**Activity**

**Activity: Building a Student Management System**

**Objective:**

* To develop a Student Management System with CRUD functionality using HTTP methods.

**Components:**

1. **Student Registration Component:**

* Allows users to register new students with fields such as ID, name, age, and grade.

1. **Student List Component:**

* Displays a list of registered students.
* Provides a remove button for each student to delete them from the system.

**Instructions:**

**Setting Up the Mock Server:**

* Use any mock server tool or platform of your choice (e.g., JSON Server).
* Create a mock server endpoint to handle CRUD operations for student details (fields: id, name, age, grade).

**Building the Student Registration Component:**

* Design a form within your application allowing users to input student details (ID, name, age, grade).
* Upon submission, utilize the appropriate HTTP method (POST) to send the data to the mock server for registration.

**Implementing the Student List Component:**

* Develop a component to display a list of registered students.
* Retrieve student data from the mock server using the appropriate HTTP method (GET).
* For each student displayed, include a remove button.
* Implement functionality so that clicking the remove button sends an HTTP DELETE request to the mock server to delete the respective student.