ENSF 608: Assignment 1

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Date:

# I] Design Expectation:

First step in creating the EER diagram is to look at the requirements of the mini world. After reading information provided by YYC Pet Resort, it can be deduced that there are only 3 entities SERVICES (Super-class), Pet (Super-class), and CUSTOMERS. The Customer will book a reservation for their pet and the customer will decide if he/she wants a service for their pet/pets, SERVICES and PET are related by their subclasses.

Entities are related via relationships, one of the many relationships in the EER diagram is BOOKS. BOOKS relates CUSTOMER and PET entities. A CUSTOMER can BOOK one or many PET, BOOKS has the Booking\_info attribute that is used by each booking of PET entity. BOOKS have Reward\_points attribute as well, if the CUSTOMER has this option then he/she will earn points for each booking of PET

Also, some attribute can be derived from the entity’s attributes, one attribute that can be derived is the Pet\_date\_of\_birth. This attribute can be derived by subtracting current date from the already existing attribute Age of PET.

# II] EER Diagram

