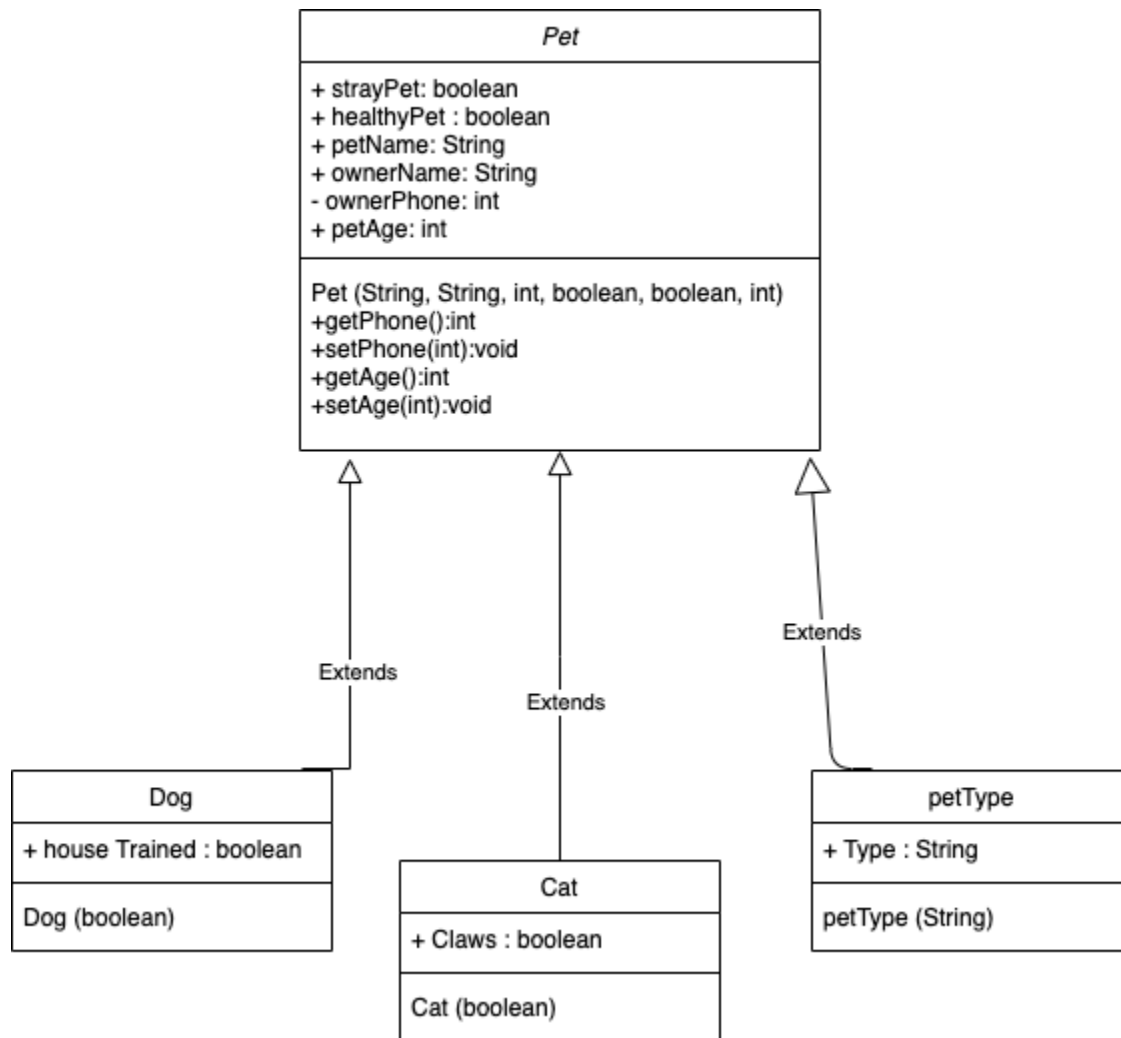
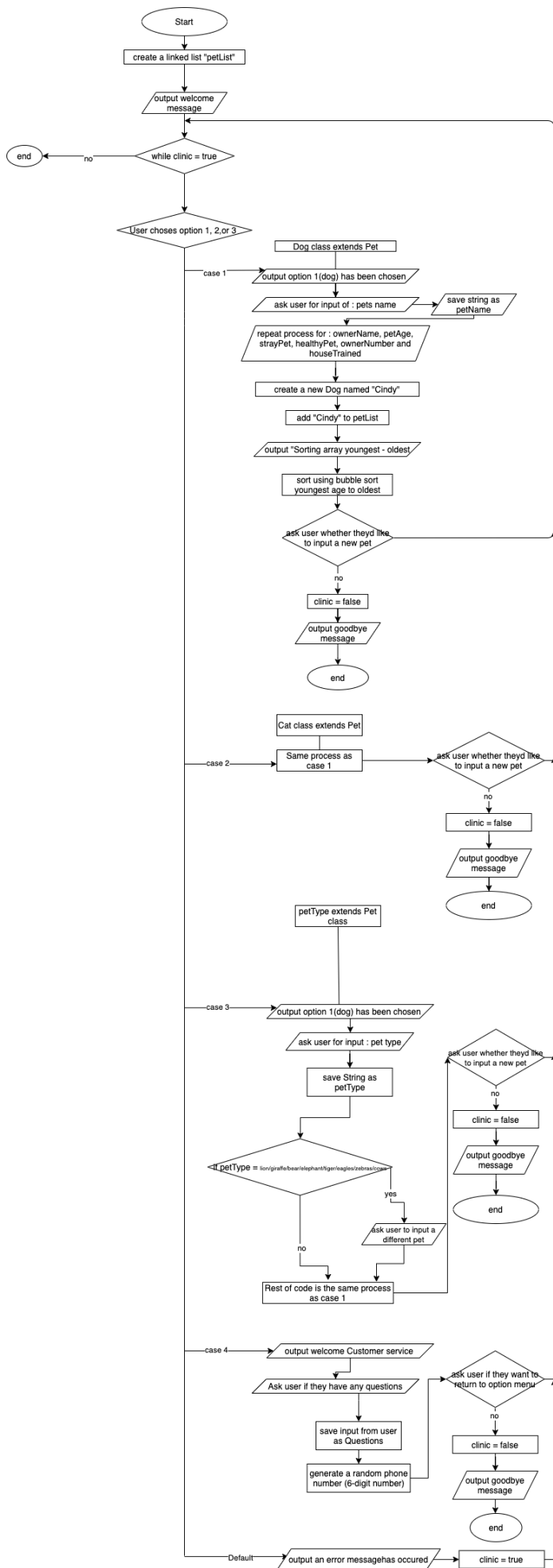


