## **Supply Tests**

Test Name	Description	Test Value(s)
testSupplyConstructorValidInput	The supply constructor should assign the given type and quantity when valid arguments / inputs are given. getType() and getQuantity() can be used to check the values	Water , 50
testSetTypeValidInput	setType should modify the type to the string provided. Tested with get type	"Water" used in constructor, "food" used in setter
testSetQuantityValidInput	setQuantity should modify the value of quantity to the int provided, tested with getQuantity	12 used in constructor, 18 used in setter
testSupplySetQuantityNegative	It should not be possible to have negative number of supplies (>0)	-10
testLocationSetNameIsValid	To check if setname(string) updates the location's name correctly.	New Relief Center
testLocationAddAndRemoveSupply	To ensure that supplies are being added or removed, correctly based on the location's supply list.	Add supply - Type - "Water" Quantity - "10"  Remove - Type - "Water" Quantity - "10"

## **Location Tests**

Test Name	Description	Test Value(s)
testLocationConstructorValidInp ut	The constructor Upon creation using the constructor name and address should be set to the provided corresponding strings	Name = "Vermont" Address="123 banana street"
testSetNameValidInput	setName() Upon being passed a string the setter should assign the string to name, tested using the getName()	"Stronghold" used in constructor "Dungeon" used in setter
testSetAddressValidInput	setAddress() Upon being passed a string the setter should assign said string to address, tested using the getAddress()	"123 mapleway" used in constructor "432 peanutbutter" used in setter
testSetOccupantsValidInput	setOccupants() Upon being passed an array of disasterVictim, should replace current array with array provided, tested using getOccupants()	Getter used [victim1,victim2]passed through setter Getter used again
testSetSuppliesValidInput	setSupplies() Upon being passed an array of supply, should replace current array with array provided, tested using getSupplies()	Getter used [supply1,supply2] passed through setter Getter used again
testAddAndRemoveOccupantsV alidINput	Upon being passed a disaster victim addOccupants() should be able to append an occupant to the array and removeOccupants() should be able to locate and remove the specified occupant	Set occupants[victim1,victim2] addOccupants(victim3) getOccupants() removeOccupants(victim3) getOccupants()
testAddAndRemoveSupplyValidI nput	Upon being passed a supply addSupply() should be able to append a supply to the array and removeSupply() should be able to locate and remove the specified supply	Set supplies[supply1,supply2] addSupply(supply3) getSupplies() removeSupply(supply3) getSupplies()
testUpdateLogValidInput	updateLog() Upon being passed a string for name and address should assign the	"Vermont", "123 mapleway" used in constructor "Dungeon", "432 peanutbutter"

respective strings to their values, tested using getName() and getAddress()	Used in updateLog
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## ReliefServices Test

Test Name	Description	Test Value(s)
testSetInquirerValidInput	setInquirer() should be passed an Inquirer and assign it to inquirer tested using getInquirer()	Inquirer1 in Setter getter()
testSetInquirerInvalidInput	setInquirer() should throw an illegal argument exception when anything but a inquirer is passed	"Banana" passed into setter
testSetMissingPersonValidInput	setMissingPerson() should be passed a disaster victim and update the missing person variable, tested using getMissingPerson()	disasterVictim1 in setter getter()
testSetMissingPersonInvalidInpu t	setMissingPerson() should throw an illegal argument exception when anything but a disasterVictim is passed	"Banana" passed into setter
testSetDateofInquiryValidInput	setDateofInquiry() should be passed a string which is then set to the value of date of inquiry. Tested using getDateOfInquiry()	September 4th 2023 passed to setter getter()
testSetInfoProvidedValidInput	setInfoProvided() should be passed a string and sets infoProvided equal to it.  Tested using getInfoProvided()	"Lost my sister in the afternoon, possibly seen with a man in" Passed into setter\ getter
testSetLastKnownLocationValidI nput	setLastKnownLocation() should be passed a location	Location1 passed to setter getter()

	and set last known location equal to it. Tested using getLastKnownLocation()	
testSetLastKnownLocationInvali dInput	setLastKnownLocation() should throw an illegal argument exception when anything but a location is passed	"Banana" passed into setter
testPrintLogDetails	printLogDetails() should neatly print all of the details in the relief service with easy readability	Call the function

# **Inquirer Test**

Test Name	Description	Test Value(s)
testConstructorValidInputs	Inquirer constructor should be passed 4 strings corresponding to first name, last name, phone number and info, tested using getFirstName(),getLastName(),getPhoneNumber() and getInfo()	"Jeff","Bezos","413-288-2341" ,"stuff" passed into constructor

