This document serves as a dissection of the current routes found in the Database Breakdown branch. Each route section shows the purpose of the route, what is needed for the route to work, error codes, and results.

/health - Health Route
Return whether port is active

No params needed.

Responds with data array: {status, port} and a 200 on success.
Returns a 500 for an internal server error.

Student Route:

GET
/student/ - Get All Students
Return all students found within the database

No params needed.

Responds with data array: {id, name} and a 200 on success.
Returns a 404 if there are no students with msg: "No students registered".
Returns a 500 for internal server error with error msg.

/student/id/:id - Get Student by ID
Given an id, return matching student

Params:
  URL:
        id, this refers to student ID

Responds with data array: {id, name} and a 200 on success.
Returns a 400 for missing params with msg: "Input an id".
Returns a 404 if unable to find a student with msg: "Student id not found".
Returns a 500 for an internal server error with error msg.

/student/name/:name - Get Student by Name

Given a name, return matching student(s)

Params:
  URL:
        name, this refers student name

Responds with data array: {id, name} and a 200 on success.
Returns a 400 missing params with msg: "Input an name".
Returns a 404 if a student is not found with msg: "Student name not found".
Returns a 500 for an internal server error with msg.

POST

/student/ - Create New Student

Given a name, create and return new student

Params;
  Body:
        name, this refers to name of student

Responds with data array: {id, name} and a 201 on success.
Returns a 400 for missing params with msg: "Input a name".
Returns a 500 for an internal server error with msg.

DELETE

/student/:id - Delete Student

Given an id, delete student

Params:
  URL:
        id, this refers to student ID

Responds with a 204 on success.
Returns a 404 if student is not deleted with msg: "Student not deleted".
Returns a 500 for an internal server error with msg.

Course Route:

/course/ - Get All Course

Return all courses found within the database

No params needed.

Responds with data array: {id, name} and a 200 on success.
Returns a 404 if there are no courses with msg: "No courses registered".
Returns a 500 for internal server error with error msg.

/course/id/:id - Get Course by ID

Given an id, return matching course

Params:
  URL:
        id, this refers to course ID

Responds with data array: {id, name} and a 200 on success.
Returns a 400 for missing params with msg: "Input an id".
Returns a 404 if unable to find a course with msg: "Course id not found".
Returns a 500 for an internal server error with error msg.

/course/name/:name - Get Course by Name

Given a name, return matching course

Params:
  URL:
        name, this refers course name

Responds with data array: {id, name} and a 200 on success.
Returns a 400 missing params with msg: "Input an name".
Returns a 404 if course is not found with msg: "Course name not found".
Returns a 500 for an internal server error with msg.

POST

/course/ - Create New Course

Given a name, create and return new course

Params;
  Body:
        name, this refers to name of course

Responds with data array: {id, name} and a 201 on success.
Returns a 400 for missing params with msg: "Input a name".
Returns a 400 if course already exists with msg: "Course name already exists".
Returns a 500 for an internal server error with msg.

DELETE

/course/:id - Delete Course

Given an id, delete course

Params:
  URL:
        id, this refers to course ID

Responds with a 204 on success.
Returns a 404 if course is not deleted with msg: "Course not deleted".
Returns a 500 for an internal server error with msg.