

Side Effects, Async Tasks & Redux

Reducers must be pure, side-effect free, synchronous functions

Input (Old State +
Action)



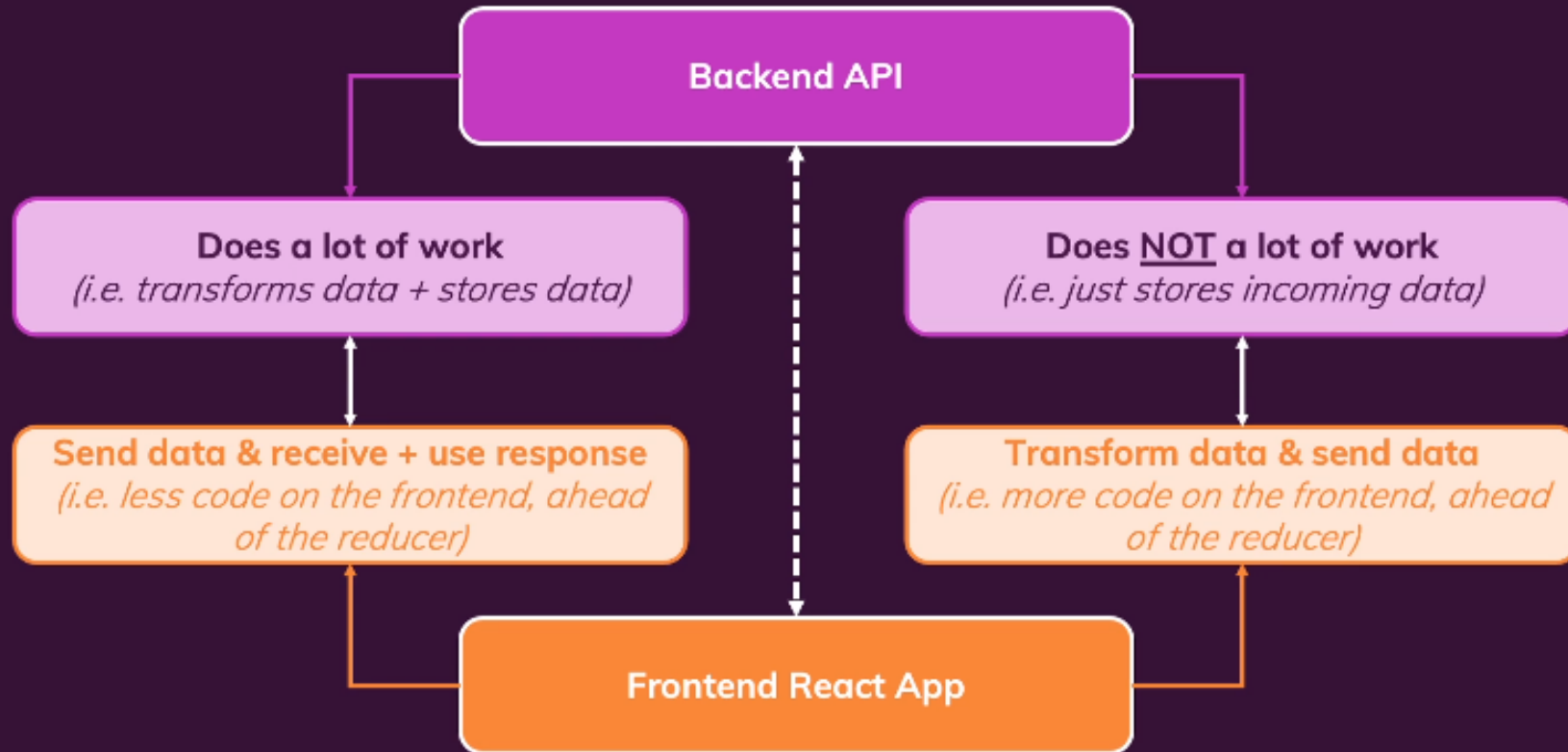
Output (New State)

Where should side-effects and async tasks be executed?

Inside the **components** (e.g. `useEffect()`)

Inside the **action creators**

Frontend Code Depends On Backend Code



Fat Reducers vs Fat Components vs Fat Actions

Where should our logic (code) go?

Synchronous, side-effect free code (i.e. data transformations)

Prefer Reducers

Avoid Action Creators or Components

Async code or code with side-effects

Prefer Action Creators or Components

Never use Reducers

What is a “Thunk”?

A function that delays an action until later



An action creator function that does NOT return the action itself but another function which eventually returns the action