1.13 TeslaWheels Component

Finally, let's make the final component `TeslaWheels`. As always, create a directory `src/components/TeslaWheels`, create a `TeslaWheels` file in it, and enter the following code.

```
import React from 'react';
import PropTypes from 'react';
import './TeslaWheels.css';
const LabelLists = (props) => {
  const value = props.wheels.value;
  const changeHandler = props.wheels.handleChangeWheels;
  const sizes = [19, 21];
  const LabelItems = sizes.map(size => (
    <label key={size} className={`tesla-wheels__item tesla-wheels__item--${size} ${value === size
      <input
        type="radio"
        name="wheelsize"
        value={size}
        checked={value === size}
        onChange={() => {changeHandler(size)}} />
      <p>
        {size}"
      </p>
    </label>
    )
  );
  return (
    <div>
      {LabelItems}
    </div>
  );
}
const TeslaWheels = (props) => (
  <div className="tesla-wheels__component">
    <p className="tesla-wheels__title">Wheels</p>
    <div className="tesla-wheels__container cf">
      <LabelLists wheels={props}/>
    </div>
  </div>
);
TeslaWheels.propTypes = {
  value: PropTypes.number,
  handleChangeWheels: PropTypes.func
}
export default TeslaWheels;
```

Our implementation here is similar to the conversion of the `props` array object to a list in the `TeslaStats` component. Repeat the `props.sizes` array using the `javascript map()` function.

For each iteration, it returns the `<label>` elements containing `size`. Finally, the `LabelItems` list is built into the `TeslaWheels` component and rendered.

In the `<label>` element, the effect of wheel animation is shown by changing the class according to the transmitted wheel size.

1.13.1 TeslaWheels Component Style

Create a `TeslaWheels.css` file in the `src/components/TeslaWheels` directory and specify the following styles. Since the code is long and omitted here, let's check the source code.

```css
.tesla-wheels__component {
  float: left;
  width: 355px;
}
.tesla-wheels__title {
  letter-spacing: 2px;
  font-size: 16px;
}
...
```

1.13.2 Import TeslaWheels Component in TeslaBattery Container

Finally, implement `callback` in `TeslaBattery` and pass it to the `TeslaWheels` component.

