SINGLE PAGE APPLICATION FRAMEWORK-REACT

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9.ReactJS HOL

App.js

import React, { useState } from 'react';

import ListofPlayers from './ListofPlayers';

import IndianPlayers from './IndianPlayers';

function App() {

  const [flag, setFlag] = useState(true);

  return (

    <div className="App">

      <h1>🏏 Cricket App</h1>

      <button onClick={() => setFlag(!flag)}>

        Show {flag ? 'Indian Players' : 'List of Players'}

      </button>

      {flag ? <ListofPlayers /> : <IndianPlayers />}

    </div>

  );

}

export default App;

IndianPlayers.js

import React from 'react';

const IndianPlayers = () => {

  const T20players = ["Rohit", "Surya", "Pant", "KL Rahul"];

  const RanjiTrophy = ["Pujara", "Rahane", "Shaw"];

  const mergedPlayers = [...T20players, ...RanjiTrophy];

  const oddPlayers = mergedPlayers.filter((\_, index) => (index + 1) % 2 === 1);

  const evenPlayers = mergedPlayers.filter((\_, index) => (index + 1) % 2 === 0);

  return (

    <div>

      <h2>Merged Players List</h2>

      <p>{mergedPlayers.map((player, i) => `Player ${i + 1}: ${player}`).join(", ")}</p>

      <h3>Odd Team Players (Player 1, 3, 5...)</h3>

      <ul>

        {oddPlayers.map((player, index) => (

          <li key={index}>{player}</li>

        ))}

      </ul>

      <h3>Even Team Players (Player 2, 4, 6...)</h3>

      <ul>

        {evenPlayers.map((player, index) => (

          <li key={index}>{player}</li>

        ))}

      </ul>

    </div>

  );

};

export default IndianPlayers;

ListOfPlayers.js

import React from 'react';

const ListofPlayers = () => {

  const players = [

    { name: "Virat", score: 80 },

    { name: "Rohit", score: 45 },

    { name: "Dhoni", score: 100 },

    { name: "Kohli", score: 60 },

    { name: "Pant", score: 55 },

    { name: "KL Rahul", score: 75 },

    { name: "Bumrah", score: 30 },

    { name: "Shami", score: 70 },

    { name: "Jadeja", score: 90 },

    { name: "Ashwin", score: 65 },

    { name: "Surya", score: 95 }

  ];

  const below70 = players.filter(player => player.score < 70);

  return (

    <div>

      <h2>All Players</h2>

      {players.map((player, index) => (

        <p key={index}>{player.name}: {player.score}</p>

      ))}

      <h2>Players with score below 70</h2>

      {below70.map((player, index) => (

        <p key={index}>{player.name}: {player.score}</p>

      ))}

    </div>

  );

};

export default ListofPlayers;

Output:

A screenshot of a cricket app

Description automatically generated

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Description automatically generated