Left section (black)

- └ folder structure
- └ JSX, Babel
- Components
  - functions (React 12+)
    - └ React 14 & └ React Hooks
  - class
- React 17 → class
- └ state
  - └ JS objects
  - └ Dynamic Data

(black, top middle)

- $ class
- → How to update state data
- 2) Events
- 3) Reconciliation Process
  - └ Diffing Algo
  - └ Virtual DOM
- 2) Props

Header/Footer diagram (red)

Header → Header.js
└ Header Component
└ return JSX

Card
└ Card
└ JSX

Footer → Footer.js
└ Footer Component
└ return JSX

facebook (red)

Profile   new Name   Account

- State
  - name: "Nina Jon"
  - └ name: "Niraj"
  - normally, └ Re-rendering for complete App
  - └ React JS
    - └ only Component using updated State

client / server (green & blue)

client → server (github)
front end
App re-render

client
frontend → name, github
only component using updated state

Reconciliation Process — updating state (blue/green)

Virtual DOM

App Component
→ JSX →
current DOM (current state) — compare — Virtual DOM (new state)
↓
using Diffing Algorithm

Browser / Real DOM
updated

Right section (green/blue)
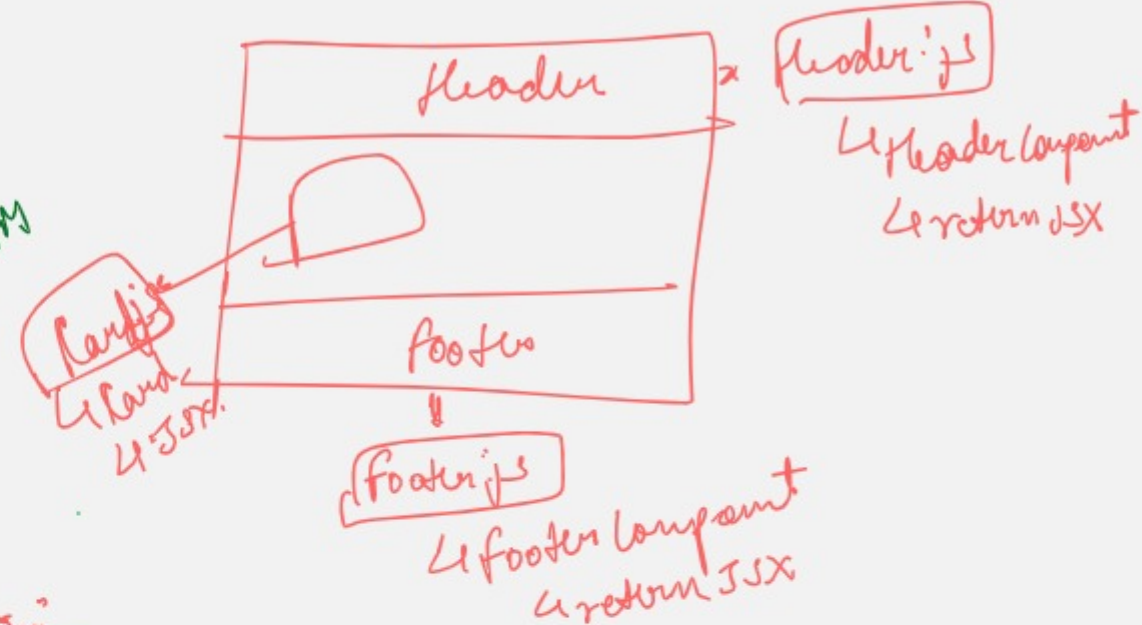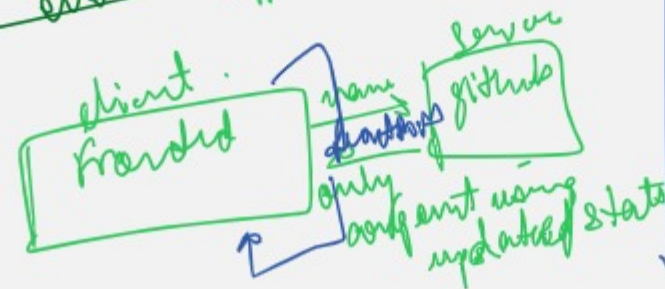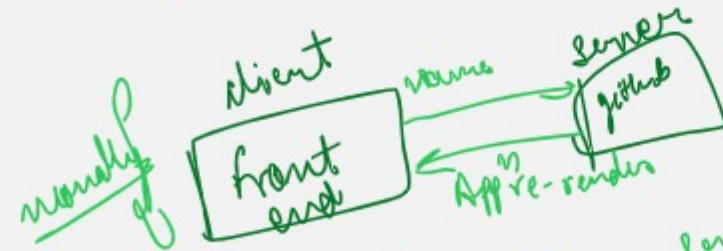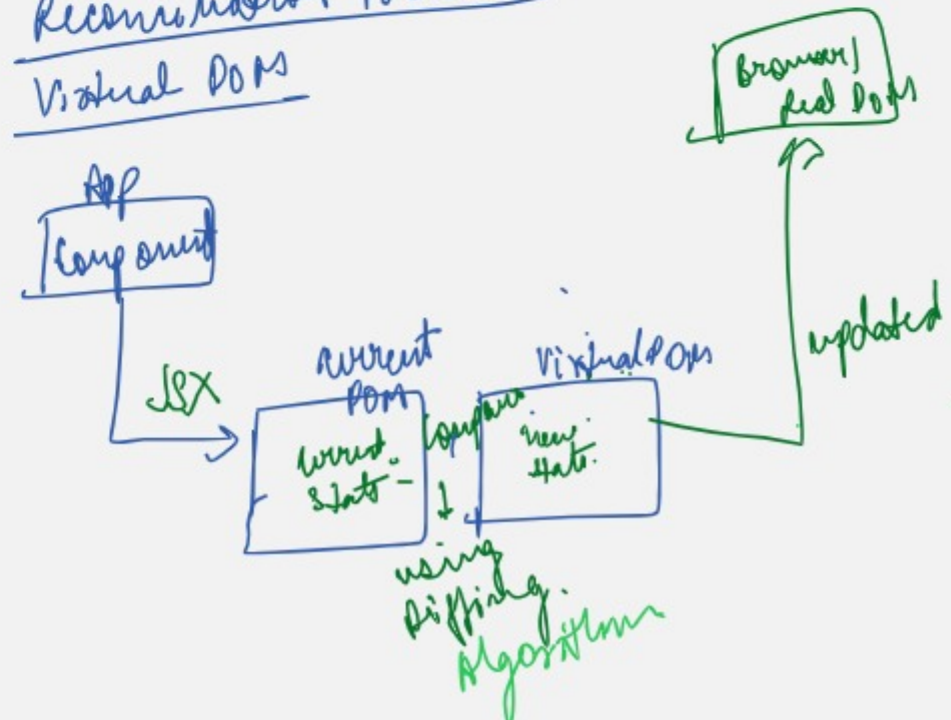
How to send data from 1 component to another?
└ props (properties)

App (Root)

flow of data ↓

Details

Book

one-way data binding