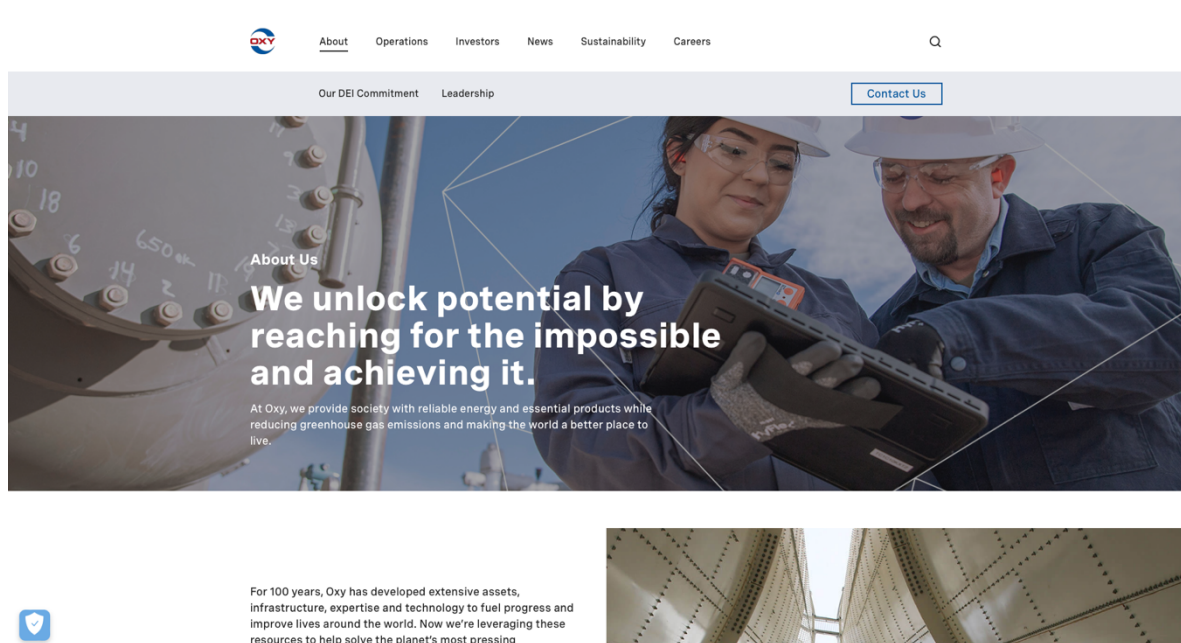


Ex. No: 5	React - Menu Navigation

Aim: To write a program using React.js that focuses on Menu Navigation for Occidental Petroleum Website.

Target Design:



Program :

App.jsx

```

/*
Fortune 500 Company: https://www.oxy.com/

Bonus Questions & Answers:

> Identify if the company you select has any AI and DS roles. <
Data Science, yes. AI, no.

```

Link to DS role description:

<https://oxy.taleo.net/careersection/2/jobdetail.ftl?job=00032106&tz=GMT%2B05%3A30&tzname=Asia%2FCalcutta>

> Study what they do. <

Oil and Gas Exploration and Production

> Study their requirements. <

Bachelor's Degree,;

5 yrs. experience in Data Science;

Knowledge of RDBMS, Complex SQL Queries, Stored Procedures, Views, & Functions;

Knowledge of EDA;

Knowledge in Data Management, Data Analytics, Data Warehouse, BI, and more;

Proficiency in VBA Coding & MS Excel;

Experience in Python/R;

Proficiency in MS Flow, PowerApps, Model Driven Apps, & more;

> What do you think is the future of this company (in terms of growth)? <

If the company continues to maintain existing infrastructure & net zero promises, it can remain in the safe zone.

It must invest in cleaner technologies if it is looking to 'grow' in the future.

It must also focus on better technologies to identify potential oil & gas reserves.

> Will AI and DS disrupt the sector <

100%, yes. It is going to revolutionise the supply chain, exploration, and production.

> Will they successfully utilize AI and DS to cause disruption? <

Given that they are the 285th most valuable company in the world, constant updation of technology is necessary to stay at the top.

The answer is – yes, they have the ability to.

> See if you would be interested in making a career at this company/sector. <

It sounds interesting, to be at the forefront of energy especially at the initial market

transition stage. It is a high-risk, high-reward sector, with a lot of variables, since

we're dealing with Naturally occurring energy. I love risky environments, and I'm a person

who loves challenges – to prove that something CAN be done. I would be interested as an

investor, or as an implementer in this company.

