

# **STUDENT MANAGEMENT SYSTEM**

## **API DOCUMENTATION**

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## 1. Classroom API

HTTP Method	Path	Description	Return
POST	/classes/{code}/{title}/{description}	Creates a new class	Status code 200. JSON with the created class
GET	/classes/{code}	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	Returns all the classes	Status code 200. JSON with the found classes (will be empty if there are no classes)
GET	/classes?title={title}	Finds classes by title	Status code 200. JSON with the found classes (will be empty if there are no classes)
GET	/classes?description={description}	Finds classes by description	Status code 200. JSON with the found classes (will be empty if there are no classes)
GET	/classes?title={title}&description={description}	Finds classes by title and description	Status code 200. JSON with the found classes (will be empty if there are no classes)
GET	/classes/{code}/students	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/{code}/{title}/{description}	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}	Deletes a class	<b>If found:</b> Status code 200. <b>If not found:</b> Status code 404.
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## 2. Student API

HTTP Method	Path	Description	Return
POST	/students/{firstName}/{lastName}	Creates a new student	Status code 200. JSON with the created student
POST	/students/{studentId}/class/{classroomCode}	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}	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}	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	Returns all the students	Status code 200. JSON with the found

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

DELETE	/students/id	Deletes a student	<b>If found:</b> Status code 200. <b>If not found:</b> Status code 404.
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