Monkey

-id: int
-name: String
-designation: String
-sex: String
-size: String
-weight: double
-age: int
-favFood: String
-location: String
-MonkeyList - HashMap

+setName()
+setDesignation()
+setSex()
+setSize()
+setWeight()
+setAge()
+setFavFood()
+setLocation()
+getId()

+getName()
+getDesignation()
+getLocation()
+getFavFood()
+getSize()
+getWeight()

Sanctuary

-name: String
-city: String
-zipCode: int

+setName()
+setCity()
+getName()
+getAddress()

Operations

-monkey- object

+getSpeciesList()
+getMonkeysBySpecies()
+getShoppingList()
+shiftMonkey()

Isolation

-isoHousing- ArrayList

+addMonkey()
+increaseHousing()
+removeMonkey()

Enclosure

-size - int
-encloHousing - ArrayList
-speciesType: String

+addMonkey()
+removeMonkey()
+getMonkeysList()

1..*

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Testing the methods of the Operations Class		
Testing	**Input**	**Expected Output**
Get Species List	getSpeciesList()	Drill - Isolation Drill - Enclosure Spider - Isolation
Get Monkeys of Specific Species	getMonkeysBySpecies(Drill)	Claw - Enclosure Emma - Isolation George - Isolation
No Monkey of a Species	getMonkeysBySpecies(Spider)	"We do not have any Monkey of type Spider"
Produce Shopping List	getShoppingList()	eggs - 1000 gms fruits - 750 gms insects -200 gms
Shift Monkey from Enclosure to Isolation	shiftMonkey(id: 12, location: Isolation)	Name: Claw Location: Isolation
Testing the methods of the Monkey Class		
Testing	**Input**	**Expected Output**
Onboard a monkey when no place available	shiftMonkey(id: 13, location: Isolation)	No place available in the Isolation. Request you to check at another facility
Get favorite food of the monkey	getFavFood(12)	Eggs
Get Size	getSize(12)	Large
Get Location of a Monkey with a ID	getLocation(12)	Enclosure
Set the sex	setSex(12, Male)	Name: Claw Sex: Male