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

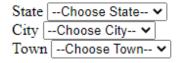
```
HTML code:
<doctype>
<html>
<meta></meta>
<script>
function LocationDropdown() {
  const [state, setState] = useState({
       countries: [],
       states: [],
       lgas : [],
       selectedCountry: '--Choose Country--',
       selectedState: '--Choose State--'
     });
  useEffect(() => {
 setState(prevState => ({
       ...prevState,
       countries: [
          { name: 'Nigeria', value: 'nigeria',
          states: [ {name: 'Abia', value: 'abia',
          lgas: [
               {name: "Aba", value: 'aba'},
               {name: "Oru", value: 'oru'},
```

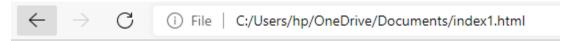
```
]}, {name: 'Adamawa', value: 'adamawa',
         lgas: [
               {name: 'Demsa', value: 'demsa'},
               {name: 'Fufure', value: 'fufure'},
    ]},
  },
       ]
 }));
}, [])
  changeCountry(event) {
    this.setState({selectedCountry: event.target.value});
    this.setState({states: 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}</pre>
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--
              {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





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