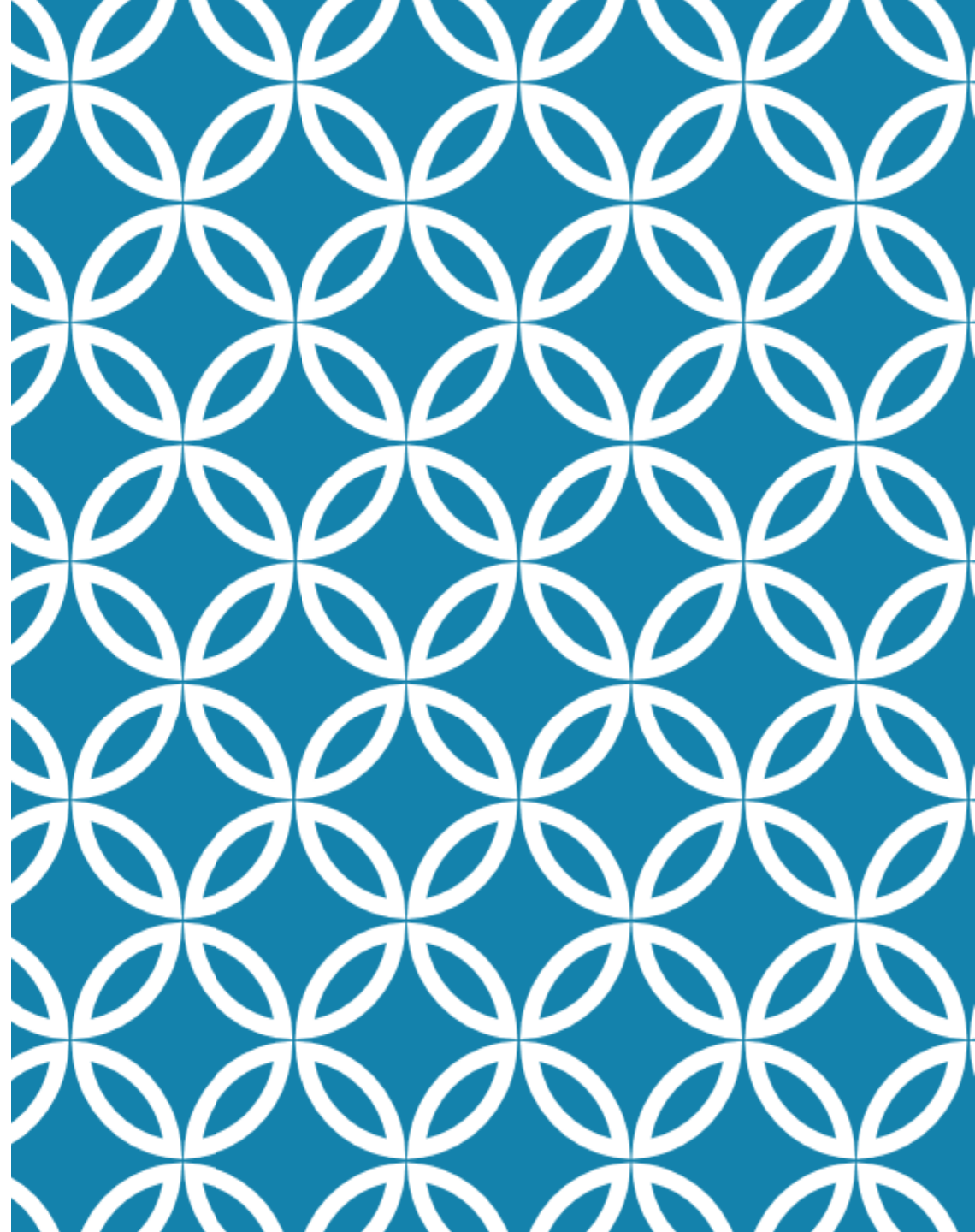


WORKSHOP REACT PROPS

AGENDA

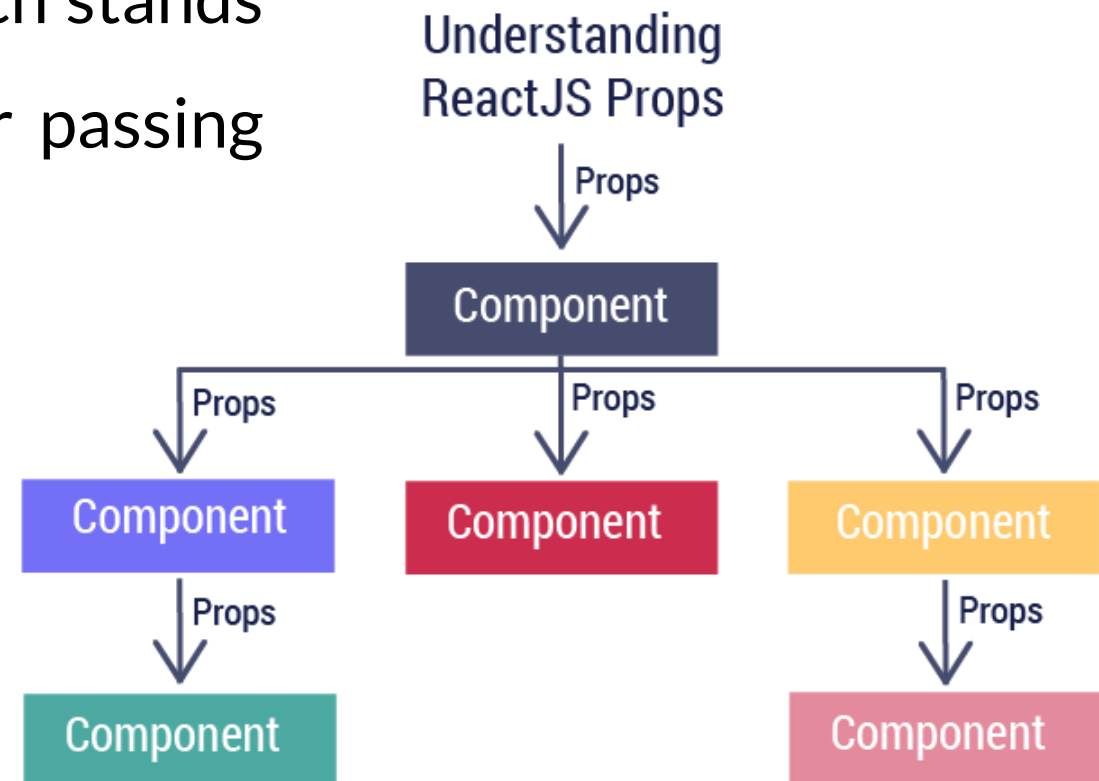
1. Introduction to React Props
2. Type of Props
3. Children Props
4. Destructuring
5. PropTypes
6. Default Props
7. Conditional Rendering
8. Handling Events



INTRODUCTION TO REACT PROPS

Props is a special keyword in React, which stands for « **properties** » and is being used for passing data from one component to another.

Props are read-only and
should be considered immutable
(can not be modified)



TYPES OF PROPS

Props could be of different types:

- Number `<ReactComponent number={number} />`
- String `<ReactComponent string='string' />`
- Object `<ReactComponent object={{val1:'prop1', val2:'prop2'}} />`
- Array `<ReactComponent array={['string1', 'string2', 'string3']} />`
- Function `<ReactComponent function={function} />`

CHILDREN PROPS

Children Props is a React keyword that displays whatever you include between the opening and closing tags when **invoking** a component.

```
<ReactComponent>
```

```
<div>I am a child prop</div>
```

```
</ReactComponent>
```

```
Export default function ReactComponent(props) {
```

```
  Return(
```

```
    <div> {props.children} </div>
```

```
  )}
```

DESTRUCTURING PROPS

Destructuring really shines in React apps, where it can greatly simplify how you write props.

```
<ReactComponent
```

```
  title='I am a title'
```

```
  subtitle='I am a subtitle'
```

```
Export default function ReactComponent({title, subTitle}) {
```

```
  Return(<div>
```

```
    <h1>{title}</h1>
```

```
    <p>{subtitle}</p>
```

```
  </div>
```

```
});
```

PROPTYPES

PropTypes **defines** the type and which prop is **required**.

```
ReactComponent.propTypes = {  
  prop: PropTypes.string,  
  prop2: PropTypes.number.isRequired,  
  prop3: PropTypes.func.isRequired  
};
```

DEFAULT PROPS

Default props is a property in React component used to set default values for the props argument. It will be changed if the prop property is passed.

```
ReactComponent.defaultProps = {  
  prop1: default prop,  
  prop2: default prop  
};
```