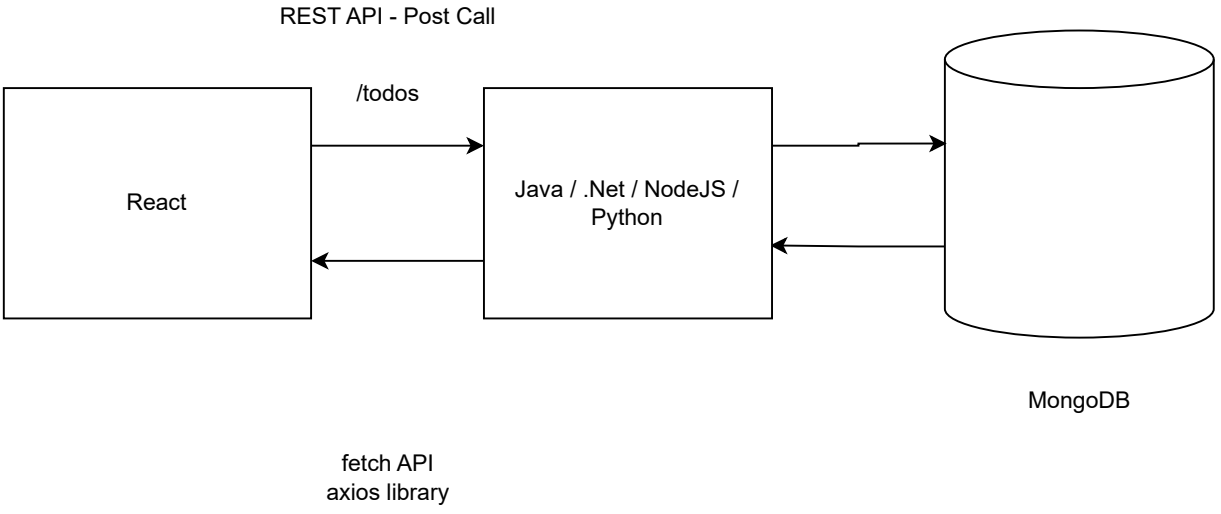
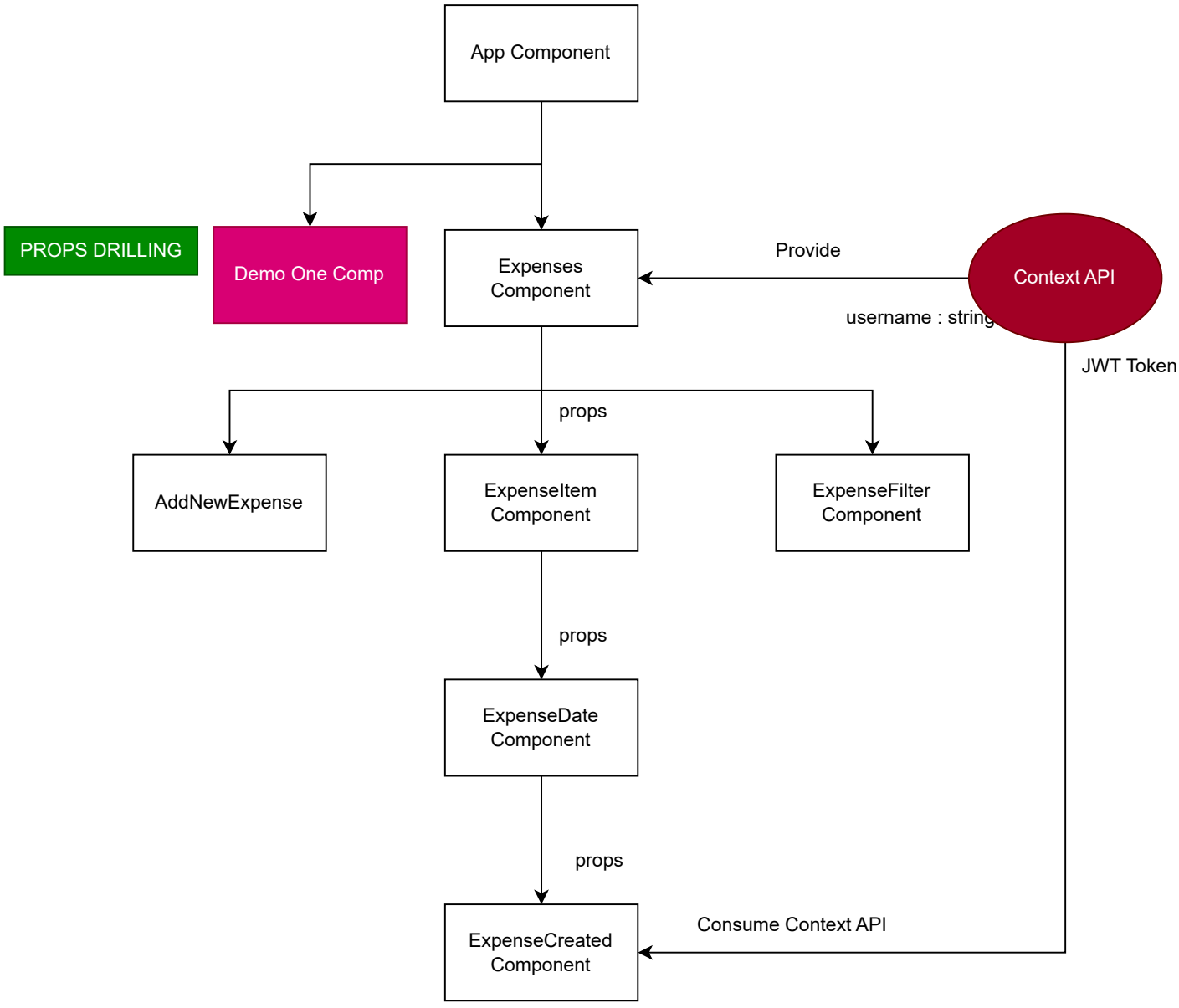
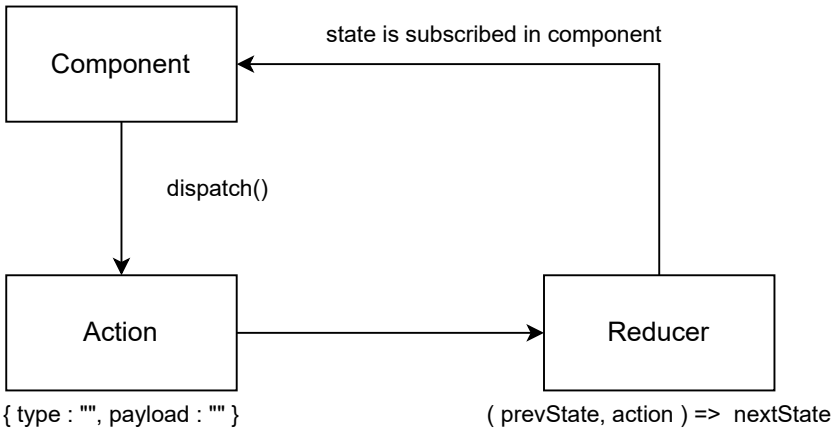