*/

import './App.css';

```

import { React } from 'react';
import { Link } from 'react-router-dom';
import { Route, Routes } from 'react-router-dom';

import About from "../Pages/About";
import Operations from "../Pages/Operations";
import Investors from "../Pages/Careers";
import News from "../Pages/News";
import Sustainability from "../Pages/Sustainability";
import Careers from "../Pages/Investors";

function App() {
  return (
    <>
      <nav class="navbar" style={{float: 'center'}}>
        <ul>
          <li>
            <Link class="navbar-img" to="/">
              {/*
                Problem: Image URL is not working
                Resource: https://stackoverflow.com/questions/34582405/react-wont-
load-local-images
              */}
              <img src={require("../static/logo.png")} style={{padding: '0px 30px
0px 0px'}}/>
            </Link>
          </li>
          <li>
            <Link to="/"><label class='hover-underline-
animation'>About</label></Link>
          </li>
          <li>
            <Link to="/operations"><label class='hover-underline-
animation'>Operations</label></Link>
          </li>
          <li>
            <Link to="/investors"><label class='hover-underline-
animation'>Investors</label></Link>
          </li>
          <li>
            <Link to="/news"><label class='hover-underline-
animation'>News</label></Link>
          </li>
          <li>
            <Link to="/sustainability"><label class='hover-underline-
animation'>Sustainability</label></Link>
          </li>
        </ul>
      </nav>
    </>
  );
}

```

```

        <li>
          <Link to="/careers"><label class='hover-underline-
animation'>Careers</label></Link>
        </li>
        <li style={{float:'right'}}>
          <Link class="navbar-img" to="/">
            <img src={require("./static/search_icon.png")} width='20px'
style={{padding: '10px 0px 0px 0px'}} />
          </Link>
        </li>
      </ul>
    </nav>

    <Routes>
      <Route path="/" element={<About />} />
      <Route path="/operations" element={<Operations />} />
      <Route path="/investors" element={<Investors />} />
      <Route path="/news" element={<News />} />
      <Route path="/sustainability" element={<Sustainability />} />
      <Route path="/careers" element={<Careers />} />
    </Routes>
  </>
);
}

export default App;

```

app.css

```

.App {
  text-align: center;
}

.App-logo {
  height: 40vmin;
  pointer-events: none;
}

@media (prefers-reduced-motion: no-preference) {
  .App-logo {
    animation: App-logo-spin infinite 20s linear;
  }
}

.App-header {
  background-color: #282c34;

```

```
min-height: 100vh;
display: flex;
flex-direction: column;
align-items: center;
justify-content: center;
font-size: calc(10px + 2vmin);
color: white;
}

.App-link {
  color: #61dafb;
}

@keyframes App-logo-spin {
  from {
    transform: rotate(0deg);
  }
  to {
    transform: rotate(360deg);
  }
}

ul {
  list-style-type: none;
  margin: 0;
  padding: 0;
  overflow: hidden;
  background-color: white;
}

.navbar {
  padding: 30px ;
  background-color: white;
  overflow: hidden;
  width: 1000px;
  margin: auto;
}

li {
  float: left;
  padding: 0px 10px 0px 10px;
}

li a:not(.navbar-img) {
  display: block;
  color: black;
  text-align: center;
  padding: 14px 16px;
```

```

    text-decoration: none;
}

/* Resource: https://unclebigbay.com/how-to-create-an-hover-underline-animation-
in-css */
.hover-underline-animation {
  position: relative;
  color: black;
  text-decoration: none;
  padding: 0px 0px 7px 0px;
}

.hover-underline-animation::after {
  content: '';
  position: absolute;
  width: 100%;
  transform: scaleX(0);
  height: 2px;
  bottom: 0;
  left: 0;
  background-color: black;
  transform-origin: bottom right;
  transition: transform 0.25s ease-out;
}

.hover-underline-animation:hover::after {
  transform: scaleX(1);
  transform-origin: bottom left;
}

```

Index.js

```

import React from 'react';
import ReactDOM from 'react-dom/client';
import './index.css';
import App from './App';
import reportWebVitals from './reportWebVitals';
import { BrowserRouter as Router } from 'react-router-dom';

const root = ReactDOM.createRoot(document.getElementById('root'));
root.render(
  <React.StrictMode>
    <Router>
      <App />
    </Router>
  </React.StrictMode>

```

```
);

// If you want to start measuring performance in your app, pass a function
// to log results (for example: reportWebVitals(console.log))
// or send to an analytics endpoint. Learn more: https://bit.ly/CRA-vitals
reportWebVitals();
```

./Pages/About.js

```
import React from "react";

function About() {
  return (
    <img src={require("./aboutus.png")} />
  );
}

export default About;
```

./Pages/About.js

```
const Excluse = () => {
  return (
    
  );
};

export default Excluse;
```