#### **DisasterVictim Test**

Test Name	Description	Test Value(s)
testDisasterVictimContructorVali dInputs	The DisasterVictim constructor should have 2 strings which are firstName and ENTRY_DATE (cannot be changed) respectively. These were tested using getFirstName(), getEntryDate().	"Sebastian", "25-08-02"
testDisasterVictimContructorInva	The disasterVictim constructor	12,18.3 passed to constructor

lidInputs	should throw an illegalargument exception when either of its two arguments are not strings	
testSetFirstNameValidInput	setFirstName() takes a string which sets the FirstName. They were tested with getFirstName().	"Jeff"Passed to constructor "Joe" passed to setter
testSetFirstNameInvalidInput	setFirstName() should throw an illegalArgumentException when it is called using anything but a string	"Jeff"Passed to constructor 12 passed to setter
testSetLastNameValidInput	setLastName() takes a string which sets the lastName. They were tested with getLastName().	"Smith"
testSetLastNameInvalidInput	setLastName() should throw an illegalArgumentException when it is called using anything but a string	12 passed to setter
testSetDateOfBirthValidInput	setDateOfBirth() takes a string which sets the dateOfBirth string attribute. They were tested using getDateOfBirth().	"21-08-01"
testSetDateOfBirthInvalidInput	setDateofBirth() should throw an illegalArgumentException when it is called using anything but a string	210801 passed to setter
testSetGenderValidInput	setGender() takes a string which sets the gender string attribute. They were tested using getGender().	"female"
testSetGenderInvalidInput	setGender() should throw an illegalArgumentException when it is called using anything but a string	14406 passed to setter
testSetCommentsValidInput	setComments() takes a string which sets the comments string attribute. They were tested using getComments().	"This is a comment."
testSetCommentsInvalidInput	setComments() should throw an illegalArgumentException when it is called using anything but a string	132321 passed to setter
testSetMedicalRecordsValidInpu t	setMedicalRecords() takes an array of MedicalRecord object type and sets the	array of MedicalRecord objects, for example [record4, record192, record2]

	medicalRecords attribute. This is tested by getMedicalRecords().	
testSetMedicalRecordsInvalidIn put	setMedicalRecords() should throw an illegalArgumentsException when anything but an array of medical records is passed	"Banana" passed to setter
testSetPersonalBelongingsValidI nput	setPersonalBelongings() takes an array of Supply object type and sets the personalBelongings attributes. This is tested by getPersonalBelongings().	array of Supply objects, for example [supply74, supply123]
testSetPersonalBelongingsInvali dInput	setPersonalBelongings() should throw an illegalArgumentsException when anything but an array of supplies is passed	"Banana" passed to setter
testSetFamilyConnectionsValidI nput	setFamilyConnections() takes an array of FamilyRelation object type and sets the familyConnections attribute. This is tested by getFamilyConnections() which should return a FamilyRelation array.	array of FamilyRelation object(s), for example [1mother6, 9brother4] or [32sister1]
testSetFamilyConnectionsInvalid Input	setFamilyConnections() should throw an illegalArgumentsException when anything but an array of familyConnections is passed	"Banana" passed to setter
testGetAssignedSocialIDValidIn put	Public method getAssignedSocialID() should return an integer type, as it doesn't have its own setter, it cannot be changed.	checking if the assigned social ID is the same value as the getter
testAddSupplyValidInput	It should not be possible to use the addSupply(supply: Supply) method without using a Supply object type. It should add onto the array of personalBelongings.	a Supply object type, for example supply72
testAddSupplyInvalidInput	addSupply() should throw an illegalArgumentException when it is passed anything but a supply	"Banana" passed to addSupply()
testRemoveSupplyValidInput	It should not be possible to use the removeSupply(supply:	a Supply object type, for example
testSetFamilyConnectionsValidInput  testSetFamilyConnectionsInvalidInput  testGetAssignedSocialIDValidInput  testAddSupplyValidInput  testAddSupplyInvalidInput	illegalArgumentsException when anything but an array of supplies is passed  setFamilyConnections() takes an array of FamilyRelation object type and sets the familyConnections attribute. This is tested by getFamilyConnections() which should return a FamilyRelation array.  setFamilyConnections() should throw an illegalArgumentsException when anything but an array of familyConnections is passed  Public method getAssignedSocialID() should return an integer type, as it doesn't have its own setter, it cannot be changed.  It should not be possible to use the addSupply(supply: Supply) method without using a Supply object type. It should add onto the array of personalBelongings.  addSupply() should throw an illegalArgumentException when it is passed anything but a supply  It should not be possible to use	object(s), for example [1mother6, 9brother4] or [32sister1]  "Banana" passed to setter  checking if the assigned social ID is the same value as the getter  a Supply object type, for example supply72  "Banana" passed to addSupply  a Supply object type, for

