

1.4 Header component

Let's create our first React component, `Header`. The `Header` component is simply a black bar with the Tesla logo and text.

Create the `src/components/Header` directory, create a `Header.js` file in it, and enter the following code:

```
import React from 'react';
import './Header.css';
import logoUrl from '../../assets/logo.svg';
const Header = () => (
  <div className="header">
    <img src={logoUrl} alt="Tesla" />
  </div>
)
export default Header;
```

Here, the component is in the form of a function (`ES6 Arrow Function`). A component declared in this form is called a `functional component`. If there is no `state` and the `lifecycle` method is not needed, it is a good pattern to declare it as a function type. Functional components are suitable for `Presentational Component` because they have no state and they depend only on the `props` that is received from higher components.

1.4.1 Header Component Style

Create a `Header.css` file in the `src/components/Header` directory and type the following style:

```
.header {
  padding: 25px 0;
  text-align: center;
  background: #222;
}
.header img {
  width: 100px;
  height: 13px;
}
```

There are a number of ways to apply styles to components, but here we will create each component directory in the `src/components` directory and pair `js` and `css` files each time we create a component.

1.4.2 Import Header component in App Container

Now that you've created the `Header` component, let's use `import` in the entry point `App.js`.

```
import React, { Component } from 'react';
import './App.css';
import Header from './components/Header/Header';
class App extends Component {
  render() {
    return (
      <div className="App">
        <Header />
      </div>
    );
  }
}
export default App;
```

When you save all the modified files, they will be updated automatically and you should see the Tesla logo as follows:

```
<?xml version="1.0" ?>
<svg width="1600px" height="208px" version="1.1" id="Layer_1" xmlns="http://www.w3.org/2000/svg" x
<g>
  <path fill="#FFFFFF" d="M0,0c0.3,1.1,1.3,2.3,2.6,2.6h4.1l0.2,0.1v13h2.5v2.7l0.2-0.1h4.1c1.4
  <path fill="#FFFFFF" d="M77.8,13c1.3-0.5,2-1.5,2.2-2.6H68.7l0-10.5l-2.5,0v13H77.8z"/>
  <path fill="#FFFFFF" d="M47.3,2.6h9C57.6,2.2,58.8,1.2,59,0L44.8,0v7.7h11.6v2.7l-9.1,0c-1.4
    H47.3v2.6z"/>
  <polygon fill="#FFFFFF" points="85.4,5.2 85.4,13 88,13 88,7.8 97.1,7.8 97.1,13 99.7,13 99.7,
  <path fill="#FFFFFF" d="M25.2,2.6h9.7c1.3-0.3,2.4-1.5,2.6-2.6h-15C22.9,1.2,23.9,2.3,25.2,2.6
  <path fill="#FFFFFF" d="M25.2,7.8h9.7c1.3-0.3,2.4-1.5,2.6-2.6h-15C22.9,6.3,23.9,7.5,25.2,7.8
  <path fill="#FFFFFF" d="M25.2,13h9.7c1.3-0.3,2.4-1.5,2.6-2.6h-15C22.9,11.6,23.9,12.8,25.2,13
  <path fill="#FFFFFF" d="M87.7,2.6h9.7c1.3-0.3,2.4-1.5,2.6-2.6H85C85.3,1.2,86.3,2.4,87.7,2.6
</g>
</svg>
```