



Part-3



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Part – 3



Outline

Recap – What we learnt?

Interactive Web Apps

Static vs Dynamic

What we'll Learn?

Project – Meme Generator

Header Component

Meme Component

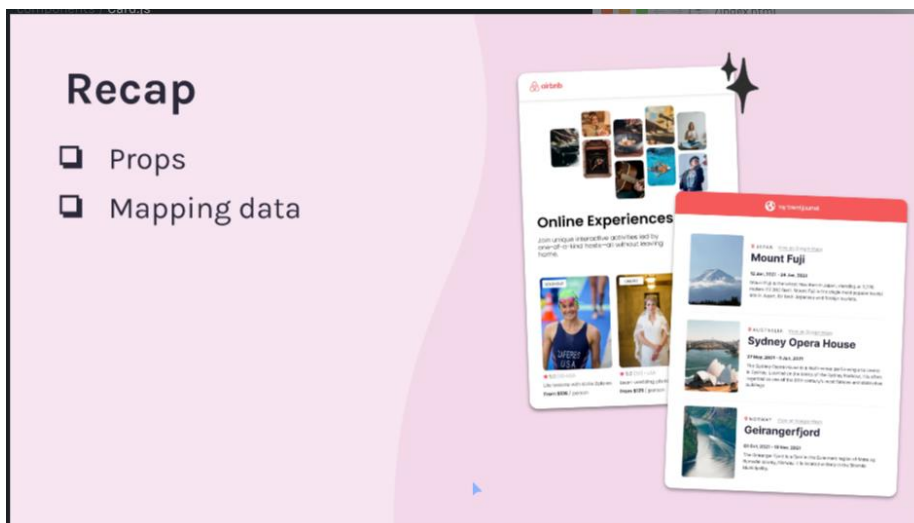
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Recap

- What we have learnt so far...



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Recap

- What we have learnt so far...



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Interactive Web Apps



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Static v/s Dynamic



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Static v/s Dynamic



Static Web Pages

- ❑ Read-only, no changes to data
- ❑ Examples
 - ❑ Blogs
 - ❑ News sites
 - ❑ Recipes
 - ❑ etc.

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Static v/s Dynamic



Dynamic Web Apps ✨

- ❑ Read-write: ability to change data
- ❑ Highly interactive
- ❑ Displays **your** data
- ❑ Examples:
 - ❑ Bank website
 - ❑ Airbnb
 - ❑ etc.

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Learn



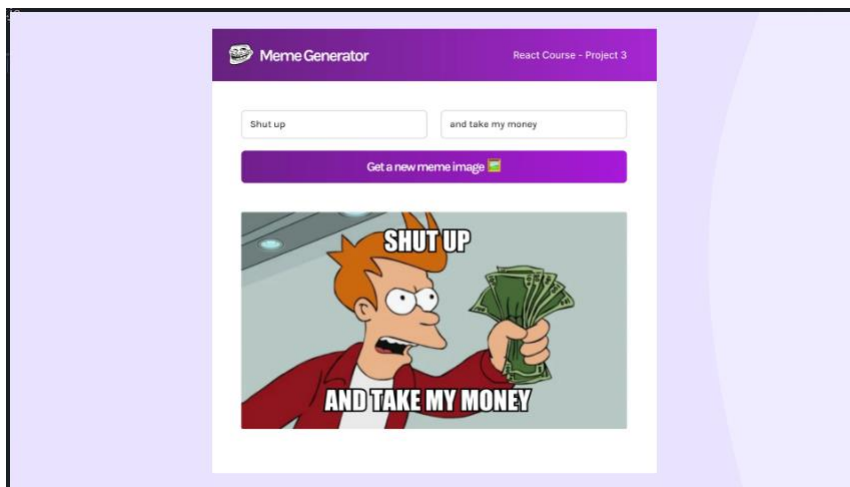
What we'll learn

- ❑ Event listeners
- ❑ State
- ❑ Conditional rendering
- ❑ Forms
- ❑ Side effects

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Build



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Header Component

The screenshot shows a Visual Studio Code editor with the `Header.js` file open. The code defines a `Header` function component that returns a JSX element. The JSX element includes an `img` tag with `src="images/troll-face.png"` and `className="header--image"`, followed by an `h2` tag with `className="header--title"` and the text "Meme Generator", and an `h4` tag with `className="header--project"` and the text "React Course - Project 3". The component is exported as the default export.

```

1 import React from "react"
2
3 function Header() {
4   return (
5     <header className="header">
6       
10      <h2 className="header--title">Meme Generator</h2>
11      <h4 className="header--project">React Course - Project 3</h4>
12    </header>
13   )
14 }
15
16 export default Header
17

```

The browser window on the right shows the rendered output of the `Header` component at `localhost:3000`. It displays a purple header bar with the "Meme Generator" logo, the text "React Course - Project 3", and the rendered JSX elements.

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Meme Component

The screenshot shows a Visual Studio Code editor with the `Meme.js` file open. The code defines a `Meme` function component that returns a JSX element. The JSX element includes a `main` container with a `form` element. The `form` element contains two `input` tags with `type="text"`, `placeholder="Top text"` and `placeholder="Bottom text"`, and a `button` with `className="form--button"` and the text "Get a new meme image". The component is exported as the default export.

```

1 import React from "react"
2
3 function Meme() {
4   return (
5     <main>
6       <form className="form">
7         <input
8           type="text"
9           placeholder="Top text"
10          className="form--input"
11        />
12         <input
13           type="text"
14           placeholder="Bottom text"
15           className="form--input"
16        />
17         <button
18           className="form--button"
19         >
20           Get a new meme image
21         </button>
22       </form>
23     </main>
24   )
25 }
26

```

The browser window on the right shows the rendered output of the `Meme` component at `localhost:3000`. It displays a purple header bar with the "Meme Generator" logo, the text "React Course - Project 3", and the rendered JSX elements.

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