Team:	Team Aguacate
Test Procedure:	Santiago
Date:	6-Nov-13
Performed by:	Daniel Santiago
Reviewed by:	Nelian Colon

Tools to be Used
Terminal
Sendgrid
Text editor (Sublime Text)
Chai
MongoDB
Postman
Browser (Chrome)
Mocha
Node.js

Testing
To run all the tests go to home/panda and run sudo npm test.
All tests will be HTTP requests with associated payload

Test ID	Test Description	Instructions	Payload	Expected Outcome	Pass/Fail	Comments
C_1	Create Course	Perform HTTP POST to ./api/courses	{ 'name': 'A Fake Course', 'code': 'FAKE3001', 'year': '2013', 'semester': 'Fall', }	Status Code: 201	✔	generated id for newly created course will be used across the next courses tests
C_2	Fail creating course with missing payload	Perform HTTP POST to ./api/courses	-	Status Code: 400	✔	
C_3	Get Created Course	Perform HTTP GET to ./api/courses/:id	-	Status Code: 200, Body contains course information	✔	:id is replaced by the id of the course created before
C_4	Get Multiple Courses	Perform HTTP GET to ./api/courses	-	Status Code: 200, Body contains array of courses with their information	✔	
C_5	Get a course with its users, assignments and submissions	Perform HTTP GET to ./api/courses/:id?users=true&assignments=true&submissions=true	-	Status Code: 200, Body contains course information along with its users, assignments and submissions	✔	
C_6	Add student to course	Perform HTTP POST to ./api/courses/:id/users/:sid	-	Status Code: 200	✔	:sid is replaced by the student id
C_7	Get course and check student was added	Perform HTTP GET to ./api/courses/:id	-	Status Code: 200, course information in body contains added student's id	✔	
C_8	Fail adding student to unknown course	Perform HTTP POST to ./api/courses/:id/users/:sid	-	Status Code: 404	✔	
C_9	Fail adding unknown student to course	Perform HTTP POST to ./api/courses/:id/users/:sid	-	Status Code: 404	✔	
C_10	Remove user from course	Perform HTTP DELETE to ./api/courses/:id/users/:sid	-	Status Code: 200	✔	
C_11	Fail removing user from unknown course	Perform HTTP DELETE to ./api/courses/:id/users/:sid	-	Status Code: 404	✔	
C_12	Get course and check student was removed	Perform HTTP GET to ./api/courses/:id	-	Status Code: 200, course information in body does not contain removed student	✔	
C_13	Delete course	Perform HTTP DELETE to ./api/courses/:id	-	Status Code: 200	✔	
C_14	Fail deleting already deleted course	Perform HTTP DELETE to ./api/courses/:id	-	Status Code: 404	✔	

C_15	Fail getting deleted course	Perform HTTP GET to ./api/courses/:id	-	Status Code: 404	✔	
U_1	Create User	Perfom HTTP POST to ./api/users	{ 'email': 'alguien.nadie@upr.edu', 'password': '12345', 'firstName': 'Alguien', 'lastName': 'Nadie', 'role': 'Student' }	Status Code: 201	✔	generated id for newly created user will be used across the next users tests
U_2	Fail creating user with missing payload	Perfom HTTP POST to ./api/users	-	Status Code: 400	✔	
U_3	Fail creating user with email taken	Perfom HTTP POST to ./api/users	{ 'email': 'alguien.nadie@upr.edu', 'password': '12345', 'firstName': 'Alguien', 'lastName': 'Nadie', 'role': 'Student' }	Status Code: 400	✔	
U_4	Fail logging in with bad username	Perfom HTTP POST to ./auth/login	{ 'email': 'malo.nadie@upr.edu', 'password': '12345'}	Status Code: 401	✔	
U_5	Fail logging in with bad password	Perfom HTTP POST to ./auth/login	{ 'email': 'malo.nadie@upr.edu', 'password': 'malo'}	Status Code: 401	✔	
U_6	Login as user	Perfom HTTP POST to ./auth/login	{ 'email': 'alguien.nadie@upr.edu', 'password': '12345'}	Status Code: 200, receive autentication token	✔	
U_7	Get created user	Perform HTTP GET to ./api/users/:id	-	Status Code: 200, body contains user information	✔	:id is replaced by the id of the user created before
U_8	Get multiple users	Perform HTTP GET to ./api/users	-	Status Code: 200, body contains array of users with their information	✔	
U_9	Get user with courses, assignment and submissions	Perform HTTP GET to ./api/users/:id?courses=true&assignments=true&submissions=true	-	Status Code: 200, body contains user information along with its courses, assignments and submissions	✔	
U_10	Delete created user	Perform HTTP DELETE to ./api/users/:id	-	Status Code: 200	✔	
U_11	Fail deleting already deleted user	Perform HTTP DELETE to ./api/users/:id	-	Status Code: 404	✔	
U_12	Fail getting deleted user	Perform HTTP GET to ./api/users/:id	-	Status Code: 404	✔	
T_1	Single file correct verdict	Go to ./jsubmit.html. Select ExampleProgram.java as source file. Expected Output field should be: "I'm a Simple Program."	-	Status Code: 200, body contains verdict: Correct	✔	Files are located in panda/test/res
T_2	Single file wrong answer verdict	Go to ./jsubmit.html. Select ExampleProgram.java as source file. Expected Output field should be left empty.		Status Code: 200, body contains verdict: Wrong Answer	✔	
T_3	Compile error verdict	Go to ./jsubmit.html. Select BadExampleProgram.java as source file.		Status Code: 200, body contains verdict: Compile Error	✔	

