	Statement:			
Specification				
Data				
precondition				
Results				
postcondition				

	Number EC	Condition	Valid EC	Invalid EC
ID	1		Id id grater than 0	
	2	Is should be grater than 0		Id is smaller than 0
	3		Id is not an alpha	
	4	Id shouldn't be alpha		Id is alpha
	5		Id is not empty	
	6	Id shouldn't be empty		Id is empty
Name	7		Name is only made out of alpha	
	8	Name should not be a number		Name is made out of numbers
	9		Name is not empty	
	10	Name shouldn't be empty		Name is empty
Group	11		Group is made out of numbers	
	12	Group should be a numebr		Group is made out of alpha chars
	13		Group is not empty	
	14	Group shouldn't be empty		Group is empty
Email	15		Email should contain @	
	16	Email shouldn't be without @		Email doesn't contain @
	17		Email is not empty	
	18	Email shouldn't be empty		Email is empty
Teacher	19		Teacher should not contain numbers	
	20	Teacher should not be a number		Teacher contains numbers
	21		Teacher is not empty	
	22	Teacher shouldn't be empty		Teacher is empty

No TC	EC
1	1,3,5,7,9,11,13,15,17,19, 21
2	2
3	6, 10, 14, 18, 22
4	4
5	8
6	12
7	16
8	20

Remarks	1) TCs: x,y,z - are not possible
	2) TC X is equal to TC Y, redun
	3) TCs: m,n,k - not possible - c

input data
id = "1" nume="Oscar" grupa="933" email="goie2123@scs.ubbcluj.ro" prof="Profesor X"
id = "-1" nume="Oscar" grupa="933" email="goie2123@scs.ubbcluj.ro" prof="Profesor X"
id = "" nume="" grupa="" email="" prof=""
id="asd" nume="Oscar" grupa="933" email="goie2123@scs.ubbcluj.ro" prof="Profesor X"
id = "1" nume="12312" grupa="933" email="goie2123@scs.ubbcluj.ro" prof="Profesor X"
id = "1" nume="Oscar" grupa="abcd" email="goie2123@scs.ubbcluj.ro" prof="Profesor X"
id = "1" nume="Oscar" grupa="933" email="goie2123scs.ubbcluj.ro" prof="Profesor X"
id = "1" nume="Oscar" grupa="933" email="goie2123@scs.ubbcluj.ro" prof="1231"

to be created

dancy

output data			
expected	actual result		
student entered in the database	**result is as expected**		
validation error	**result not as expected**		
validation error	**result as expected**		
validation error	**result not as expected**		
validation error	**result not as expected**		
validation error	**result not as expected**		
validation error	result not as expected		
validation error	result not as expected		

	Number BVA
	1
	2
	3

Condition
nume should have length in range (2[at least 2 characters], 1000 [longest name in history]) and should not be a number
id should be in range (0,max signed int)
email should have a length in range (5 (minimum number of characters for a valid email),254 (maximum number of characters for a valid email))

BVA Test Case	
name="e"	1 character
name="ab"	2 characters
name="Lorem ipsum dolor sit amet,	1000 characters
name="Lorem ipsum dolor sit amet,	1001 characters
name="123"	number
id = -1	
id = 0	
id = 2,147,483,648	max signed int + 1
id = 2,147,483,647	max signed int
email = @a.b	4 characters
email = a@a.b	5 characters
email = c2BAqQitpDYObh0Y0r9wSbl	254 characters
email = c2BAqQitpDYOfbh0Y0r9wSb	255 characters

No TC	BVA
1	1
2	
3	
4	
5	2
6	
7	
8	
9	3
10	
11	
12	

input data
id = 1, nume = "e", Grupa = 930, Email = imihai@gmail.com, profesor = "Andrei Alexandru"
id = 2, nume = "ab", Grupa = 930, Email = imihai@gmail.com, profesor = "Andrei Alexandru"
id = 3, nume = "Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vestibulum consectetu
id = 4, nume = "Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec auctor dolor vit
id = -1, nume = "Ion Mihai", Grupa = 930, Email = imihai@gmail.com, profesor = "Andrei Alexan
id = 0, nume = "Ion Mihai", Grupa = 930, Email = imihai@gmail.com, profesor = "Andrei Alexand
id = 2147483647, nume = "Ion Mihai", Grupa = 930, Email = imihai@gmail.com, profesor = "And
id = 2147483648, nume = "Ion Mihai", Grupa = 930, Email = imihai@gmail.com, profesor = "And
id = 9, nume = "Ion Mihai", Grupa = 930, Email = @a.b, profesor = "Andrei Alexandru"
id = 10, nume = "Ion Mihai", Grupa = 930, Email = a@a.b, profesor = "Andrei Alexandru"
id = 11, nume = "Ion Mihai", Grupa = 930, Email = c2BAqQitpDYObh0Y0r9wSbI9PwqidI5K76olhw
id = 12, nume = "Ion Mihai", Grupa = 930, Email = c2BAqQitpDYOfbh0Y0r9wSbI9PwqidI5K76olh\

		output data	
		expected	actual
		error, name too short	works
		should add student	works
ı sed diam	should work, name = 1000 characters	works
aximus pos	error, name > 1000 characters	works
		error, id < 0	works
		should work, id = 0	works
exandru"	should work, id = max int	works
exandru"	shouldn't work, id > max int	works
		error, email too short	works
		should work, size of email is = 5 characters	works
O99m0Qw	should work, size of email = 1000 characters	works
tO99m0Qv	error, size of email > 1000 characters	works

