Amarilda Celhaka

CMP SCI 2261

Project #4

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**UML Diagram**

Classes: Mammal (superclass)

Human extends Mammal

Dog extends Mammal

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| --- |
| Mammal |
| -name: String  -weight: int  -hunger: int  -sex: int |
| +Mammal()  +Mammal(name: String, weight: int, hunger: int,  sex:int)  +getName(): String  +setName(name: String) : void  +getWeight(): int  +setWeight(weight: int): void  +getHunger() : int  +setHunger( hunger: int): void  +getSex(): char  +setSex(sex : int) : void |

|  |
| --- |
| Human |
| -money: int  -dogfood: int  -weight: int  -loyalty: boolean  -humanSex: int  Dog: ArrayList<Dog> |
| +Human()  +Human(humanName: String, dogName:  String, dogNum: int)  +getMoney(): int  +setMoney(money: int): void  +getDogFood(): int  +setdogFood(dogfood: int): void  +walkTheDog(): void  +batheTheDog(): void  +feedtheDog(): void  +buyFood(): void  +passTheTime(): void  +isDogLoyal(): Boolean  +toString(): String |

|  |
| --- |
| Dog |
| -fun: int  -cleanliness: int  -dogWeight: int  -dogHunger: int  -dogSex: int  -loyalty: int |
| +Dog()  +Dog(name: String)  +getLoyalty(): int  +getFun(): int  +setFun(fun: int): void  +getCleanliness(): int  +setCleanliness(cleanliness: int): void  +toString(): String |