Using Props

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Using Props

Outline
Problem – Not Reusable
Need for 'props'
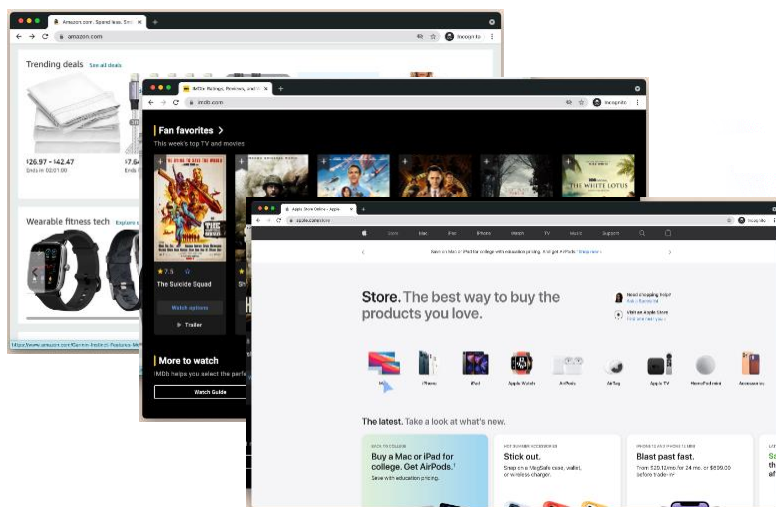**The Contact Component**
How to pass values?
The 'props' Object
Passing Non-String Data

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Problem – Not Reusable

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Need for props

- Look into the following **HTML** and **JS** codes

```html
1    <html>
2        <head></head>
3        <body>
4            <a>This is a link</a>
5            <img />
6            <input />
7        </body>
8    </html>
```

```
1    function addTwoNumbersTogether() {
2        return 1 + 2
3    }
```

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Need for props

- Look into the following **HTML** and **JS** code

```
1    <html>
2        <head></head>
3        <body>
4            <a href="https://google.com">This is a link</a>
5            <img src=""/>
6            <input />
7        </body>
8    </html>
```
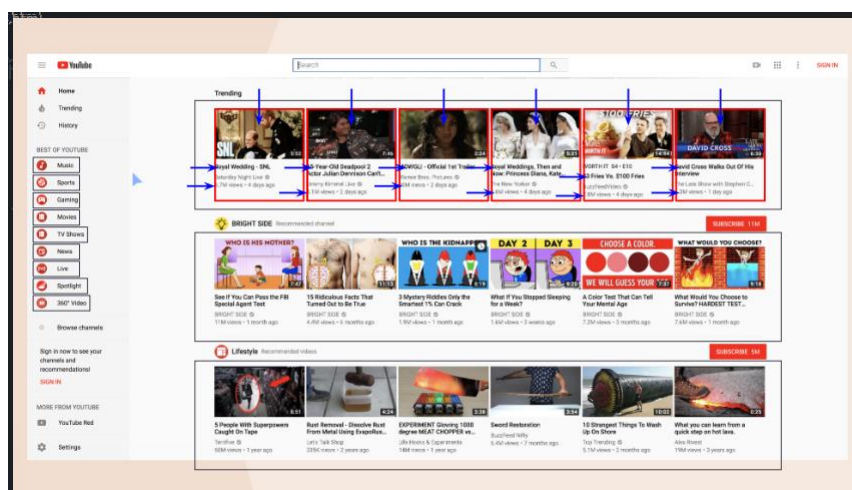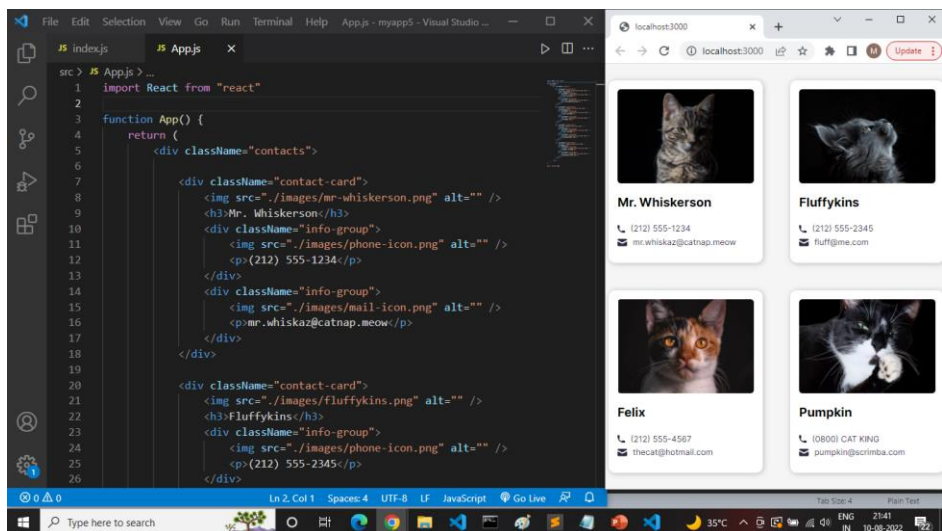
```
1    function addTwoNumbersTogether(a, b) {
2        return a + b
3    }
```

