

FRONTEND

HTML - HyperText Markup Language (structure)

CSS - Cascading Style Sheets (look/feel)

JS - JavaScript (functionality/dynamic content)

TS - TypeScript (strong typing for JS)

React - framework for JS/TS SPAs

HTML Structure = We markup text with tags to

say what each piece should be

HTML5



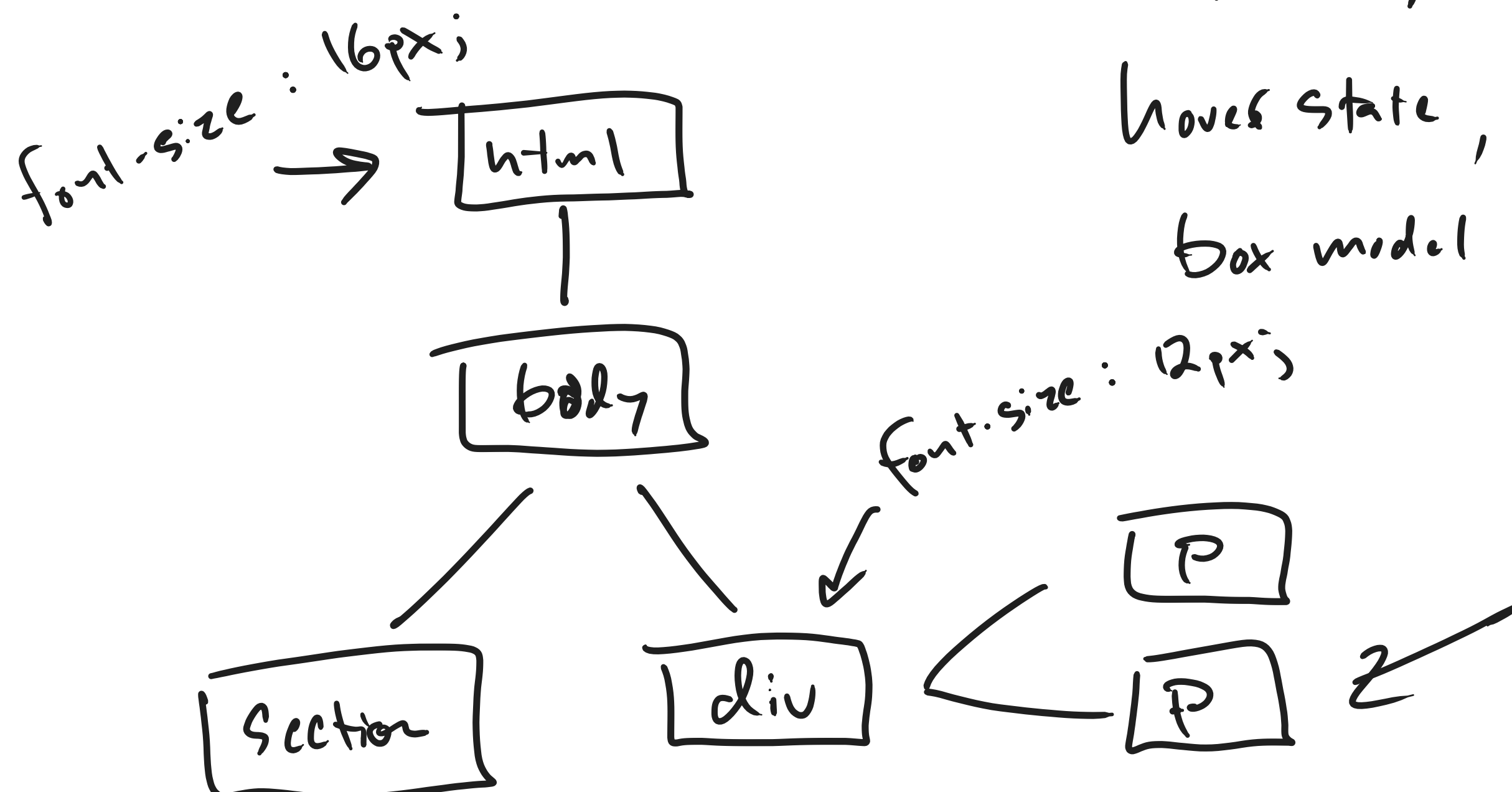
DOM
Document
Object
Model

CSS Look + Feel = Color, BG, size, wrapping,

hover state, pointer type,

box model (border, margin, padding)

font-size: 16px



JS/TS Functionality = JS Runs in the Browser!

Single-Threaded Language

Not OOP
Lang!

↳ Event Loop

Most Java functionality = present

↳ lots of abstractions!

async/await

React SPAs = Single-Page Application

Managed by meta

MANY free packages/libraries

npm.org

Component Structure

SPA = 1 HTML page

JSX/TSX



↳ App runs on that single page = no blips
maintain data
UX smoother

- ONLY render what has changed

- routing allows us to display different
"pages" in our app