INET2005 MiniProject

Student Database Management System

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Contents

Retrieving Student Data

- **Retrieve all data:**

    Using the GET Http verb, send a request to "localhost:8080/api/students/" to receive a response containing all student data.

- **Retrieve data by Student ID:**

    Using the GET Http verb, send a request to "localhost:8080/api/students/id/" followed by the desired ID number to receive a response containing the data of the cooresponding student record.

- **Retrieve data by Course Name:**

    Using the GET Http verb, send a request to "localhost:8080/api/students/course/" followed by the desired course name to receive a response containing the data of the students enrolled in that course.

- **Retrieve data by Class Section Number:**

    Using the GET Http verb, send a request to "localhost:8080/api/students/section/" followed by the desired section number to receive a response containing the data of the students listed within that section.

Creating Student Data

Create a new Student record:

Using the POST Http verb, send a request to "localhost:8080/api/students/add-student" containing a JSON in the request body that contains a new student's first name, last name, the name of the course they are enrolling in, and the number of which class section they will be assigned to. The student ID will be generated automatically to ensure uniqueness.

Updating Student Data

Update an existing Student record:

Using the PUT Http verb, send a request to "localhost:8080/api/students/update-student/" followed by the student ID of the record that needs to be updated, along with a JSON in the request body that contains the student's current first name, last name, course they are enrolled in, and class section number they are assigned to. Please enter all the information, even if it is not different than the older record to prevent server errors.

Deleting Student Data

- Deleting data by Student ID:

    Using the DELETE Http verb, send a request to "localhost:8080/api/students/remove-student/" followed by the student ID of the record to be deleted to remove the record from the system.

- Deleting all Student data:

    Using the DELETE Http verb, send a request to "localhost:8080/api/students/remove-student/all" to remove all current student records from the system.