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Batch: AIML A1

Full stack Assignment 7

Objective of Experiment:

The assignment focuses on demonstrating proficiency in React development by creating an interactive web application. It begins with setting up a new React project, emphasizing an organized project structure. The subsequent step involves designing and creating reusable

React components to represent various parts of the user interface, promoting modularity and maintainability. Additionally, styling these components using CSS or CSS frameworks ensures a visually appealing design while prioritizing usability and accessibility considerations.

Interactive features, such as forms, buttons, and navigation menus, are then implemented to enhance user engagement, leveraging event handling and state management. Overall, the assignment aims to showcase the ability to build modern, user-friendly web applications using React, while adhering to best practices in development and design.

SOURCE CODE:

Navbar.js:

```
import React from "react";
import logo from "../assets/sitlogo.png";
import { Link } from "react-router-dom";
import "../style/navbar.css";
function Navbar() {
  return (
    <div className="navbar">
      <div className="leftSide">
        <Link to="/">
          <img src={logo} alt="Sit Logo"></img>
        </Link>
      </div>
      <div className="rightSide">
        { /* <Link to="/">Home</Link> */ }
        <Link to="/signup">Sign Up</Link>
      </div>
    </div>
  );
};
```

```
}  
export default Navbar;
```

Signup.js:

```
import React from 'react'  
import "../style/signup.css"  
  
function Signup() {  
  return (  
    <div className='body'>  
      <form className='form'>  
        <label className='label'>User Id</label>  
        <input type="text" name="uid" className='input'></input>  
        <label className='label'>Password</label>  
        <input type="password" name="uid" className='input'></input>  
        <label className='label'>Confirm Password</label>  
        <input type="password" name="uid" className='input'></input>  
        <label className='label'>Name</label>  
        <input type="text" name="uid" className='input'></input>  
        <label for="country">Country:</label>  
        <div class="group">  
          <select id="country" name="country" required>  
            <option value="">Select</option>  
            <option>India</option>  
            <option>UK</option>  
            <option>USA</option>  
            <option>Others</option>  
          </select>  
        </div>  
        <input type="submit" value="Log In" className='button'></input>  
      </form>  
    </div>  
  )  
}  
  
export default Signup
```

Home.js:

```
import React from 'react';  
import '../style/home.css'; // Import the CSS file for styling  
import logoo from "../assets/symbiosisbuilding.jpg";  
  
const Home = () => {  
  return (  
    <div className="container">
```

```

    <div className="half">
      <img src={logoo} alt="Sitbuilding"></img>
    </div>
    <div className="half">
      <div className="content">
        <h2>Vision</h2>
        <ul>
          <li>Promoting International understanding through quality
education.</li>
        </ul>
      </div>
      <div className="content">
        <h2>Mission</h2>
        <ul>
          <li>To inculcate spirit of 'Vasudhaiva Kutumbakam' (the world is
one family).</li>
          <li>To contribute towards knowledge generation and
dissemination.</li>
          <li>To promote ethical and value-based learning.</li>
          <li>To foster the spirit of national development.</li>
          <li>To inculcate cross cultural sensitization.</li>
          <li>To develop global competencies amongst students.</li>
        </ul>
      </div>
    </div>
  </div>
);
};

export default Home;

```

Home.css:

```

.container {
  display: flex;
  height: 100vh;
}

.half {
  width: 50%;
  height: 100%;
  overflow: hidden;
}

.leftHalf {
  display: flex;
  justify-content: center;
  align-items: center;
}

```

```

    background-color: #f0f0f0; /* Example background color for left half */
}

.rightHalf {
    display: flex;
    justify-content: center;
    align-items: center;
    background-color: #e0e0e0; /* Example background color for right half */
}

.leftHalf img {
    height: 100%; /* Fill the entire height of the left half */
    max-width: 100%; /* Ensure the image doesn't exceed the container width */
    object-fit: cover; /* Fill the container without distorting the aspect
ratio */
}

.content {
    padding: 20px;
}

h2 {
    color: red;
}

```

Navbar.css:

```

.navbar {
    width: calc(100% - 40px); /* Reduce the width by 40px */
    height: 60px;
    background-color: black;
    display: flex;
    justify-content: space-between;
    align-items: center;
    padding: 0 20px; /* Adjust the padding */
}

.navbar .leftSide img {
    width: 50px;
}

.navbar a {
    color: white;
    margin: 0 8px; /* Adjust the margin */
}

.navbar .rightSide {
    display: flex;
}

