

These constraints include, but not limited to:

1. Each **User** must have a user ID, account and password
2. PCS Administrator has an account and password
3. A **User** should be either a **Pet Owner** or a **Care Taker**, or both
4. Each **Pet** must have a pet ID, and belongs to one category that is identified by the category name
5. Each **Care Taker** should be either a full-time or a part-time employee
6. Each **Care Taker** should minimally state the days they are available, the kind of pets they can take care and their daily price for each kind of **Pet**
7. A **Care Taker** should not take care of **Pet** they cannot care for
8. A **Care Taker** may take care of more than one **Pet** at any given time
9. Both the **Pet Owner** and **Care Taker** should agree on how to transfer the **Pet**, which can only be one of the following three:
 - a. **Pet Owner** deliver
 - b. **Care Taker** pick up
 - c. Transfer through the physical building of **PCS administrator**
1. **Full-time Care Taker** must work a minimum of 2 times 150 consecutive days a year
2. **Full-time Care Takers** cannot be on leave if taking care of at least 1 **Pet**
3. **Care Taker** can only take care of at most 5 **Pet** at any time regardless of rating
4. **Care Taker** can only provide availability for the current year and the next
5. **Part-time Care Taker** can only take care of at most 2 **Pet** unless he has a rating of at least 4
6. A **Pet Owner** can only bid at least the base daily price set by the **PCS administrator** for any **Full-time Care Taker**
7. A **Full-time Care Taker** will receive a salary of \$3000 per month for the first 60 pet-days (number of pets taken care of for how many days). They will receive 80% of their price from any excess pet-day
8. A **Part-time Care Taker** will take only 75% of their price as payment
9. The rating of **Feedback** is an integer of no less than 1 and no more than 5
10. **Care Taker's** rating is a floating point number between 1 and 5.
11. **Transaction** payment method can only be credit card or cash

ER primary keys: All primary keys are UUIDs, no serial types were involved in the creation of this ER diagram.

Note:

We have an ID attribute for the majority of the entities. The ID doesn't need to be a serial type, it could be a UUID as well. These IDs will act as the primary key of the table to uniquely identify a tuple.