

Registration System

METHODS:

1. AdminAccount
 - 1.1. boolean validateTutorLogin(String tutorUser, String tutorPassword)
 - 1.2. void viewReport(Scanner scanner, String fileName)
 - 1.3. void findStudent(Scanner scanner, String fileName)
2. Tutor
 - 2.1. public static ArrayList<Tutor> readTutors(String fileName)
 - 2.2. private static Tutor findTutorByDni(String fileName, String dni)
 - 2.3. public static void printTutors(List<Tutor> tutors)
 - 2.4. public static void updateTutors(Scanner scanner, String fileName, boolean adminOProfesor)
3. StudentReport
 - 3.1. String calculateGrade(float unit1Grade, float unit2Grade)
 - 3.2. void calculateFinalGrade(double unit1Grade, double unit2Grade, double supplementaryGrade)
 - 3.3. void determinateTypeOfRegistration(String registrationType)

TEST CASES:

1. AdminAccount
 - 1.1. validateTutorLogin
 - 1.1.1. **input1:** tutorUser
 - 1.1.2. **input2:** tutorPassword
 - 1.1.3. **output:** Boolean

tutorUser	tutorPassword	expectedResult
LooogicLegionnn	14541	FALSE
MarceloooAcuna	70801	FALSE
MarceloAcunna	70801	TRUE
70801	MarceloAcunna	FALSE
LogicLegion	14541	FALSE
User	User	FALSE
Admin	Admin	FALSE
AbnerArboleda	50602	TRUE
tutor	Password	FALSE

DannyAyuquina	31104	TRUE
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1.2. readStudent

1.2.1. **input1:** fileName (String)

1.2.2. **output:** ArrayList<Students>

fileName	expectedResult
AdministracionFinanciera	ArrayList<Students>
Algebraaa	not found
Contabilidad	ArrayList<Students>
Marketing	ArrayList<Students>
Informatica	not found
Qu6imicaa	not found
Fisica	not found
Quimica	ArrayList<Students>
Matematicas	not found
Redes y Telecomunicaciones	ArrayList<Students>

1.3. findStudent

1.3.1. **input1:** dni

1.3.2. **output:** Student

dni	expectedResult
1850543596	Student found
1708099371	Student not found
1850598011	Student not found
1850598010	Student found
1717117171	Student not found
1724122427	Student found
1800000000	Student not found
1716151431	Student not found
1753093093	Student found

1580598010	Student not found
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2. Tutor

2.1. readTutors

2.1.1. **input1:** String fileName

2.1.2. **output:** ArrayList<Tutor>

fileName	expectedResult
ttors	ArrayList<Tutor> not found
tuutors	ArrayList<Tutor> not found
yutors	ArrayList<Tutor> not found
tuttors	ArrayList<Tutor> not found
tuutors	ArrayList<Tutor> not found
tuuutoooors	ArrayList<Tutor> not found
ttors	ArrayList<Tutor> not found
tutors	ArrayList<Tutor>
2tors	ArrayList<Tutor> not found
tutttorrrs	ArrayList<Tutor> not found

2.2. findTutorByDni

2.2.1. input1: String fileName

2.2.2. input2: String dni

2.2.3. output: Tutor (or null if not found)

fileName	dni	expectedResult
tutor	1724122427	Tutor found
2tors	1708099371	Tutor not found
tutttorrrs	1850598011	Tutor not found
yutors	1800000000	Tutor not found
tuttors	1716151431	Tutor not found

tutor	1850543596	Tutor found
tutor	1850598010	Tutor found
tutor	1753093093	Tutor found
tuutors	1580598010	Tutor not found
tuuutoooors	1708099371	Tutor not found

3. StudentReport

3.1. calculateGrade

3.1.1. **input1:** float unitOne

3.1.2. **input2:** float unitTwo

3.1.3. **output:** String finalGrade

unitOne	unitTwo	expectedResult
7	7	7
1666	2354	2010
47	12	29.5
82	74	78
15	39	27
69	56	62.5
34	21	27.5
53	88	70.5
28	45	36.5
91	63	77

3.2. calculateFinalGrade

3.2.1. **input1:** double unit1Grade

3.2.2. **input2:** double unit2Grade

3.2.3. **input3:** double supplementaryGrade

3.2.4. **output:** void (prints final grade)

unitOne	unitTwo	supplementaryGrade	expectedResult
7	7	56	23.333
1666	2354	5	1341.66

47	12	37	32
82	74	84	80
15	39	10	21.33
69	56	68	64.33
34	21	29	28
53	88	95	78.66
28	45	42	38.33
91	63	77	77

3.3. determinateTypeOfRegistration

3.3.1. **input1:** String registrationType

3.3.2. **output:** void (prints registration type message)

registrationType	expectedResult
Primera	El estudiante está registrado por primera vez.
2	Tipo de registro desconocido
1	Tipo de registro desconocido
Tercera	El estudiante está registrado por tercera vez
Pprimera	Tipo de registro desconocido
1era	Tipo de registro desconocido
Quinta	Tipo de registro desconocido
Tres	Tipo de registro desconocido
Seg2nda	Tipo de registro desconocido
Segunda	El estudiante está registrado por segunda vez