./Pages/Careers.js

```
import React from "react";

function Careers() {
  return <img src={require("./careers.png")} />
}

export default Careers;
```

./Pages/Investors.js

```
import React from "react";

function Investors() {
  return <img src={require("./investors.png")} />
}

export default Investors;
```

./Pages/News.js

```
import React from "react";

function News() {
  return <img src={require("./news.png")} />
}

export default News;
```

./Pages/Operations.js

```
import React from "react";

function Operations() {
  return (
    <img src={require("./operations.png")} />
  );
}

export default Operations;
```

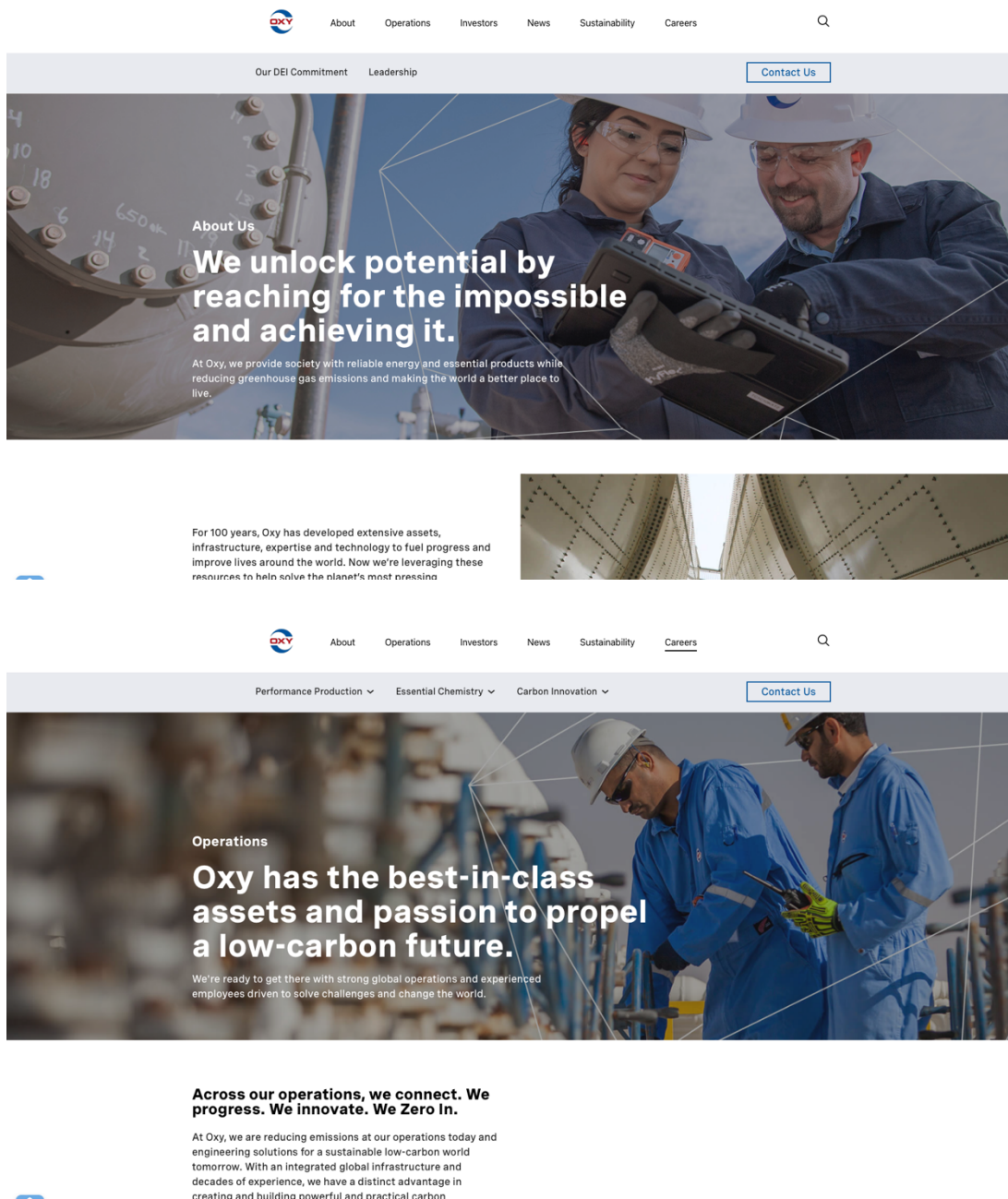
./Pages/Sustainability.js

```
import React from "react";

function Sustainability() {
  return <img src={require("./sustainability.png")} />
}

export default Sustainability;
```

Output:



Result: The React App with Menu Navigation using routers has been implemented successfully.