CS2102_2021_S1_Team25

Preliminary Constraints:

1) Users are identified by their email. Address, name and password must be recorded
2) Users can be a PetOwner, a CareTaker or a PCSAdmin. A user can both be a PetOwner as well as a CareTaker at once.
3) Each PetOwner can own more than 1 Pet.
4) Each PetOwner may own a Pet but each pet must be owned by 1 pet owner.
5) Each Pet is identified by its owner's email and name of Pet. Special requirements must be recorded.
6) Each Pet must have 1 pet type. Their pet type can be identified by the category type. Its base daily price must be recorded.
7) Each Caretaker is either a PartTimer or FullTimer.
8) Each Caretaker has a record of the number of pets under their care and their average rating.
9) Each part timer can advertise their Availability
10) Availability is an identity dependent weak entity set with the PartTimer as the owning entity.
11) Date and time of Availability is recorded.
12) Each FullTimer can apply for Leaves which is an identity dependent weak entity set with the FullTimer as the owning entity.
13) Each Leave will have the start date, end date and reason recorded.
14) Each Pet gets taken care by a CareTaker, with ratings, review and transport agreement stated.
15) Each Bid will belong to one CareTaker.
16) Each Bid is identifiable by the composite key of owner email, caretaker email, pet name, price and pickup datetime. Dropoff date and time will also be recorded.
17) Each Bid is either a SuccessfulBid or a PendingBid.
18) Every SuccessfulBid will turn into a job offer for the CareTaker.