	Supply) method without using a Supply object type as one of the parameters. This method should remove an element from the array of personalBelongings.	supply321
testRemoveSupplyinvalidInput	removeSupply() should throw an illegalArgumentException when it is passed anything but a supply	"Banana" passed to removeSupply()
testAddFamilyConnectionValidIn put	addFamilyConnection() is passed a family connection and adds it onto the end of the list of family connections. Tested using getFamilyConnections()	familyConnection1 passed to addFamilyConnection()
testAddFamilyConnectionInvalid Input	addFamilyConnection() should throw an illegalArgumentException when it is passed anything but a familyConnection	"Banana" passed to addFamilyConnection()
testRemoveFamilyConnectionVa lidInput	removeFamilyConnection() is passed a family connection and locates it and removes it from the list of family connections. Tested using getFamilyConnections() and add familyConnection	familyConnection1 passed to addFamilyConnection() getFamilyConnection() familyConnection1 passed to removeFamilyConnection() getFamilyConnection()
testRemoveFamilyConnectionIn validInput	removeFamilyConnection() should throw an illegalArgumentException when it is passed anything but a familyConnection	"Banana" passed to removeFamilyConnection()

## **MedicalRecord Test**

Test Name	Description	Test Value(s)
testMedicalRecordConstructorVa lidInput	MedicalRecord() should be passed a location and two strings and should correctly assign them to location, treatmentDetails and dateOfTreatment. Tested using getLocation(),getDateOfTreatment() and getTreatmentDetails()	Location1, "covid Vaccine", "September 28th 2021" passed to constructor

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testMedicalRecordConstructorIn validInput	Medical record should throw an illegalArgument exception when anything but a location is passed to its constructor for location and anything but but a string is passed to treatment details and date of treatment	"Banana",12.2,14 passed to constructor
testSetLocationValidInput	setLocation() should assign the location passed to it to the location variable, tested using getLocation	Location1 used in constructor Location2 passed to setter
testSetLocationInvalidInput	setLocation() should only work when it is passed a location, when passed anything else it should throw the illegalArgumentException	Location1 used in constructor "Banana" used in setter
testSetTreatmentDetailsValidINp ut	setTreatmentDetails() should assign the provided string to treatmentDetails, tested using getTreatmentDetails	"He was not treated" passed to constructor "He was treated" passed through setter
testSetTreatmentDetailsInvalidIN put	setTreatmentDetails() should not allow anything but a string to be passed and in the event of something else should throw an illegal argument excecption	"He was not treated" passed to constructor 14 passed to setter
testSetDateofTreatmentValidInp ut	setDateoftreatment() should be passed a string and assign it to the dateOfTreatment variable, tested using getDateOfTreatment()	"September 14th 1982" used in constructor "December 31st 2018" used in setter
testSetDateofTreatmentInvalidIn put	setDateOfTreatment() should only accept strings as arguments and should throw an illegalArgumentException when anything else is passed	"September 14th 1982" used in constructor 18 used in setter
testSetVictimValidInput	Victim is currently not a variable in the medicalRecord class and must be implemented. Once it is setVictim() is passed a disasterVictim and assigns it	disasterVictim1 passed to setter getter()

	to victim, tested using getVictim()	
testSetVictimInvalidInput	Once implemented, setVictim() should throw an illegalArgumentException when anything but a disasterVictim is passed	"Potato" passed to setter

# FamilyRelation Test

Test Name	Description	Test Value(s)
testFamilyRelationValidInput	familyRelation() should be passed a disasterVictim, a string and a second disasterVictim and assign them to personOne, relationshipTo and personTwo. Tested using getPersonOne(), getPersonTwo() and getRelationshipTo()	disasterVictim1,"mother",disa sterVictim2 passed to constructor
testSetPersonOneValidInput	setPersonOne() is passed a disaster victim and assigns it to personOne, tested using getPersonOne()	disasterVictim1 passed to constructor disasterVictim2 passed to setter
testSetPersonTwoValidInput	setPersonTwo() is passed a disaster victim and assigns it to personTwo, tested using getPersonTwo()	disasterVictim2 passed to constructor disasterVictim1 passed to setter
testSetRelationshipToValidInput	setRelationshipTo() is passed a string and assigns it to relationshipTo. Tested using getRelationshipTo()	"mother " used in constructor "Father" passed to setter