

C Path	Role	Type	Require	Return	Description	Comment
/auth/addProfessor	AP	POST	@RequestPart("user") ProfessorDTO professor, @RequestPart("file") MultipartFile file	Boolean		
/auth/addStudent	AP	POST	@RequestPart("user") StudentDTO student, @RequestPart("file") MultipartFile file	Boolean		
/auth/getImage	ALL	POST	@RequestParam("id") String username	IMAGE_JPEG_VALUE		
/auth/signin	ALL	POST	Username, Password	Token, Username		
/me	APS	GET		UserDetails		
/API/courses	AP	POST	CourseDTO	CourseCourseDTO	Add Course	
/API/courses	APS	GET		List<CourseDTO>	Get Course	
/API/courses/{courseName}	APS	GET		Optional<CourseDTO>		
/API/courses/{courseName}/addProfessor	AP	POST	@RequestParam String id	Boolean	Add professor to course	
/API/courses/{courseName}/addSubmission	AP	POST	@RequestPart("submission") SubmissionDTO submission, @RequestPart("file") MultipartFile file	SubmissionDTO+mail	Add submission to course	
/API/courses/{courseName}/availableStudents	APS	GET		List<StudentDTO>		
/API/courses/{courseName}/createVMType	AP	POST	VMTypeDTO	Long	create vm type	
/API/courses/{courseName}/delete	AP	POST		Boolean	Delete a course	
/API/courses/{courseName}/deleteOne	AP	POST	@RequestParam String studentId	Boolean+mail	Delete a student from course	
/API/courses/{courseName}/disable	AP	POST		Boolean+mail		
/API/courses/{courseName}/enable	AP	POST		Boolean		
/API/courses/{courseName}/enrolled	AP	GET		List<StudentDTO>	Get all student enrolled to course	
/API/courses/{courseName}/enrollMany	AP	POST	@RequestParam("file") MultipartFile CSVfile	List<Boolean>	Add list of student to course	
/API/courses/{courseName}/enrollOne	AP	POST	StudentDTO	Boolean	Add One student to course	
/API/courses/{courseName}/getAISubmissions	APS	GET		List<SubmissionDTO>	Get all submission	
/API/courses/{courseName}/getVMType	APS	GET		VMTypeDTO		
/API/courses/{courseName}/professors	APS	GET		List<ProfessorDTO>		
/API/courses/{courseName}/proposeTeam	AS	POST	@RequestParam String name, @RequestParam Timestamp timestamp, @RequestBody List<String> membersids	Boolean		
/API/courses/{courseName}/setVMType	AP	POST	@RequestParam Long vmId	Boolean	Set VM Type	
/API/courses/{courseName}/studentsInTeams	APS	GET		List<StudentDTO>		
/API/courses/{courseName}/submissions/{id}	APS	GET		SubmissionDTO	Get submission by id	
/API/courses/{courseName}/teams	APS	GET		List<TeamDTO>		
/API/courses/{courseName}/update	AP	POST	CourseDTO	Boolean	Update informations of a course	
/API/courses/{professorId}/getCourses	APS	GET		List<CourseDTO>	Get Professor Courses	
/API/courses/{submissionId}/stopRevisions	AP	POST		Void		
/API/courses/submissions/getImage/{id}	ALL	GET		IMAGE_JPEG_VALUE		
/API/notifications/confirm/{token}	AS	GET		View + mail	Accept team invite	
/API/notifications/reject/{token}	AS	GET		View + mail	Reject team invite	
/API/students/	AP	GET		List<StudentDTO>	Get all student	
/API/students/{id}	APS	GET		StudentDTO	Get one student	
/API/students/{id}/courses	APS	GET		List<CourseDTO>	Get student's courses	
/API/students/{id}/teams	APS	GET		List<TeamDTO>	Get student's team	
/API/students/{studentId}/{courseName}/getAISolutions	APS	GET		List<SolutionDTO>	Get all the (latest) solution submitted from a student for a course ( indep. from submission id)	
/API/students/{studentId}/{solutionId}/evaluateSolution	AP	POST	@RequestParam Long evaluation	Boolean	Assign mark to specific solution	
/API/students/{studentId}/{solutionId}/getSolution	APS	GET		SolutionDTO	Get a specific solution	
/API/students/{studentId}/{submissionId}/addSolution	AS	POST	@RequestPart("submission") SolutionDTO sol, @RequestPart("file") MultipartFile file	String	Submit solution	
/API/students/{studentId}/{solutionId}/getImage	ALL	GET		IMAGE_JPEG_VALUE		
/API/students/{studentId}/{submissionId}/getHistorySolutions	APS	GET		List<SolutionDTO>	Get history of a student solution	
/API/students/{studentId}/{submissionId}/getLatestSolution	APS	GET		List<SolutionDTO>	Get student's latest solution of a specific submission	
/API/students/{submissionId}/getAISolutions	APS	GET		List<SolutionDTO>	Get all students solution (only latest) of a specific submission	
/API/team/{teamId}/{studentId}/addMember	APS	POST	@RequestParam Timestamp timestamp	Void		
/API/team/{teamId}/{studentId}/deleteMember	APS	POST		Void	Delete member from team (see constraints)	
/API/team/{teamId}/confirmedStudents	APS	GET		List<StudentDTO>		
/API/team/{teamId}/createVmInstance	AS	POST	VMDTO	VMDTO	Create vm instance	
/API/team/{teamId}/evictTeam	AP	POST		Void		
/API/team/{teamId}/members	APS	GET		List<StudentDTO>	Get all members of a team	
/API/team/{teamId}/pendentStudents	APS	GET		List<StudentDTO>		
/API/team/{teamId}/setTeamLimits	AP	POST	TeamDTO	TeamDTO		
/API/team/{teamId}/stats	APS	GET		String Usage (Ram,CPU,HDD)	Get live usage	
/API/team/{teamId}/vms	APS	GET		List<VMDTO>	Get all created vm	
/API/vm/{vmId}/addOwner	AS	POST	String studentId	Boolean	Add Owner	
/API/vm/{vmId}/delete	AS	POST		Boolean	Safe delete VM	
/API/vm/{vmId}/getCurrentConfiguration	APS	GET		VMDTO	Get current configuration of VM	
/API/vm/{vmId}/getOwners	APS	GET		List<StudentDTO>	Get all owners*	
/API/vm/{vmId}/modifyConfiguration	AS	POST	VMDTO	Boolean	Modify configuration	
/API/vm/{vmId}/modifyOwner	AS	POST	String studentId	Boolean	Modify owner	
/API/vm/{vmId}/powerOff	APS	POST		Boolean	Turn off VM	
/API/vm/{vmId}/getImage/{vmId}	APS	GET		IMAGE_JPEG_VALUE		
/API/vm/{vmId}/powerOn	APS	POST		Boolean	Turn on VM	