4

No TC	TC from EC	TC from BVA	expected
	FINAL	input data	
1	1,3,5,7,9,11,13,15,17,19, 21,23,25,27	id = 77, nume = "Ion Mihai", Grupa = 930, Email = imihai@gmail.com, profesor = "Andrei Alexandru"	student entered in the database
2	2	id = 77, nume = "Ion Mihai", Grupa = 930, Email = imihai@gmail.com, profesor = "Andrei Alexandru"	error message, id not unique
3	4	id =, nume = "Ion Mihai", Grupa = 930, Email = imihai@gmail.com, profesor = "Andrei Alexandru"	error message, id is null
4	6	id = "abc", nume = "Ion Mihai", Grupa = 930, Email = imihai@gmail.com, profesor = "Andrei Alexandru"	error message, id is not integer
5	8	id = 10, nume = 223, Grupa = 930, Email = imihai@gmail.com, profesor = "Andrei Alexandru"	error message, name is not string
6	10	id = 10, nume =, Grupa = 930, Email = imihai@gmail.com, profesor = "Andrei Alexandru"	error message, name is null
7	12	id = 10, nume ="Ion Mihai", Grupa = -1, Email = imihai@gmail.com, profesor = "Andrei Alexandru"	error message, grupa should exist
8	14	id = 10, nume ="Ion Mihai", Grupa = , Email = imihai@gmail.com, profesor = "Andrei Alexandru"	error message, grupa shouldn't be null
9	16	id = 10, nume ="Ion Mihai", Grupa = "paispe", Email = imihai@gmail.com, profesor = "Andrei Alexandru"	error message, grupa should be an integer
10	18, 20	id = 77, nume = "Ion Mihai", Grupa = 930, Email = 123, profesor = "Andrei Alexandru"	error message, email should be a string and should contain @ character
11	22	id = 77, nume = "Ion Mihai", Grupa = 930, Email = imihai@gmail, profesor = "Andrei Alexandru"	error message, email should contain a valid domain name
12	24	id = 77, nume = "Ion Mihai", Grupa = 930, Email =, profesor = "Andrei Alexandru"	error message, email is null
13	26	id = 77, nume = "Ion Mihai", Grupa = 930, Email = imihai@gmail.com, profesor =123	error message, professor should be a string

	14	28	id = 77, nume = "Ion Mihai", Grupa = 930, Email = imihai@gmail.com, profesor =	error message, professor is null
	15		id = 1, nume = "e", Grupa = 930, Email = imihai@gmail.co	error, name too shor
	16	29	id = 2, nume = "ab", Grupa = 930, Email = imihai@gmail.c	should add student
	17		id = 3, nume = "Lorem ipsum dolor sit amet, consectetur	should work, name =
	18		id = 4, nume = "Lorem ipsum dolor sit amet, consectetur	error, name > 1000
	19		id = -1, nume = "Ion Mihai", Grupa = 930, Email = imihai@	error, id < 0
	20	30	id = 0, nume = "Ion Mihai", Grupa = 930, Email = imihai@g	should work, id = 0
	21		id = 2147483647, nume = "Ion Mihai", Grupa = 930, Email	should work, id = ma
	22		id = 2147483648, nume = "Ion Mihai", Grupa = 930, Email	shouldn't work, id >
	23		id = 9, nume = "Ion Mihai", Grupa = 930, Email = @a.b, pr	error, email too shor
	24	31	id = 10, nume = "Ion Mihai", Grupa = 930, Email = a@a.b,	should work, size of
	25		id = 11, nume = "Ion Mihai", Grupa = 930, Email = c2BAqC	should work, size of
	26		id = 12, nume = "Ion Mihai", Grupa = 930, Email = c2BAqC	error, size of email >

output data
actual result
result is as expected
result is NOT as expected
result is as expected
result is NOT as expected
result is NOT as expected
result is as expected
result is as expected
result is as expected
result is as expected
result is NOT as expected
result is NOT as expected
result is as expected
result is NOT as expected

result is NOT as expected
works
works
works
works
works
works
works
works
works
works
works
works

| Req. ID | TCs run | Testing | | | Debugging | Re-testing | | | |
		TCs passed	TCs failed	No of BUGS	Bugs Fixed	Re-tested	TCs run	TCs passed	TCs failed
Req_a)	0				no	not yet	0		