Add `import` to use the `TeslaWheels` component in `TeslaBattery.js`. We then implement callback function `handleChangeWheels()` and bind it in `constructor`. Then pass the callback function to the `TeslaWheels` component as `props`.

```javascript
...
import TeslaWheels from '../components/TeslaWheels';
...
constructor(props) {
    super(props);
    this.calculateStats = this.calculateStats.bind(this);
    this.increment = this.increment.bind(this);
    this.decrement = this.decrement.bind(this);
    this.handleChangeClimate = this.handleChangeClimate.bind(this);
    this.handleChangeWheels = this.handleChangeWheels.bind(this);
    this.statsUpdate = this.statsUpdate.bind(this);
...
handleChangeWheels(size) {
  const config = {...this.state.config};
```
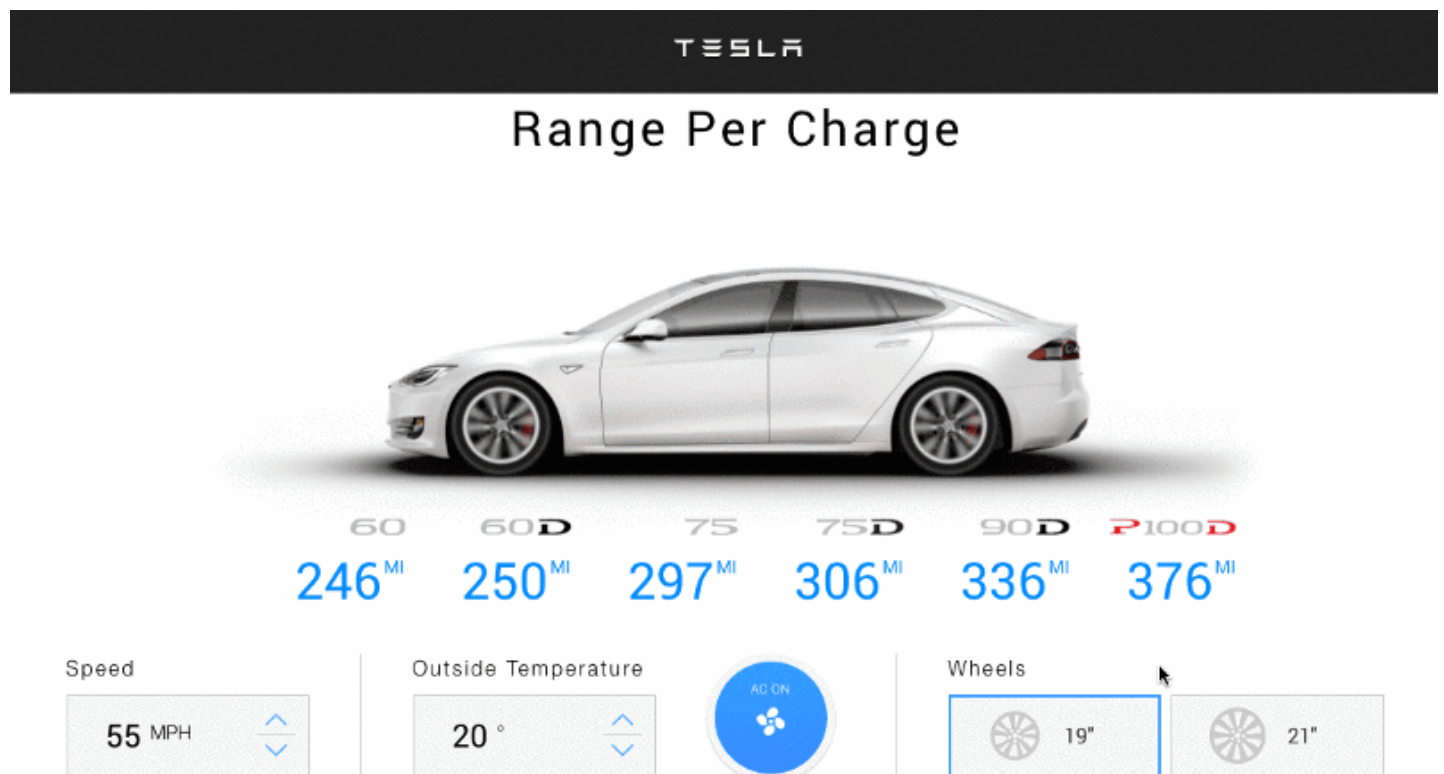
```
    config['wheels'] = size;
    this.setState({ config });
  }

  ...
  <TeslaWheels
    value={this.state.config.wheels}
    handleChangeWheels={this.handleChangeWheels}
  />
  ...
```

The result of the completion of the wheels animation is as follows.


```
export function getModelData() {
    return {
      '60': {
        19: {
          on: {
            speed: {
              45: {
                '-10': 224,
                '0': 255,
                '10': 287,
                '20': 289,
                '30': 287,
                '40': 258
              },
              50: {
                '-10': 211,
                '0': 238,
                '10': 264,
                '20': 267,
                '30': 267,
                '40': 244
```

```
          },
          55: {
            '-10': 198,
            '0': 221,
            '10': 242,
            '20': 246,
            '30': 245,
            '40': 228
          },
          60: {
            '-10': 184,
            '0': 204,
            '10': 222,
            '20': 225,
            '30': 226,
            '40': 212
          },
          65: {
            '-10': 170,
            '0': 187,
            '10': 202,
            '20': 206,
            '30': 208,
            '40': 195
          },
          70: {
            '-10': 156,
            '0': 172,
            '10': 185,
            '20': 189,
            '30': 190,
            '40': 179
          },
        }
      },
      off: {
        speed: {
          45: {
            '-10': 297,
            '0': 312,
            '10': 318,
            '20': 325,
            '30': 329,
            '40': 333
          },
          50: {
            '-10': 269,
            '0': 283,
            '10': 288,
            '20': 294,
            '30': 298,
            '40': 304
          },
          55: {
            '-10': 245,
            '0': 256,
            '10': 261,
            '20': 267,
            '30': 269,
            '40': 277
          },
          60: {
```

```
        '-10': 221,
        '0': 231,
        '10': 236,

        '20': 242,
        '30': 243,
        '40': 252
      },
      65: {
        '-10': 200,
        '0': 209,
        '10': 214,
        '20': 219,
        '30': 222,
        '40': 230
      },
      70: {
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        '0': 189,
        '10': 194,
        '20': 199,
        '30': 202,
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      },
    }
  }
},
21: {
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    speed: {
      45: {
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      },
      50: {
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        '20': 262,
        '30': 262,
        '40': 240
      },
      55: {
        '-10': 194,
        '0': 216,
        '10': 238,
        '20': 241,
        '30': 240,
        '40': 224
      },
      60: {
        '-10': 180,
        '0': 199,
        '10': 217,
        '20': 220,
        '30': 221,
        '40': 208
      },
      65: {
```

```
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          '0': 183,
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          '30': 203,
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        70: {
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          '10': 180,
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    },
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        50: {
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        55: {
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        60: {
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        },
        65: {
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          '10': 209,
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        },
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```

