React

COMPONENT, INSTANCE AND ELEMENT
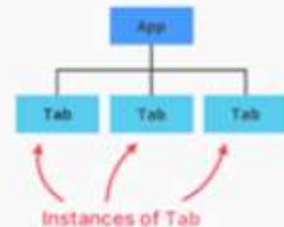

Component

```
function Tab ({ item }) {
  return (
    <div className='tab-content'>
      <h4>All contacts</h4>
      <p>Your post will be visible</p>
    </div>
  );
}
```

👉 **Description** of a piece of UI

👉 A component is a function that **returns React elements** (element tree), usually written as JSX
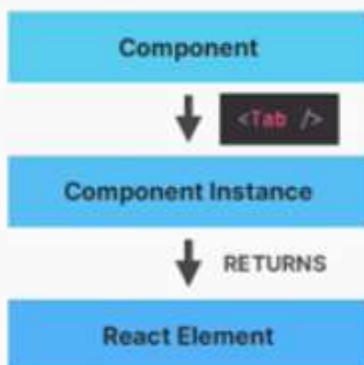
👉 "Blueprint" or "Template"

React

Component → Component Instance

- Instances are created when we **"use"** components
- React internally calls Tab()
- Actual **"physical" manifestation** of a component
- Has its own state and props
- Has a **lifecycle** (can "be born", "live", and "die")

Component → Component Instance → RETURNS → React Element

REACT ELEMENT

- JSX is converted to React.createElement() **function calls**
- A React element is the **result of these function calls**
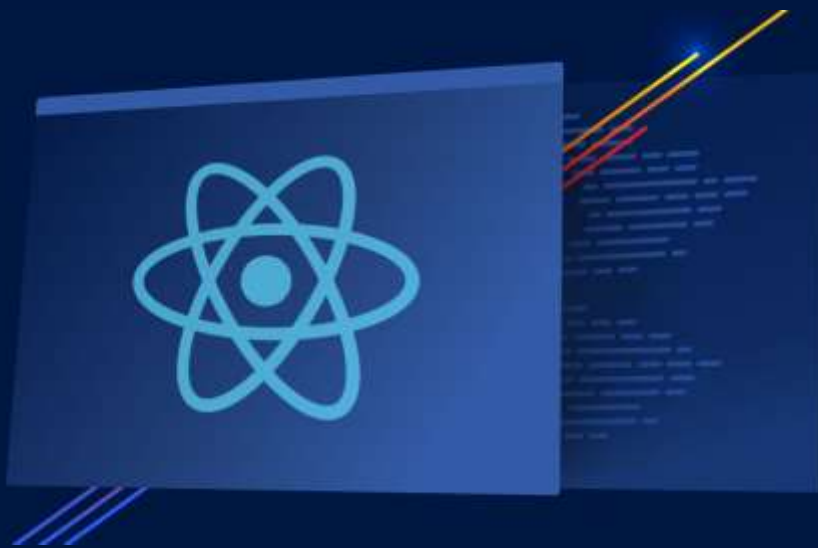- Information necessary to create **DOM elements**

React
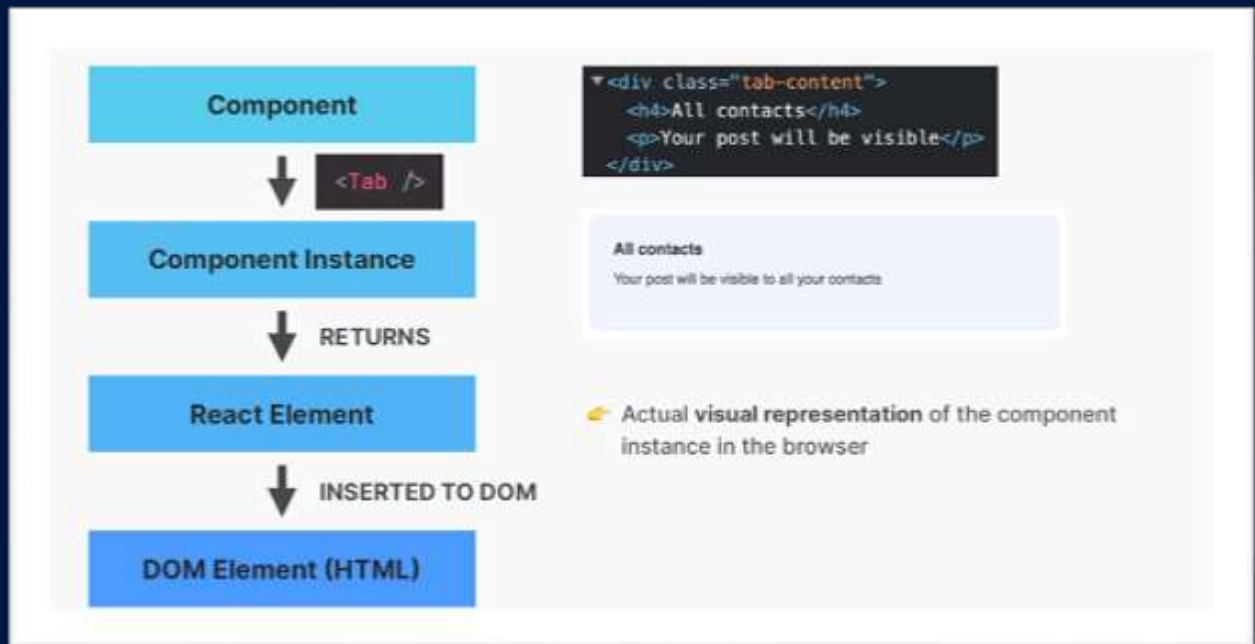
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