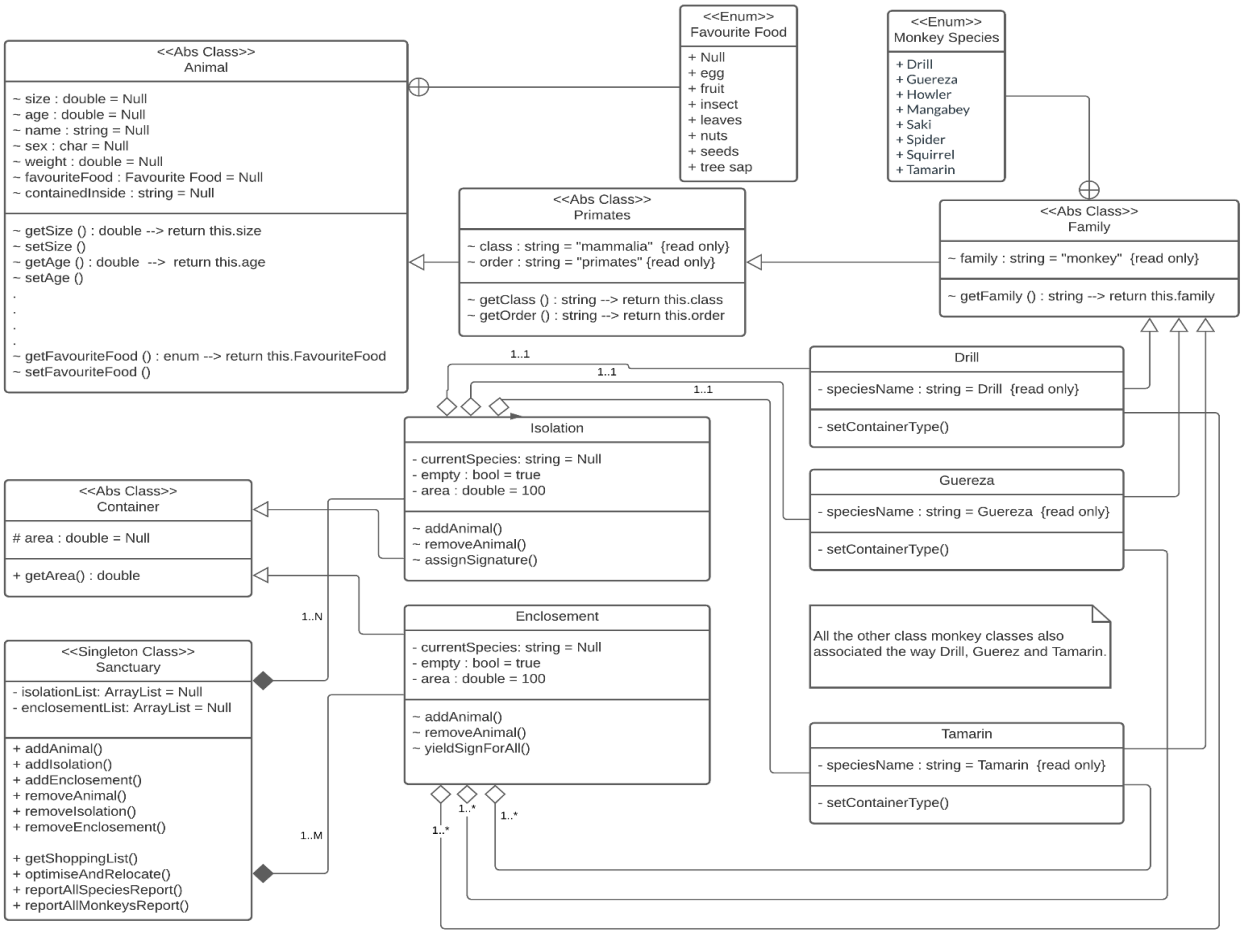
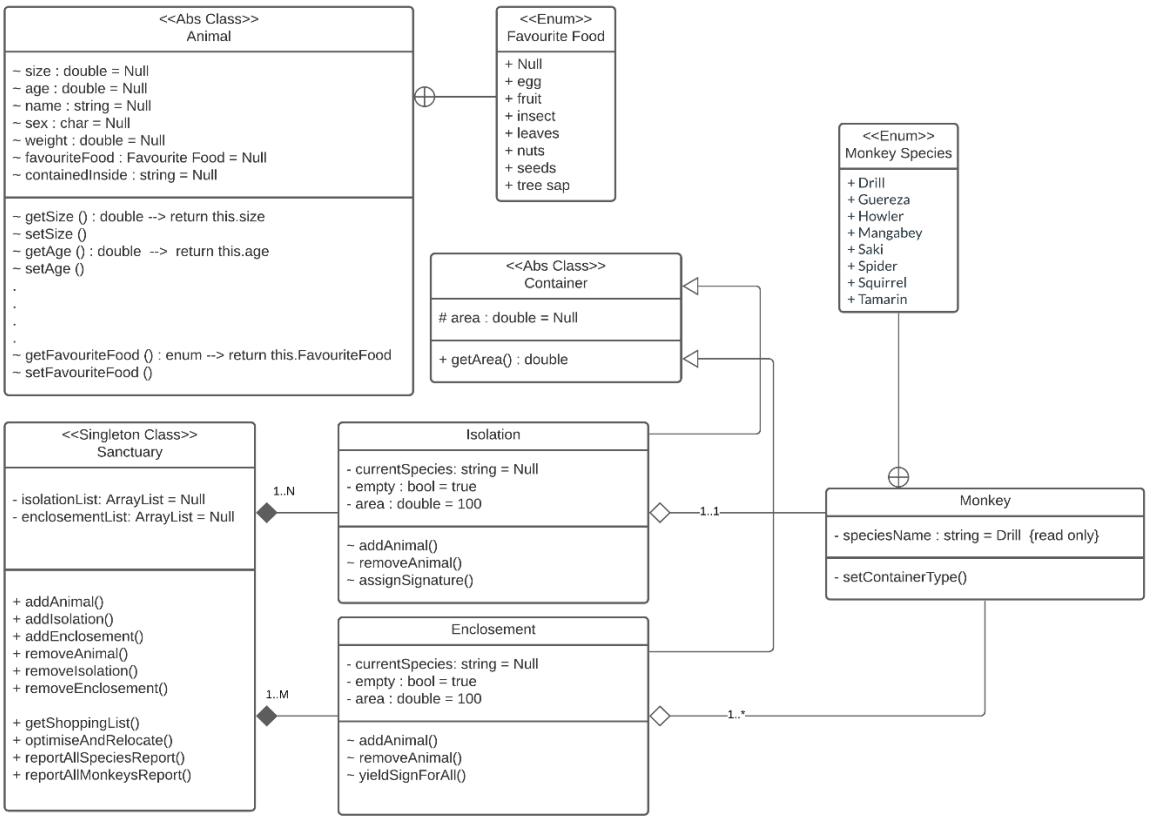
Version 1 UML



Version 2 UML



1. Create sanctuary object, telling it for how many Isolations and Enclosements it will need, otherwise they will be made 0 for initials.
    a. Test for if the class is yielding same object or not, to test singleton design.
    b. Test for if the class have right number of Isolations and Enclosements, that will be either M & N as per user input or 0.
2. Add a new animal of some species through sanctuary object, explicitly tell the name of the species or other details like sex and age otherwise it will go in assessment and a random species and details will be setup.
    a. Test whether this animal has been sent to isolation or not initially.
    b. Test whether an animal, if removed is being removed from Isolation/Enclosement or not.
3. Do space optimisation or say relocation so as to optimise the space resources a sanctuary has.
    a. Test by adding more and more same kind of animals and validate that at some moment it actually denies the acceptance of new monkey and the current holdings of the monkeys must be equal to the pre calculated current maximum holding capacity of the sanctuary.
4. List out all the animals and their signature.
    a. Test whether all the animals add so far have a NAME, SEX, AGE etc., whether or not given to the sanctuary explicitly, this ensure that assessment is being done in the ISOLATION.
5. Print the list of shopping.
    a. Test whether given shopping list complies that of given input or not.