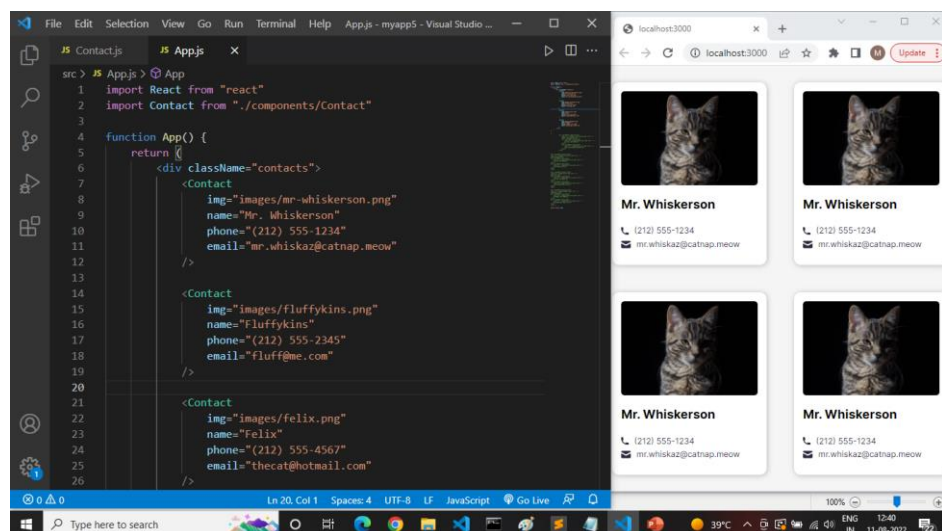*Mohamed Mukthar Ahmed*

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Reusable Components

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Contact Components

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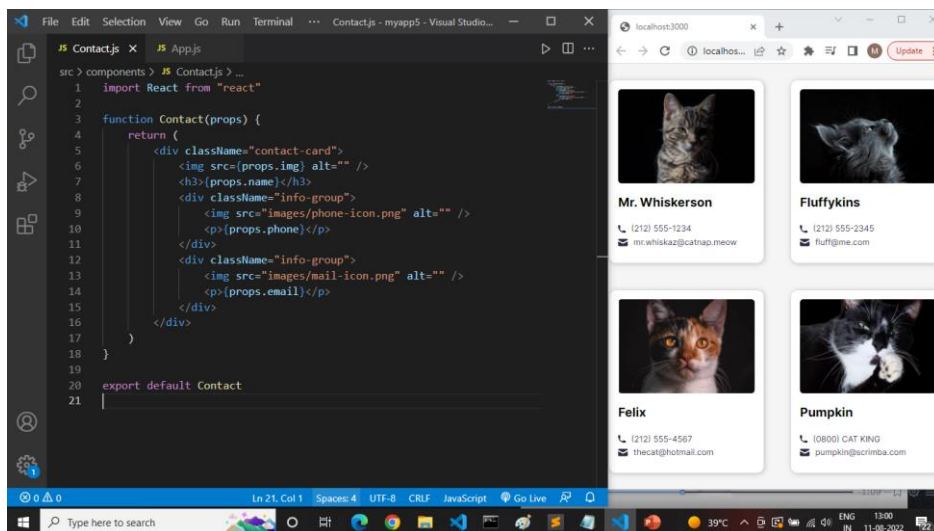
How to pass values?

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The props Object

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Contact Components

- **Contact Component** is a React component which accepts a single **props** object argument (with data) and returns a React element.

- Understanding **props** is the **most crucial** thing in React

- You will use **props** every single day of your React life

- It is a common practice of **destructuring props**

```
function Contact({img,name,phone}) {

        :

        :

}
```

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Passing Non-string data

■ We can pass **any type of data** to a React component

■ Ensure the data is enclosed between **{ }**

```
function App() {
    return (
        <div>
            <Joke
                setup="I got my daughter a fridge for her birthday."
                punchline="I can't wait to see her face light up when she opens it."
                isPun={true}
                upvotes={10}
                downvotes={2}
                comments={[{author: "Mukthar", body: "Awesome", title: "Non-string data"}]}
            />
            <Joke
                setup="What's the best thing about Switzerland?"
                punchline="I don't know, but the flag is a big plus!"
                isPun={false}
                upvotes={10000}
                downvotes={25}
                comments={[{author: "Omar", body: "That's cool...", title: "Switz"}]}
            />
        </div>
    )
}
```

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Passing Non-string data

■ We can pass **any type of data** to a React component

■ Ensure the data is enclosed between **{ }**

```
function Joke(props) {
    console.log(props)

    return (
        <div>
            {props.setup && <h3>Setup: {props.setup}</h3>}
            <p>Punchline: {props.punchline}</p>
            <hr />
        </div>
    )
}
```

```
CONSOLE
{setup: "I got my daughter a fridge for her birthday.", punchline: "I can't wait to see her face light up when she opens it.", isPun: true,
upvotes: 10, downvotes: 2, comments: [{author: "Mukthar", body: "Awesome", title: "Non-string data"}]}
{setup: "What's the best thing about Switzerland?", punchline: "I don't know, but the flag is a big plus!", isPun: false, upvotes: 10000,
downvotes: 25, comments: [{author: "Omar", body: "That's cool...", title: "Switz"}]}
```

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airbnb – Card component

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airbnb – Card component

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