OUTPUTS – React

Exercise 1:

Welcome the first session of React

Used create-react-app to quickly scaffold a React SPA, edited App.js to return a heading in JSX, and launched the dev server with npm start to render our first React view.

Exercise 2:

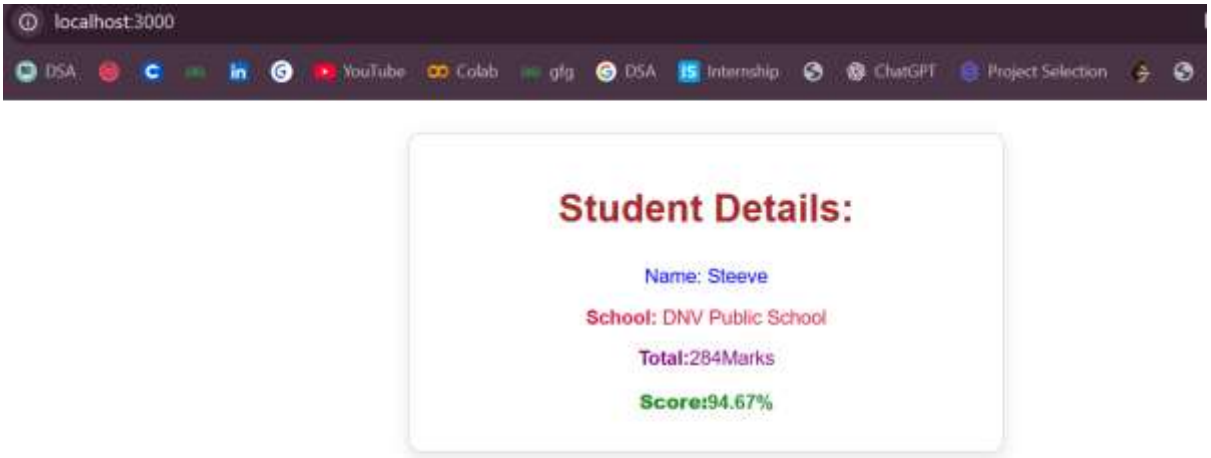
Welcome to the Home Page of Student Management Portal

Welcome to the About Page of Student Management Portal

Welcome to the Contact Page of Student Management Portal

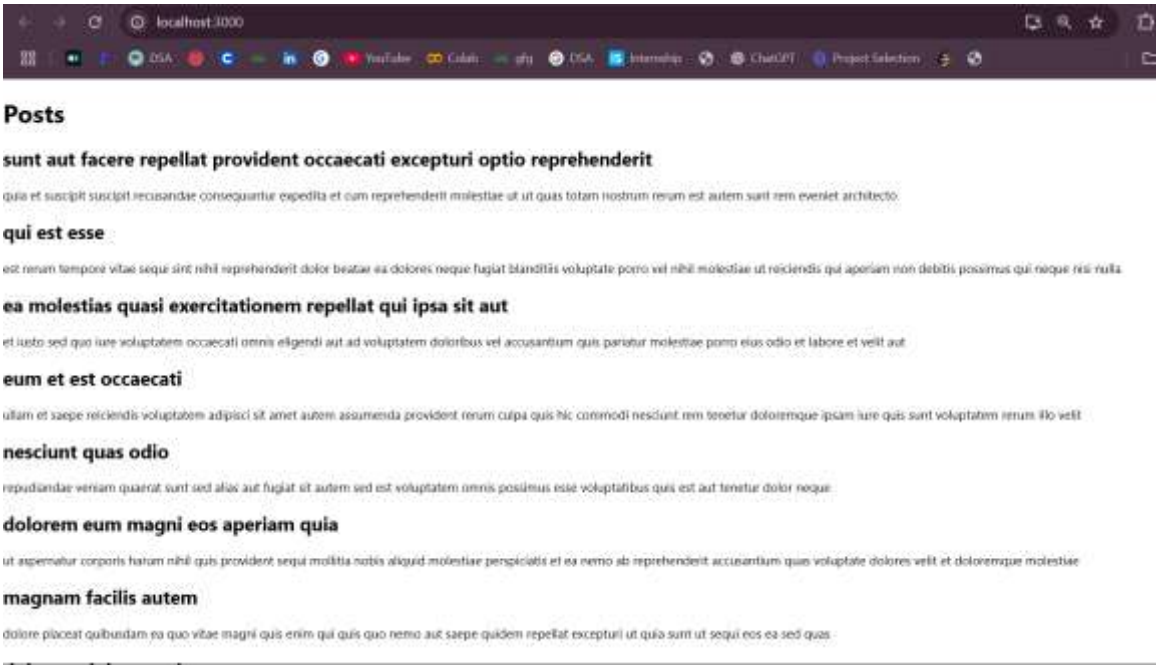
We created three **class components**—Home, About, and Contact—each using a render() method to return JSX. These were imported into App.js and rendered sequentially, showcasing modular and reusable UI building with React components.

