# 5. (40 pts) UML Class Diagram (MICROSOFT WORD; Textual Analysis – TA then Copy&Paste&Rearrange to create the UML CLASS Diagram).

Pet: Name of class

Define a Class whose objects are pets. The Class

name: stores a string value

should have instance variables for the name, age, and weight.

weight: stores a double value

age: stores an int value

Generic constructor. All variables are set to 0 or empty string.

Include default Constructor, Constructor with 3 parameters, **mutator**

Returns the values of name, age, or weight;

Requires three accessor methods

Alters the values of name, age, or weight;

Requires three mutator methods

Custom constructor that accepts a string, an int, and a double

methods, and **accessor** methods. Include a **toString** method and an **equals** method.

**In addition please add a HOMEWORK2.5 Class** that contains only **main method.**

a. (10 pts) Draw the UML Class Diagram (**MICROSOFT WORD**):

ANSWER:

Any DIAGRAM that is NOT the result of CUT and PASTE

WILL BE IGNORED (YOU WILL GET ZERO POINTS)

|  |
| --- |
| Pet |
| - name  - age  - weight |
| + Pet()  + Pet(String n , int a , double w)  + setName(String n)  + setAge(int a)  + setWeight(double w)  + getName():String  + getAge():int  + getWeight():double  - equals(Pet p): bool  - toString(name , age , weight):String |