

9 A veterinary surgery wants to create a class for individual pets. Some of the attributes required in the class are listed in the table.

Attribute	Data type	Description
PetID	STRING	unique ID assigned at registration
PetType	STRING	type of pet assigned at registration
OwnerTelephone	STRING	telephone number of owner assigned at registration
DateRegistered	DATE	date of registration

(a) State **one** reason why the attributes would be declared as `PRIVATE`.

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 [1]

(b) Complete the class diagram for `Pet`, to include:

- an attribute and data type for the name of the pet
- an attribute and data type for the name of the owner
- a method to create a `Pet` object and set attributes at the time of registration
- a method to assign a pet ID
- a method to assign the date of registration
- a method to return the pet name
- a method to return the owner's telephone number.

Pet	
PetID	: STRING
PetType	: STRING
OwnerTelephone	: STRING
DateRegistered	: DATE
.....	:
.....	:
.....
.....
.....
.....