

# **STUDENT MANAGEMENT SYSTEM**

## **API DOCUMENTATION**

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## 1. Classroom API

HTTP Method	Path	Request Body	Description	Return
POST	/classes	JSON representing the class to create	Creates a new class	Status code 200. JSON with the created class
GET	/classes?code={code}	NA	Finds a class by code.	<b>If found:</b> Status code 200. JSON with the found class. <b>If not found:</b> Status code 404.
GET	/classes/search	NA	Returns all the classes	Status code 200. JSON with the found classes (will be empty if there are no classes)
GET	/classes/search?title={title}	NA	Finds classes by title	Status code 200. JSON with the found classes (will be empty if there are no classes)
GET	/classes/search?description={description}	NA	Finds classes by description	Status code 200.

				JSON with the found classes (will be empty if there are no classes)
GET	/classes/search?title={title}&description={description}	NA	Finds classes by title and description	Status code 200. JSON with the found classes (will be empty if there are no classes)
GET	/classes/students?code={code}	NA	Finds the students assigned to a class	<b>If class exists:</b> Status code 200. JSON with the students. <b>If class does not exist:</b> Status code 404.
PUT	/classes	JSON representing the class to update	Updates a class with the given data	<b>If class exists:</b> Status code 200. JSON with the updated class. <b>If class does not exist:</b> Status

				code 404.
DELETE	/classes?code={code}	NA	Deletes a class	<b>If found:</b> Status code 200. <b>If not found:</b> Status code 204.

## 2. Student API

HTTP Method	Path	Request Body	Description	Return
POST	/students	JSON representing the student to create	Creates a new student	Status code 200. JSON with the created student
POST	/students/{studentId}/class/{classroomCode}	NA	Assigns a student to a classroom	<b>If student and class found:</b> Status code 200. JSON with the updated student <b>If student or class not found:</b> Status code 404.
DELETE	/students/{studentId}/class/{classroomCode}	NA	Removes a student from a classroom	<b>If student and class found:</b> Status

				code 200. <b>If student or class not found:</b> Status code 404.
GET	/students?id={id}	NA	Finds a student by id.	<b>If found:</b> Status code 200. JSON with the found student. <b>If not found:</b> Status code 404.
GET	/students/search	NA	Returns all the students	Status code 200. JSON with the found students (will be empty if there are no students)
GET	/students/search?firstName={firstName}	NA	Finds students by first name	Status code 200. JSON with the found students (will be empty if there are no students)
GET	/students/search?lastName={lastName}	NA	Finds students by last name	Status code 200.

				JSON with the found students (will be empty if there are no students)
GET	/students/search?firstName={firstName}&lastName={lastName}	NA	Finds students by first and last name	Status code 200. JSON with the found students (will be empty if there are no students)
GET	/students/classes?id={id}	NA	Finds the classes assigned to a student	<b>If student exists:</b> Status code 200. JSON with the classes. <b>If student does not exist:</b> Status code 404.
PUT	/students	JSON representing the student to update	Updates a student with the given data	<b>If student exists:</b> Status code 200. JSON with the updated student. <b>If student does</b>

				<b>not exist:</b> Status code 404.
DELETE	/students?id={id}		Deletes a student	<b>If found:</b> Status code 200. <b>If not found:</b> Status code 204.