

Quiz 4

Name: _____

Consider the following class diagram in the appendix, then answer the following questions.

1. **[4 marks]** Complete the `Cat` class. The `makeNoise()` method returns "meow meow".

```
package quiz.farm;

import quiz.family.Pet;

public class Cat implements Animal, Pet {

    @Override
    public String makeNoise() {
        return "meow meow";
    }
}
```

2. [2 marks] Indicate in the following directory structure where you will place the `Cat.java` and `Test.java` source files in the `source` folder. If needed, you may draw additional sub-directories.

```
quiz\  
|  
|- generated\  
|   |- <your generated classes here>  
|  
|- libraries\  
|   |- quiz.jar  
|  
|- compile.bat  
|- run.bat  
|- source\  
|   |- quiz  
|   |   |- test  
|   |       |- Test.java  
  
|  
|   |- farm  
|       |- Cat.java
```

3. [2 marks] `Test` contains the `main()` method to test the above classes. Write the minimal **one-liner** `compile.bat` such that classes are compiled to folder `generated`.

```
javac -d generated -cp libraries/*;source source/quiz/test/Test.java
```

4. [2 marks] Write a minimal **one-liner** `run.bat` to run the `main` method in `Test`.

```
java -cp libraries/*;generated quiz.test.Test
```

All classes (except Cat.java & Test.java) are compiled into quiz.jar

