CS1302 Exam01 Review

PLAS:

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To be used in supplement with:

$ git clone git@github.com:xanaviles/cs1302-exam01Review.git

Navigating Unix

1. Change into cs1302-exam01Review (cd)
2. Look around the directory and get comfortable (ls)
3. Create the structures src/cs1302/practice and src/cs1302/interface in one command and without changing directories (mkdir and pipes)
4. Move the java files within the directory to src/cs1302/practice (mv)
5. Create *cs1302.practice.Moveable*, by copying the Animal.java (cp)
6. [bonus] Change into the src/cs1302/practice directory, how would you change back into cs1302-exam01Review in one command? (..)
- End Directory Result:

cs1302-exam01Review
- bin
    - (.class files, aka compiled code)
- src
    - cs1302
        - practice
            - Moveable.java
            - Mammal.java
            - Turtle. java
            - Cow.java
            - Goat.java
            - Bear.java
            - Animal.java

- Commands not mentioned but should be reviewed:
    grep, echo, cat, chmod (permissions, octal, ...), using pipes, which, stat, pwd,

Dependencies & UML
(Parent, Children, Interfaces, and Abstract Classes)

1. Delete Animal.java

2. What are the dependencies of these classes?

File Name	Type of Class	Depends On
Moveable.java	Interface	
Mammal.java	Abstract	Moveable
Turtle.java	Concrete	Moveable
Cow.java	Concrete	Moveable, Mammal
Goat.java	Concrete	Moveable, Mammal
Bear.java	Concrete	Moveable, Mammal

3. Draw the UML for these relationships:

   diagram can be found here

   *remember you implement Interfaces and extend Abstract classes

4. Compile these classes in the correct order. What errors did you get? Why? and How would you fix them? (overriding methods, implementing abstract methods)

5.

Exception Handling

Javadoc

For this example we will only be writing Javadoc comments for Bear.java

1. Write a javadoc comment for all of the methods in Bear.

    Tags:

    Comments:

    a. /** This is a Javadoc comment */

    b. /**
        * This is a Javadoc comment
        */

Nodes