```
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              }
            }
          },
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                  60: {
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                  70: {
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                    '10': 189,
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                }
```

```
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            },
            60: {
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              '0': 236,
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            },
            65: {
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            },
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          }
        }
      },
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        '40': 278
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        '30': 246,
        '40': 253
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      65: {
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        '30': 223,
        '40': 231
      },
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}
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            55: {
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  },
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      },
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      },
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        '0': 274,
        '10': 279,
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        '30': 288,
        '40': 299
      },
      65: {
        '-10': 237,
        '0': 247,
        '10': 253,
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        '30': 262,
        '40': 272
      },
      70: {
        '-10': 214,
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        '10': 229,
        '20': 235,
        '30': 238,
        '40': 247
      },
    }
```

```
          }
        }
      },
      '75D': {
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            speed: {
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              50: {
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                '30': 332,
                '40': 305
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              55: {
                '-10': 246,
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                '40': 287
              },
              60: {
                '-10': 228,
                '0': 253,
                '10': 276,
                '20': 280,
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                '40': 265
              },
              65: {
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                '10': 253,
                '20': 257,
                '30': 260,
                '40': 246
              },
              70: {
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            }
          },
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            speed: {
              45: {
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```
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          50: {
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          },
          60: {
              '-10': 275,
              '0': 288,
              '10': 294,
              '20': 303,
              '30': 307,
              '40': 316
          },
          65: {
              '-10': 249,
              '0': 261,
              '10': 267,
              '20': 275,
              '30': 279,
              '40': 289
          },
          70: {
              '-10': 225,
              '0': 236,
              '10': 242,
              '20': 250,
              '30': 253,
              '40': 263
          },
        }
      }
    },
    21: {
      on: {
        speed: {
          45: {
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              '10': 351,
              '20': 354,
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              '40': 318
          },
          50: {
              '-10': 258,
              '0': 291,
```

```
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          '10': 296,
          '20': 300,
          '30': 301,
          '40': 281
        },
        60: {
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          '0': 248,
          '10': 270,
          '20': 275,
          '30': 277,
          '40': 259
        },
        65: {
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          '0': 228,
          '10': 247,
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          '40': 240
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        70: {
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          '10': 225,
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      }
    },
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      speed: {
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        55: {
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                '40': 309
              },
              65: {
                '-10': 244,
                '0': 255,
                '10': 261,
                '20': 269,
                '30': 273,
                '40': 282
              },
              70: {
                '-10': 219,
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                '10': 236,
                '20': 244,
                '30': 247,
                '40': 257
              },
            }
          }
        }
      },
      '90D': {
        19: {
          on: {
            speed: {
              45: {
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                '40': 357
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              50: {
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                '40': 338
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              55: {
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                '0': 303,
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              },
              60: {
                '-10': 254,
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```

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        '30': 310,
        '40': 293
      },
      65: {
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        '0': 258,
        '10': 279,
        '20': 283,
        '30': 285,
        '40': 273
      },
      70: {
        '-10': 216,
        '0': 238,
        '10': 256,
        '20': 260,
        '30': 263,
        '40': 253
      },
    }
  },
  off: {
    speed: {
      45: {
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        '10': 434,
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        '40': 455
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      50: {
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        '30': 412,
        '40': 416
      },
      55: {
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        '0': 350,
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        '40': 380
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      60: {
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        '20': 332,
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      },
      65: {
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```

```
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                    '20': 275,
                    '30': 279,
                    '40': 290
                  },
                }
              }
            },
            21: {
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                speed: {
                  45: {
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                    '20': 254,
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              '40': 449
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              '40': 410
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              '40': 373
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            60: {
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            65: {
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              '40': 310
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            70: {
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          }
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        on: {
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            50: {
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            55: {
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              '40': 353
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            60: {
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              '40': 329
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            70: {
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            50: {
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        60: {
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        70: {
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          '30': 311,
          '40': 323
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        55: {
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        60: {
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          '30': 305,
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        70: {
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      }
    },
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        55: {
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                70: {
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                    '10': 286,
                    '20': 294,
                    '30': 298,
                    '40': 310
                },
            }
        }
    }
  }
}
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