Real DOM
Current Virtual DOM
Previous Virtual DOM
P
li
P
li
P
li
Reconciliation
Process
diffing Algo
User
Changes the State

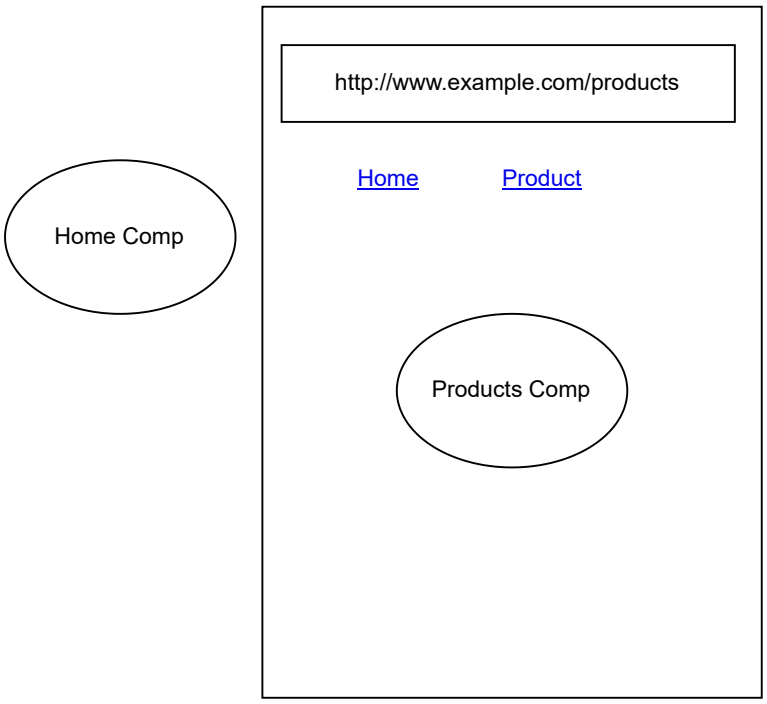
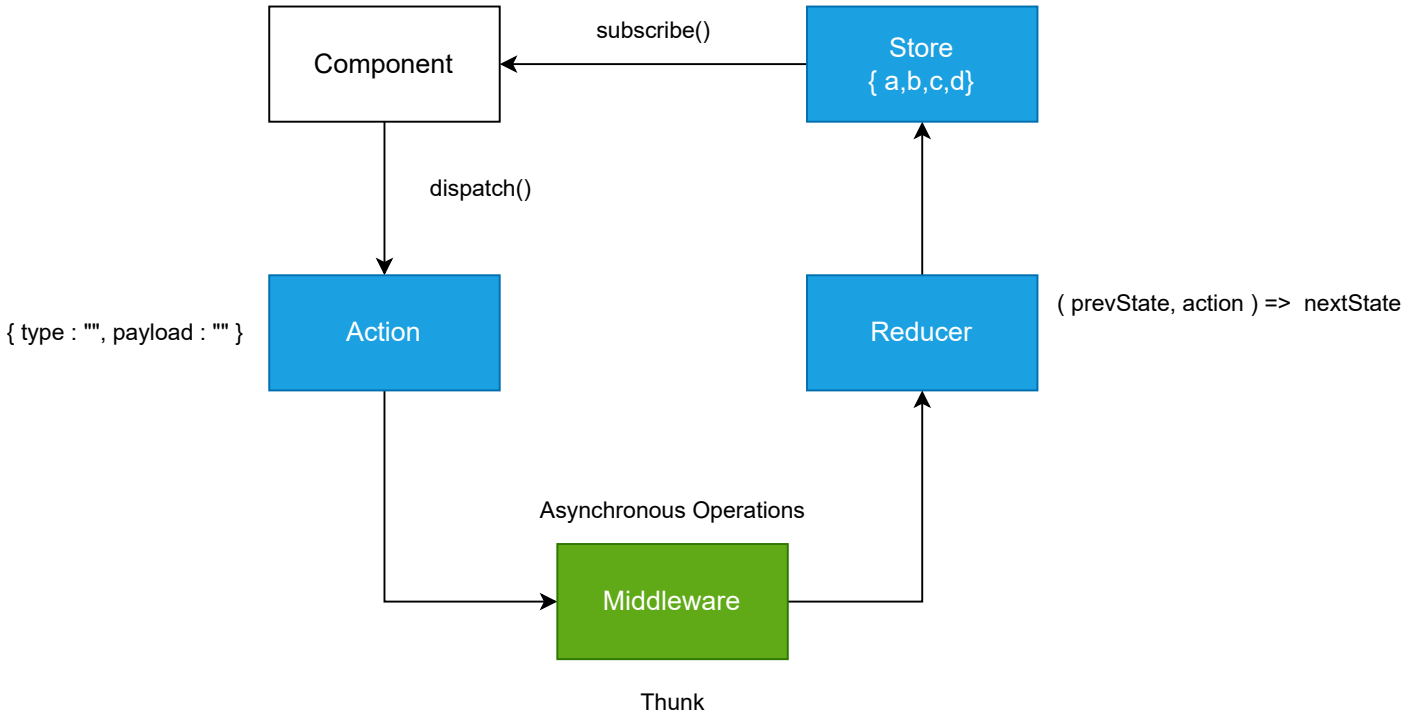

omponents


App Component
setState(toggle)
Lifting-up the state
expenses [ ]
functional props
Expenses Component
shouldCompUpdate
Props
AddNewExpense
ExpenseItem Component
ExpenseFilter Component
newExpense
Props - createdAt
ExpenseDate Component


REST API - Post Call
/todos
React
Java / .Net / NodeJS /
Python
MongoDB
fetch API
axios library


App Component
PROPS DRILLING
Demo One Comp
Expenses Component
Provide
Context API
username : string
JWT Token
props
AddNewExpense
ExpenseItem Component
ExpenseFilter Component
props
ExpenseDate Component
props
ExpenseCreated Component
Consume Context API


Component
state is subscribed in component
dispatch()
Action
Reducer
{ type : "", payload : "" }
(prevState, action) => nextState


http://www.example.com/products
Home
Product
Home Comp
Products Comp

Redux Unidirectional Data Flow Pattern