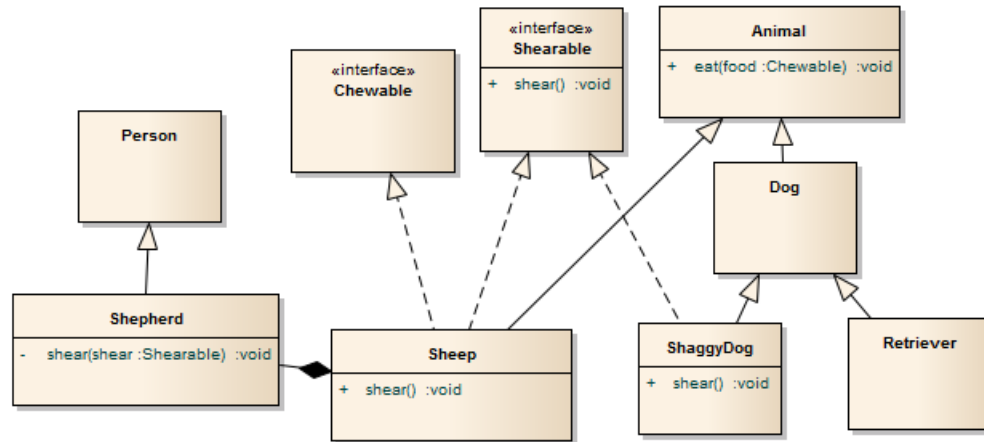


SE1021 Week 4 HW Name:

Please ask questions if a problem is not clear on this and future quizzes.



- (1 pt.) The relationship between Shepherd and Person is
 - Inheritance
 - Aggregation
 - Composition
 - Implementation
- (1 pt.) The relationship between Animal and Retriever is
 - Inheritance
 - Aggregation
 - Composition
 - Implementation
- (1 pt.) The relationship between Shepherd and Sheep is
 - Inheritance
 - Aggregation
 - Composition
 - Implementation
- (1 pt.) The relationship between Shearable and ShaggyDog is
 - Inheritance
 - Aggregation
 - Composition
 - Implementation
- The difference between aggregation and composition is ...
- To change the relationship between Shepherd and Sheep to aggregation, you would...

7. (3 pts.) Fill in the **type** of the **parameter** (the type expected by the method) and the **type** of the **argument** (the type given). Assume all examples compile except for type casting errors. Write "ref" for object references. Assume
 Shepherd shepherd = new Shepherd();

	Type of parameter (expected type)	Type of argument (given type)	Compiles?
Dog dog = new Retriever(); dog.eat(shepherd);	Chewable ref	Shepherd ref	no
Dog dog = new Dog(); Sheep sheep = new Sheep(); dog.eat(sheep);			
Dog dog = new Dog(); Dog dog2 = new Dog(); dog.eat(dog2);			
Animal animal = new Dog(); shepherd.shear(animal);			
Shearable shearMe = new Sheep(); shepherd.shear(shearMe);			
ShaggyDog shaggyDog = new ShaggyDog(); shepherd.shear(shaggyDog);			
Dog shaggyDog = new ShaggyDog(); shepherd.shear(shaggyDog);			
Animal shaggyDog = new ShaggyDog(); shepherd.shear(shaggyDog);			

8. Get your example JFrame application to compile with two components. You should have at least one component respond to a user's action. This is just completing an in-class example, no more than that. Then print your source code and include it with your homework. (Please do not email it to me.)