

UML F20

Description:

Create a UML diagram for the items in the **pets** package in the **PetsUML** application.

Purpose:

Develop skills in creating UML diagrams and analyzing the structure of object-oriented code.

Requirements:

- Included with this challenge is a zip file of the **PetsUML** application (**PetstoreUML.zip**). In the **PetsUML** application is a package called **pets**. Create a UML diagram of the items in **pets** which includes the following classes and interfaces: Bird.java, Cat.java, Dog.java, GermanShepherd.java, Gender.java, LicensedPet.java, Pet.java, PetFeatures.java, RegisterPet.java, and VaccinatedPet.java.
- **PetstoreUML.java** is NOT in the pets package and is not to be included in the UML diagram.
- The UML diagram is to be created with this tool: <http://draw.io>
- At the top of the diagram put your: name, pawprint, and date
- You should NOT use a different tool and the UML diagram MAY NOT be hand drawn with pencil/pen and paper.
- You are to submit the link to the draw.io output file after you select “Publish” with the default values selected from the “File” menu item.
- You are to use the following naming scheme if any files are submitted, which you will have for your screenshots: <Pawprint>PetstoreUML<extension>
- The Pawprint is to begin with a capital letter and the remaining letters are to be lower case. The extension is to match the format of the file being submitted. If the Pawprint is **Abcxyz9** and the image file format is a **png**, then the file name is to be **Abcxyz9PetstoreUML.png**
 - You can put numbers to differentiate between screenshots like **Abcxyz9PetstoreUML1.png** or **Abcxyz9PetstoreUML2.png**, etc.
- You are to follow the UML specification information provided in Performance Support section for this challenge on Canvas. In that section you will find the **UML.pdf** I created that summarizes the rules. You can also use the “All the UML you need to know” By Paul Gestwicki link provided.
- Note that a slightly modified version of UML.pdf will be provided to you for the midterm and final exams so you should use it to become familiar with the format of the document and the information it contains, although do not rely on it too heavily otherwise it may slow you down on the exam and you may not be able to finish, so try to remember as much as possible.
- « and » are to be used where necessary. Use the « and » characters and **not two greater than or less than signs** which look like this << or >>.
- When you are finished drawing your UML diagram from draw.io, make sure everything is done correctly and then “Publish” the UML as a link and submit the challenge on Canvas.

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Things to submit on Canvas:

- The UML “Published” link with default values after you publish your UML from draw.io.
- Submit screenshots of your UML diagram in the browser after finished with the system clock. The system clock must contain the date and time to be valid. The more screenshots the better.