T_4	I/O piping	Go to ./jsubmit.html. Select ReadInput.java as source file. Input field must be "Hola Mundo" and Expected Output field must be "Hola Mundo".		Status Code: 200, body contains verdict: Correct	✔	Providing same input and output confirms that the programs receives input from standard I/O streams
T_5	Runtime Exception verdict	Go to ./jsubmit.html. Select RuntimeEx.java as source file.		Status Code: 200, body contains verdict: Runtime Exception	✔	
T_6	Time limit exceeded verdict	Go to ./jsubmit.html. Select InfiniteLoop.java as source file.		Status Code: 200, body contains verdict: Time Limit Exceeded	✔	3 seconds time limit
T_7	Memory limit exceeded verdict	Go to ./jsubmit.html. Select MemO.java as source file.		Status Code: 200, body contains verdict: Memory Limit Exceeded	✔	~25Mb memory limit
T_8	Multiple files correct verdict	Go to ./zipsubmit.html. Select source archive llzip.zip as source file. Select IndexListTester.java as Main Class Tester. Expected Output must be equal to the contents of llReferenceOutput.txt		Status Code: 200, body contains verdict: Correct	✔	
T_9	Multiple files wrong answer verdict	Go to ./zipsubmit.html. Select source archive llzip.zip as source file. Select IndexListTester.java as Main Class Tester. Expected Output must be empty		Status Code: 200, body contains verdict: Wrong Answer	✔	
T_10	Queue test	Perform HTTP GET to ./test/queue. Watch console.		Status Code: 200, body contains verdict: Correct	✔	Internal workflow of a queue is processed grading a multiple file source code with multiple tests.
A_1	Create Assignment	Perform HTTP POST to ./api/assignments	{ 'name': 'A fake assignment', 'shortDescription': 'Not a real assignment', 'creationDate': '2013-11-02T18:41:55.410Z', 'deadline': '11/11/2013', 'numOfTries': 2, }	Status Code: 201	✔	generated id for newly created assignment will be used across the next users tests
A_2	Fail creating assignment with missing payload	Perform HTTP POST to ./api/assignments	-	Status Code: 400	✔	
A_3	Get created assignment	Perform HTTP GET to ./api/assignments/:id	-	Status Code: 200, body contains assignment information	✔	:id is replaced by the id of the assignment created before
A_4	Get multiple assignments	Perform HTTP GET to ./api/assignments	-	Status Code: 200, body contains array of assignments with their information	✔	
A_5	Get assignment with its submissions	Perform HTTP GET to ./api/assignments/:id?submissions=true	-	Status Code: 200, body contains assignment information along with its submissions	✔	

A_6	Add test case to assignment	Perform HTTP POST to ./api/assignments/:id/test	{ 'score': 10, 'timeLimit': 10, 'memLimit': 5, 'testInput': '5\n1 2\n2 3\n1 4\n3 4\n2 4', 'testOutput': '0, 1, 2, 1' }	Status Code: 201	✔	
A_7	Check test case was added to assignment	Perform HTTP GET to ./api/assignments/:id	-	Status Code: 200, body contains assignment with the recently added test case	✔	
A_8	Delete test case	Perform HTTP DELETE to ./api/assignments/:id/test/:tid	-	Status Code: 200	✔	:tid is replaced with the test case id
A_9	Check test case was deleted in assignment	Perform HTTP GET to ./api/assignments/:id	-	Status Code: 200, body contains assignment without the removed test case	✔	
A_10	Fail creating test case without payload	Perform HTTP POST to ./api/assignments/:id/test	-	Status Code: 400	✔	
A_11	Create test case with files	Perform HTTP POST to ./api/assignments/:id/test	{ 'score': 10, 'timeLimit': 10, 'memLimit': 5 }	Status Code: 201	✔	Multipart/form-data POST of files testInput.txt as testInput, testOutput.txt as testOutput, ExampleProgram.java as testerFile
A_12	Delete assignment	Perform HTTP DELETE to ./api/assignments/:id	-	Status Code: 200	✔	
A_13	Fail deleting already deleted assignment	Perform HTTP DELETE to ./api/assignments/:id	-	Status Code: 404	✔	
A_14	Fail getting deleted assignment	Perform HTTP GET to ./api/assignments/:id	-	Status Code: 404	✔	
				Total	100	