

Monkey
+ Monkey(String, Species, Sex, double, double, int, Food):
- name: String - size: double - sex: Sex - age: int - species: Species - favFood: Food - weight: double
+ getName(): String + getSex(): Sex + compareTo(Monkey): int + toString(): String + getSpecies(): Species + getFavFood(): Food

<<enumeration>> Species
+ SAKI: + HOWLER: + GUEREZA: + TAMARIN: + SPIDER: + MANGABEY: + DRILL: + SQUIRREL:

<<enumeration>> Food
+ SEEDS: + TREE_SAP: + FRUITS: + NUTS: + INSECTS: + EGGS: + LEAVES:

<<enumeration>> Sex
+ FEMALE: + MALE:

Sanctuary
+ Sanctuary():
- isolations: ArrayList<Isolation> - enclosures: ArrayList<Enclosure>
- isolationsAllFull(): boolean + receiveMonkey(Monkey): void - monkeyInEnclosure(Monkey): boolean + listMonkeysInEnclosures(): String + listMonkeysInEnclosures(Species): String + moveMonkeyToIsolation(Monkey): boolean + moveMonkeyToEnclosure(Monkey): boolean - monkeyInIsolation(Monkey): boolean + nameListOfAllMonkeys(): String

<<interface>> Housing
+ remove(Monkey): void + accommodate(Monkey): void

Isolation
+ Isolation():
- occupant: Monkey
+ getOccupant(): Monkey + accommodate(Monkey): void + isFull(): boolean + remove(Monkey): void

Enclosure
+ Enclosure(Species):
- troop: ArrayList<Monkey> - speciesOfRoom: Species
+ accommodate(Monkey): void + remove(Monkey): void + getSpeciesOfRoom(): Species + getTroop(): ArrayList<Monkey> + listAllOccupants(): String