UML:



Flowchart:



Pseudocode

Screenshot 1:

```
Object[]arrayPettt = petList.toArray();//make pet list into an array
int listLength = arrayPettt.length; //list length is equal to the length of the arrayPet
Object temp;
for (int i = 0; i < listLength; i ++) {
    for (int j = 0; j < listLength - (i+1); j++) {
        if (((Pet) arrayPettt[j]).getAge() > ((Pet)arrayPettt[j+1]).getAge()){
            temp = arrayPettt [j];
            arrayPettt[j] = arrayPettt[j+1];
            arrayPettt[j+1] = temp;
        }
    }
}
System.out.println(Arrays.toString(arrayPettt)); // prints out the sorted pettt array
```

Object ARRAYPETTT = PETLIST

int LISTLENGTH = ARRAYPETTT.length

Object TEMP

loop int i from 0 to LISTLENGTH to i++)

 Loop int j from 0 to LISTLENGTH- (i + 1)

 if ARRAYPETTT [j].get Age() > ARRAYPETTT[j+1] get Age ()then

 TEMP = ARRAYPETTT[j]

 ARRAYPETTT[j] = ARRAYPETTT[j+1]

 ARRAYPETTT[j+1] = TEMP

 End if

End loop

End loop

OUTPUT ARRAYPETTT