**WEEK- 6: REACT**

**Exercise-3: ReactJS – HOL**

**1.index.html:**

<!DOCTYPE html>

<html lang="en">

  <head>

    <meta charset="utf-8" />

    <link rel="icon" href="%PUBLIC\_URL%/favicon.ico" />

    <meta name="viewport" content="width=device-width, initial-scale=1" />

    <meta name="theme-color" content="#000000" />

    <meta

      name="description"

      content="Student Management Portal - Score Calculator App"

    />

    <title>Score Calculator App</title>

  </head>

  <body>

    <noscript>You need to enable JavaScript to run this app.</noscript>

    <div id="root"></div>

  </body>

</html>

**2.App.js:**

import React from 'react';

import CalculateScore from './Components/CalculateScore';

function App() {

  return (

    <div className="App">

      <CalculateScore name="John Doe" school="Greenwood High" total={450} goal={500} />

    </div>

  );

}

export default App;

**3.index.css:**

body {

  margin: 0;

  font-family: -apple-system, BlinkMacSystemFont, 'Segoe UI', 'Roboto', 'Oxygen',

    'Ubuntu', 'Cantarell', 'Fira Sans', 'Droid Sans', 'Helvetica Neue',

    sans-serif;

  -webkit-font-smoothing: antialiased;

  -moz-osx-font-smoothing: grayscale;

}

code {

  font-family: source-code-pro, Menlo, Monaco, Consolas, 'Courier New',

    monospace;

}

**4.index.js:**

import React from 'react';

import ReactDOM from 'react-dom/client';

import './index.css';

import App from './App';

const root = ReactDOM.createRoot(document.getElementById('root'));

root.render(

  <React.StrictMode>

    <App />

  </React.StrictMode>

);

**5.package.json:**

{

  "name": "scorecalculatorapp",

  "version": "0.1.0",

  "private": true,

  "dependencies": {

    "react": "^18.2.0",

    "react-dom": "^18.2.0",

    "react-scripts": "5.0.1"

  },

  "scripts": {

    "start": "react-scripts start",

    "build": "react-scripts build",

    "test": "react-scripts test",

    "eject": "react-scripts eject"

  },

  "eslintConfig": {

    "extends": [

      "react-app",

      "react-app/jest"

    ]

  },

  "browserslist": {

    "production": [

      ">0.2%",

      "not dead",

      "not op\_mini all"

    ],

    "development": [

      "last 1 chrome version",

      "last 1 firefox version",

      "last 1 safari version"

    ]

  }

}

**6.CalculateScore.js:**

import React from 'react';

import '../Stylesheets/mystyle.css';

function CalculateScore({ name, school, total, goal }) {

  const average = (total / goal) \* 100;

  return (

    <div className="score-container">

      <h2>Student Score Calculator</h2>

      <p><strong>Name:</strong> {name}</p>

      <p><strong>School:</strong> {school}</p>

      <p><strong>Total Score:</strong> {total}</p>

      <p><strong>Goal Score:</strong> {goal}</p>

      <p className="average">Average Score: {average.toFixed(2)}%</p>

    </div>

  );

}

export default CalculateScore;

**7.mystyle.css:**

.score-container {

  border: 2px solid #4CAF50;

  border-radius: 8px;

  padding: 20px;

  max-width: 300px;

  margin: 20px auto;

  font-family: Arial, sans-serif;

  background-color: #f9f9f9;

}

.score-container h2 {

  color: #4CAF50;

  text-align: center;

}

.score-container p {

  font-size: 14px;

}

.average {

  color: blue;

  font-weight: bold;

}

**Output:**

A screenshot of a computer

AI-generated content may be incorrect.