

## Homework

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### Military dining hall management system

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## TEST CASES

### 7.1. String mainMenu()

**Input1:** Keyboard input **Output:** String

	Keyboard input	Expected result
7.1.1	1	accountType
7.1.2	2	accountType
7.1.3	3	0: : : :exit: :
7.1.4	4	The option can't be lower than 1 or higher than 3.
7.1.5	-1	The option can't be lower than 1 or higher than 4.
7.1.6	Option 1	Invalid entry. Please type an entire number.
7.1.7	32	The option can't be lower than 1 or higher than 4.
7.1.8	Asdarf3	Invalid entry. Please type an entire number.
7.1.9	Exit	Invalid entry. Please type an entire number.
7.1.10	Create an account	Invalid entry. Please type an entire number.

### 10.1. String findAccount(String fileName, int idSearch, String email, String password)

**Input1:** idSearch **Input2:** email **Input3:** password **Input4:** Keyboard input **Output:** String

	fileName	idSearch	email	password	Expected result
10.1.1	commensals.json	1722779277	ismael@gmail.com	pepe	null
10.1.2	commensals.json	1635294817	pepe@gmail.com	pepe123	account.getId() + ":" + account.getName() + ":" + account.getEmail() + ":" + account.getPassword() + ":" + account.getGrade() + ":" + account.getType() + ":" + account.getBalance()
10.1.3	militaryChefs.json	1710936186	robet34@hotmail.com	pepe	account.getId() + ":" + account.getName() + ":" + account.getEmail() + ":" + account.getPassword() + ":" + account.getGrade() + ":" + account.getType() + ":" + account.getBalance()
10.1.4	militaryChefs.json	0718613264	edusegarra6@gmail.com	Dinky450	null
10.1.5	administrators.json	1722779279	robet34@hotmail.com	Dinky450	null
10.1.6	administrators.json	0702798257	dsegarra12@gmail.com	Dinky450	null
10.1.7	generalAdministrator.json	1526483681	psegarra70@gmail.com	P80	null
10.1.8	generalAdministrator.json	1526483610	Robet34@hotmail.com	P70	null
10.1.9	commensals.json	1632942581	ismael@gmail.com	pepe	null
10.1.10	administrators.json	1753597796	<a href="mailto:edusegarra6@gmail.com">edusegarra6@gmail.com</a>	pepe123	null

10.2. boolean findAccountById(String fileName, long idToCheck)

**Input1:** fileName **Input2:** idToCheck **Output:** String

	fileName	idToCheck	Expected result
10.2.1	commensals.json	1516141917	true
10.2.2	commensals.json	1722779277	false
10.2.3	militaryChefs.json	1710936186	true
10.2.4	militaryChefs.json	1719936186	false
10.2.5	administrators.json	1632942581	true
10.2.6	administrators.json	172	false
10.2.7	generalAdministrator.json	1526483601	true
10.2.8	generalAdministrator.json	-1	false
10.2.9	commensals.json	1635290428	true
10.2.10	administrators.json	1726440538	true

10.3. DateBook loadDateBook(long id)

**Input1:** id **Output:** dateBook

	id	Expected result
10.3.1	1722779277	dateBook
10.3.2	1635290428	dateBook
10.3.3	1752874568	dateBook
10.3.4	1516141917	dateBook
10.3.5	1936251847	dateBook
10.3.6	-1	null
10.3.7	16518	null
10.3.8	-9525615	null
10.3.9	315	null
10.3.10	1	null

10.4. Dish loadDishesByMonth(int month)

**Input1:** id **Output:** dateBook

	month	Expected result
10.4.1	1	dish
10.4.2	3	dish
10.4.3	6	dish
10.4.4	5	dish
10.4.5	12	dish
10.4.6	11	dish
10.4.7	-31	null
10.4.8	32	null
10.4.9	2	dish
10.4.10	13	null

10.5. boolean isValidEmailFormat(String email)

**Input1:** email **Output:** true or false

	email	Expected result
10.5.1	<a href="mailto:dawda@gmail.com">dawda@gmail.com</a>	true
10.5.2	<a href="mailto:sad@hotmail.com">sad@hotmail.com</a>	true
10.5.3	hello@realmail.com	false
10.5.4	Nasdjas.com	false
10.5.5	<a href="mailto:edu@yahoo.com">edu@yahoo.com</a>	true
10.5.6	<a href="mailto:elver@gamil.com">elver@gamil.com</a>	false
10.5.7	<a href="mailto:dinky@falsemail.com">dinky@falsemail.com</a>	false
10.5.8	Asdawda	false
10.5.9	2165	false
10.5.10	sada	false

10.6. boolean isUniqueEmail(String email, List<String> existingEmails)