Exercise 3:



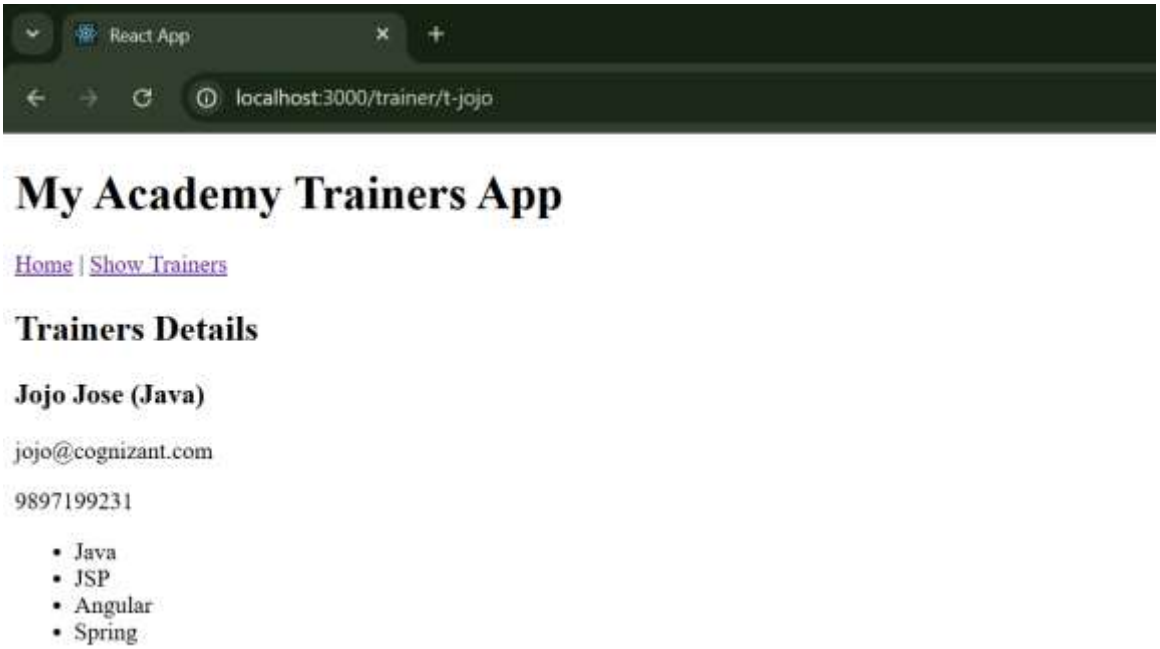
Here we built a **function component** using props to calculate the average score dynamically. CSS was modularized using an external file for clean styling. Functional components are stateless, and ideal for simple, reusable UI blocks like this one.

Exercise 4:



We created a class-based component Posts, initialized the state with an empty array, and fetched posts from an API in componentDidMount(). Posts are displayed using a reusable Post component. Any runtime error during rendering is caught by componentDidCatch() for graceful handling.

Exercise 5:



We used **CSS Modules** to scope styling specifically to the CohortDetails component using styles.box. The <h3> was styled **conditionally using inline styles** to reflect cohort status. This shows how to mix scoped modular CSS with dynamic JS-based styling.