Information Flow in React

Tuesday, March 22, 2022 4:20 PM

There are two way for information to pass between two Components

Parent to child

• Parent can pass information to child as 'prop'

```
<Child value={20} />
```

What can parent pass?

1. Parent can pass constants values like number or String

```
<Person name="Vivek" id={20} />
```

2. Parent can all pass it's state to the Child

```
<Person value={this.state.selectedPerson } />
```

- 3. We can pass normal variable (NOT RECOMMENDED)
- They are more like constants

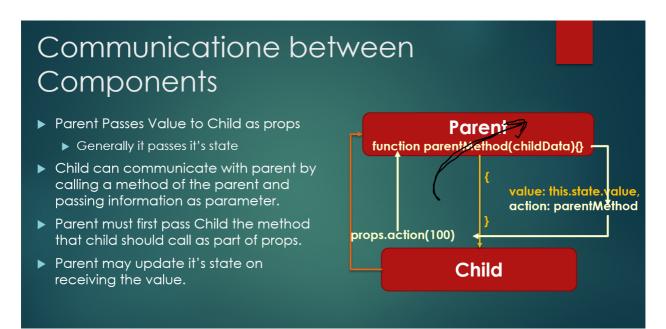
```
<Person name={name} />
```

4. We can pass a method as 'prop'.

```
<Person greet={handleGreet} />
```

2. Child to Parent

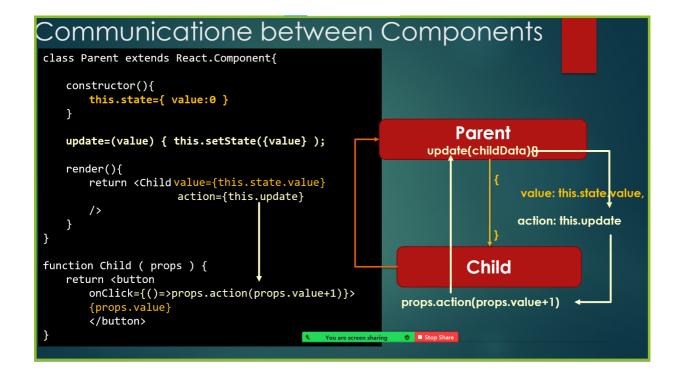
- Now this handleGreet() is defined by the parent component
 - o It will be called by the child component
 - o It is more like a call back function
- When child calls this function they can pass a parameter
- This paremeter will be received by the parent.
 - O Thus child can send some information to the Parent



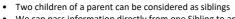
1. P

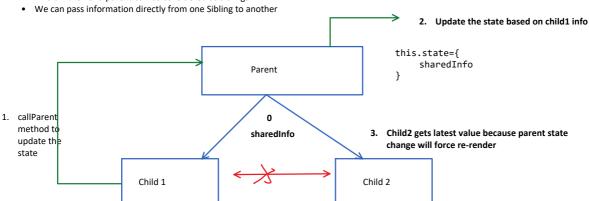
2. C

3. T



Sibling to Sibling





- When a sibling need to send some message to other sibling,
 - 1. It should actually send the message to parent
 - 2. Parent should update the state
 - 3. Other child will automatically get the latest info.