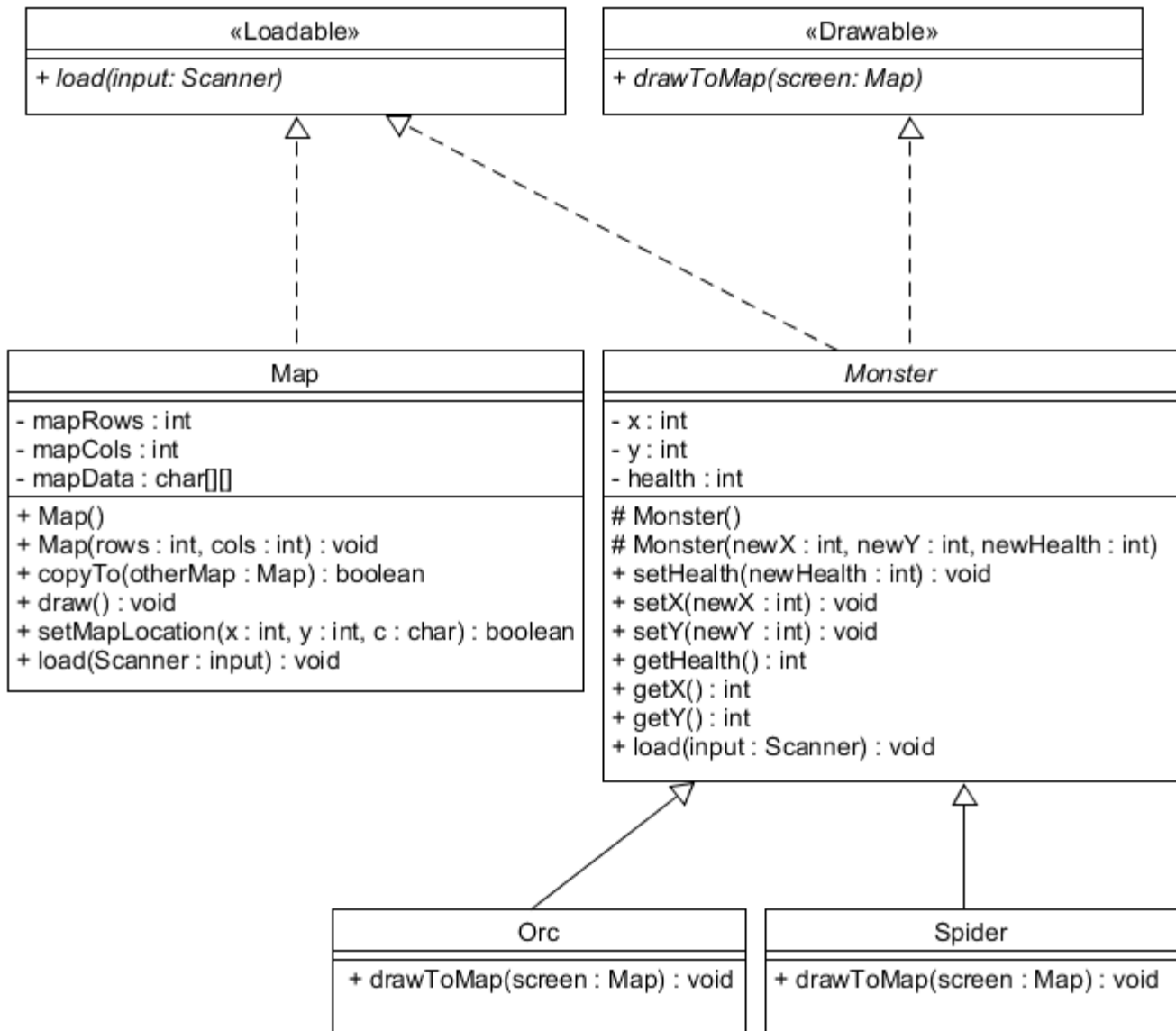1. Draw the UML diagrams for the following:
2. Draw the UML diagrams for the following:

3. Given an **abstract class** BakedGood, is the following code legal? If not, why not?
   a. No, you cannot instantiate an abstract class
4. Given an **abstract class** BakedGood and a class Muffin that extends BakedGood, is the following code legal? If not, why not?
   a. Yes you can because Muffin is not an abstract class.
5. Given an **interface** Edible and a class Muffin that implements Edible, is the following code legal? If not, why not?
   a. Yes you can because you can instantiate an interface with a class.
6. A class can implement more than one Java interface
   a. Yes a class can implement more than one interface.
7. A Java interface can have private methods.
   a. False
8. All data fields defined in a Java interface are public, static, and final.
   a. True