# React Project: ScoreCalculatorApp Setup Guide

## 1. Create a React project named “scorecalculatorapp”

Open your terminal and run:  
  
npx create-react-app scorecalculatorapp  
  
Navigate into the project directory:  
  
cd scorecalculatorapp

## 2. Create a new folder "Components" and add "CalculateScore.js"

In the src folder, create a folder named Components.  
Inside src/Components, create a file named CalculateScore.js.

## 3. Code for CalculateScore.js

Paste the following code into src/Components/CalculateScore.js:  
  
import React, { useState } from 'react';  
import '../Stylesheets/mystyle.css';  
  
function CalculateScore() {  
 const [name, setName] = useState('');  
 const [school, setSchool] = useState('');  
 const [total, setTotal] = useState('');  
 const [goal, setGoal] = useState('');  
 const [average, setAverage] = useState(null);  
  
 const handleSubmit = (e) => {  
 e.preventDefault();  
 if (goal && !isNaN(total) && !isNaN(goal) && Number(goal) !== 0) {  
 const avg = Number(total) / Number(goal);  
 setAverage(avg.toFixed(2));  
 } else {  
 setAverage('Invalid input');  
 }  
 };  
  
 return (  
 <div className="score-container">  
 <h2>Student Score Calculator</h2>  
 <form onSubmit={handleSubmit}>  
 <input type="text" placeholder="Enter Name" value={name} onChange={e => setName(e.target.value)} required />  
 <input type="text" placeholder="Enter School" value={school} onChange={e => setSchool(e.target.value)} required />  
 <input type="number" placeholder="Enter Total Score" value={total} onChange={e => setTotal(e.target.value)} required />  
 <input type="number" placeholder="Enter Number of Subjects/Goals" value={goal} onChange={e => setGoal(e.target.value)} required />  
 <button type="submit">Calculate Average</button>  
 </form>  
 {average !== null && (  
 <div className="result">  
 <h3>Result:</h3>  
 <p>  
 Student <strong>{name}</strong> from <strong>{school}</strong> has an average score of <strong>{average}</strong>  
 </p>  
 </div>  
 )}  
 </div>  
 );  
}  
  
export default CalculateScore;

## 4. Create a folder "Stylesheets" and add mystyle.css

In the src folder, create a folder named Stylesheets.  
Create a file src/Stylesheets/mystyle.css and paste the following CSS:  
  
.score-container {  
 max-width: 400px;  
 margin: 40px auto;  
 background: #f6f9ff;  
 padding: 24px 32px;  
 border-radius: 8px;  
 box-shadow: 0 2px 10px rgba(0,0,0,0.08);  
 text-align: center;  
}  
  
.score-container h2 {  
 margin-bottom: 18px;  
 color: #1540a8;  
}  
  
.score-container form input {  
 display: block;  
 width: 95%;  
 padding: 8px;  
 margin: 12px auto;  
 border-radius: 5px;  
 border: 1px solid #b7b7b7;  
}  
  
.score-container button {  
 margin-top: 14px;  
 padding: 10px 34px;  
 background-color: #1540a8;  
 color: #fff;  
 border: none;  
 border-radius: 5px;  
 font-size: 15px;  
 cursor: pointer;  
 transition: background .2s;  
}  
  
.score-container button:hover {  
 background-color: #103383;  
}  
  
.result {  
 margin-top: 20px;  
 padding: 12px;  
 background: #d2f8d2;  
 border-radius: 5px;  
 color: #064f09;  
}

## 5. Edit App.js to use CalculateScore

Replace the contents of src/App.js with:  
  
import React from 'react';  
import './App.css';  
import CalculateScore from './Components/CalculateScore';  
  
function App() {  
 return (  
 <div className="App">  
 <CalculateScore />  
 </div>  
 );  
}  
  
export default App;

## 6. Run the application

In the terminal, run:  
  
npm start

## 7. View in your browser

Once the app starts, open your browser and visit:  
  
http://localhost:3000