

Children prop (Concept of Composition), Organizing Component Files, Component fu ... - Post ClassChildren prop (Concept of Composition), Organizing Component Files, Component fu ... - Post Class

HTML code:

```
<doctype>
```

```
<html>
```

```
<meta></meta>
```

```
<script>
```

```
function LocationDropdown() {
```

```
  const [state, setState] = useState({
```

```
    countries : [],
```

```
    states : [],
```

```
    lgas : [],
```

```
    selectedCountry : '--Choose Country--',
```

```
    selectedState : '--Choose State--'
```

```
  });
```

```
  useEffect(() => {
```

```
    setState(prevState => ({
```

```
      ...prevState,
```

```
      countries : [
```

```
        { name: 'Nigeria', value: 'nigeria',
```

```
        states: [ { name: 'Abia', value: 'abia',
```

```
        lgas: [
```

```
          { name: "Aba", value: 'aba'},
```

```
          { name: "Oru", value: 'oru'},
```

```

    ]}, {name: 'Adamawa', value: 'adamawa',
      lgas: [
        {name: 'Demsa', value: 'demsas'},
        {name: 'Fufure', value: 'fufure'}],
    }],
  ],
  []
));
}, [])

```

```

changeCountry(event) {
  this.setState({selectedCountry: event.target.value});
  this.setState({states : this.state.countries.find(cntry => cntry.name === event.target.value).states});
}

```

```

changeState(event) {
  this.setState({selectedState: event.target.value});
  const stats = this.state.countries.find(cntry => cntry.name === this.state.selectedCountry).states;
  this.setState({lgas : stats.find(stats => stats.name === event.target.value).lgas});
}

```

```

</script>

```

```

<body>

```

```

  <div id="container">

```

```

    <h2>Cascading or Dependent Dropdown using React</h2>

```

```

    <div>

```

```

      <Label>State</Label>

```

```

        <Select placeholder="Country" value={this.state.selectedCountry}
onChange={this.changeCountry}>

        <option>--Choose State--</option>

        {this.state.countries.map((e, key) => {

            return <option key={key}>State1</option>;

                                                                    <option
key={key}>State2</option>;

            })}

        </Select>

</div>

<div>

    <Label>City</Label>

    <Select placeholder="State" value={this.state.selectedState} onChange={this.changeState}>

        <option>--Choose City--</option>

        {this.state.states.map((e, key) => {

            return <option key={key}>City1</option>;

                                                                    <option key={key}>City2</option>;

            })}

        </Select>

</div>

<div>

    <Label>Town</Label>

    <Select placeholder="LGA" value={this.state.selectedLga}>

        <option>--Choose Town--</option>

        {this.state.lgas.map((e, key) => {

```

```
        return <option key={key}>Town1</option>;

        return <option key={key}>Town2</option>;

    }}}

</Select>

</div>

</div>

</body>
```

Output:

Cascading or Dependent Dropdown using React

State --Choose State-- ▾
City --Choose City-- ▾
Town --Choose Town-- ▾

