

## Constraints

- ✓ **PCS Admin** are identified by their accountId. Their name, email and password must also be recorded.
- ✓ **Users** are identified by their accountId. Their name, address, email, and password must also be recorded.
- ✓ Every user must be a **Pet Owner** or **Caretaker**, or both.
- ✓ **Pet Owners** must have at least one Pet and recorded preferred payment method. Their credit card details may also be stored.
- ✓ **Pets** are identified by their petId. Their name and category must also be recorded. Their specialRequirements may also be recorded.
- ✓ **Pet Owners** can bid for a particular **Caretaker** on available dates for a certain number of days. Preferred pet transfer method must also be recorded.
- ✓ **Caretakers** can choose to accept a bid
- ✓ Every **Transaction** will be identified by the transactionId. The total cost, date time and the payment method must be recorded.
- ✓ **Pet Owners** can post ratings and reviews for a specific **Transaction**.
- ✓ Each **Caretaker** must be either **full-time** or **part-time**.
- ✓ **Caretakers** must have a daily price for every **pet**.
  - **Caretakers** cannot take care of their own **pets** (if they have a **Pet Owner** account).
  - **Caretakers** should only take care of **pets** that they can care for.
  - **Part-time Caretakers** can specify their availability for current and next year.
  - **Full-time Caretakers** must be available to work for a minimum of 2 times 150 consecutive days per year.
  - **Full-time Caretakers** can take leave except when they have one or more pets under their care.
  - A **Full-time Caretaker** must not take care of more than 5 pets in one period.
  - A **Part-time Caretaker** must not take care of more than 2 pets in one period, unless they have a good rating, then they can have up to 5.
- ? Bid can be automatically selected based on criteria.
- ? **Caretaker** will receive \$3000 per month for up to 60 pet-days. For excess pet-days, they receive 80% of the price.
- ? **PCS** will take 25% of part-time Caretaker price.

## Legend

- ✓ Added to ER diagram
- Can't be shown in ER diagram
- ? Must it be part of constraints?