```

```
    align-items: center;
}
```

Signup.css:

```
.body {
  display: flex;
  justify-content: center;
  align-items: center;
  height: 100vh;
}

.form {
  background-color: #f0f0f0;
  padding: 40px; /* Increase padding for a broader background */
  border-radius: 8px;
  box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
  width: 80%; /* Adjust the width as needed */
  max-width: 500px; /* Set a maximum width if desired */
}

.label {
  display: block;
  margin-bottom: 10px;
}

.input {
  width: 100%;
  padding: 10px;
  margin-bottom: 15px;
  border: 1px solid #ccc;
  border-radius: 4px;
}

.button {
  width: 100%;
  padding: 10px;
  background-color: green;
  color: #fff;
  border: none;
  border-radius: 4px;
  cursor: pointer;
  margin-bottom: 15px;
}

.group {
  position: relative;
}
```

```

select {
  width: calc(100% - 22px);
  padding: 10px;
  border: 1px solid #ccc;
  border-radius: 4px;
  margin-bottom: 15px;
}

```

App.js:

```

import './App.css';
import { BrowserRouter as Router, Routes, Route } from 'react-router-dom';
import Home from './components/Home.js';
import Navbar from './components/navbar.js';
import Signup from './components/signup.js';

function App() {
  return (
    <Router>
      <Navbar />
      <Routes>
        <Route path="/home" element={<Home />} />
        { /* <Route path="/" element={<Navbar />} /> */ }
        <Route path="/signup" element={<Signup />} />
        <Route path="*" element={<Home />} />
      </Routes>
    </Router>
  );
}

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;
  }
}

```

```

}

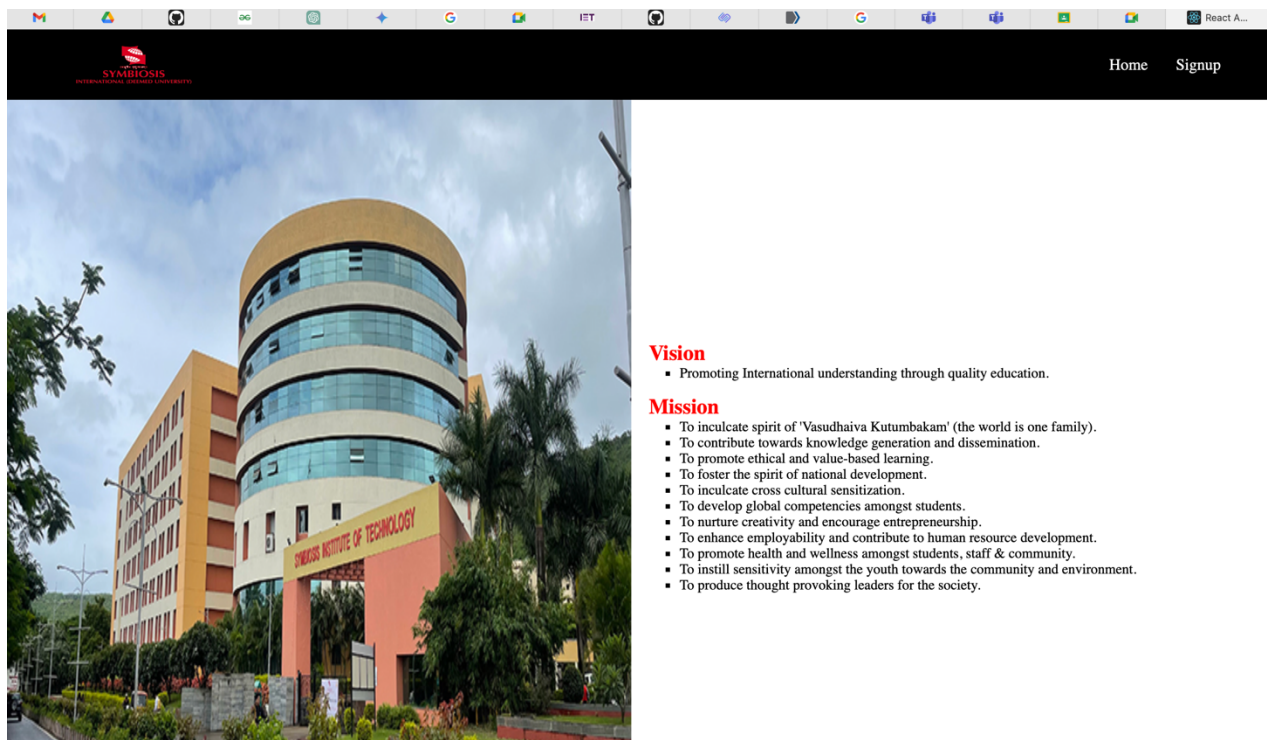
.App-header {
  background-color: #282c34;
  min-height: 100vh;
  display: flex;
  flex-direction: column;
  align-items: center;
  justify-content: center;
  font-size: calc(10px + 2vmin);
  color: white;
}

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

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

```

OUTPUT:





Userid

anvesha

password

.....

confirm password

.....

Name

Anvesha Raikwar

country

India ▼

signup