**Input1:** email **Input2:** existingEmails **Output:** boolean

	email	existingEmails	Expected result
10.6.1		FileManager.getAllEmails()	true
10.6.2	<a href="mailto:marco@hotmail.com">marco@hotmail.com</a>	FileManager.getAllEmails()	false
10.6.3	<a href="mailto:dawda@gmail.com">dawda@gmail.com</a>	FileManager.getAllEmails()	true
10.6.4	<a href="mailto:alfonso@gmail.com">alfonso@gmail.com</a>	FileManager.getAllEmails()	false
10.6.5	<a href="mailto:psegarra70@gmail.com">psegarra70@gmail.com</a>	FileManager.getAllEmails()	false
10.6.6	<a href="mailto:sad@hotmail.com">sad@hotmail.com</a>	FileManager.getAllEmails()	true
10.6.7	carlospe0505@gmail.com	FileManager.getAllEmails()	false
10.6.8	<a href="mailto:edu@yahoo.com">edu@yahoo.com</a>	FileManager.getAllEmails()	true
10.6.9	<a href="mailto:edusegarra6@gmail.com">edusegarra6@gmail.com</a>	FileManager.getAllEmails()	false
10.6.10	<a href="mailto:hi@gmail.com">hi@gmail.com</a>	FileManager.getAllEmails()	true

9.1. int valideInt(int lowerOption, int higherOption)

**Input1:** lowerOption **Input2:** higherOption **Input3:** Keyboard input **Output:** int

	lowerOption	higherOption	Keyboard input	Expected result
9.1.1	1	5	4	4
9.1.2	1	4	5	The option can't be lower than 1 or higher than 4.
9.1.3	1	3	2	2
9.1.4	10	11	10	10
9.1.5	1	3	3	3
9.1.6	1	4	6	The option can't be lower than 1 or higher than 4.
9.1.7	1	9	100	The option can't be lower than 1 or higher than 9.
9.1.8	1	2	2	2
9.1.9	1	6	0	The option can't be lower than 1 or higher than 6.
9.1.10	1	8	-3	The option can't be lower than 1 or higher than 8.

9.2. int validateDay(int year, int month)

**Input1:** year **Input2:** month **Input3:** Keyboard input **Output:** int

	year	month	Keyboard input	Expected result
9.2.1	2024	12	32	Day must be between 1 and 31.
9.2.2	2025	6	30	30
9.2.3	2024	7	2	Day must be between 7 and 31.
9.2.4	2025	3	12	12
9.2.5	2025	1	-1	Day must be between 1 and 31.
9.2.6	2025	2	31	Day must be between 1 and 29.
9.2.7	2026	5	16	16
9.2.8	2026	9	20	20
9.2.9	2025	8	19	19
9.2.10	2026	10	-19	Day must be between 1 and 31.

9.3. boolean validateId(String idInput)

**Input1:** idInput **Output:** boolean

	idInput	Expected result
9.3.1	1722779277	true
9.3.2	172277	false
9.3.3	1359823213	false
9.3.4	0702798257	true
9.3.5	0702798259	false
9.3.6	sadsds	false
9.3.7	0503878274	true
9.3.8	Asdcfdsg145a	false
9.3.9	050387827	false
9.3.10	2503878274	false

9.4. String validateGradeAccount()

**Input1:** Keyboard input **Output:** String

	Keyboard input	Expected result
9.4.1	Army General	Army General
9.4.2	armygeneral	Invalid entry. Please enter a valid grade.
9.4.3	Corporal	Invalid entry. Please enter a valid grade.
9.4.4	2nd Sergeant	2nd Sergeant
9.4.5	1st Corporal	1st Corporal
9.4.6	sadsds	Invalid entry. Please enter a valid grade.
9.4.7	12345	Invalid entry. Please enter a valid grade.
9.4.8	Asdcfdsg145a	Invalid entry. Please enter a valid grade.
9.4.9	Public Servant	Invalid entry. Please enter a valid grade.
9.4.10	publicServant	publicServant

### 9.5. int validateMonth()

**Input1:** Keyboard input **Output:** int

	Keyboard input	Expected result
9.5.1	1	Month must be between 7 and 12.
9.5.2	-1	Month must be between 7 and 12.
9.5.3	7	7
9.5.4	8	8
9.5.5	12	12
9.5.6	Month	Invalid entry. Please enter a number between 1 and 12.
9.5.7	31	Month must be between 7 and 12.
9.5.8	9	9
9.5.9	10	10
9.5.10	11	11

### 9.6. boolean validBoolean()

**Input1:** Keyboard input **Output:** boolean

	Keyboard input	Expected result
9.6.1	True	Invalid entry. Please type true or false.
9.6.2	true	true
9.6.3	False	Invalid entry. Please type true or false.
9.6.4	false	false
9.6.5	1	Invalid entry. Please type true or false.
9.6.6	0	Invalid entry. Please type true or false.
9.6.7	Verdadero	Invalid entry. Please type true or false.
9.6.8	Falso	Invalid entry. Please type true or false.
9.6.9	si	Invalid entry. Please type true or false.
9.6.10	no	Invalid entry. Please type true or false.