Monthly Adoption Report

Constrain is alphabet orders

A single adoption application can only be matched to a single animal

Task decoposition

* Three look-up at adoption, surrender and animal
* All three read-only action
* three schemas: adoption, surrender and animal
* all 3 enabled by user login
* all 3 have similar frequency and table need monthly frequency
* consistency is not critical
* all 3 must be done, mother task is needed
* should be decomposed to 3 different sub-tasks
  + animal, surrender and adoptions

abstract code

* find the adoption info for this month
* find the surrender info for this month
* find the animal info according to adoption and surrender
* group by species, breed and count total
  + order by time and alphabetical order
  + combine breed for mixed animal

Abstract code

Volunteer Lookup

Constrains:

order by last name ascending and first name ascending.

Task decoposition

* only two look up to users and volunteer table is needed
* read only action
* two schema, users and volunteer
* all 2 enabled by user login
* volunteer frequency might be lower than user table, depends on how many volunteer vs employees
* consistency is not critical
* could be decomposed to 2 sub-tasks
  + find users by first and last name and email
  + find phone number from volunteer table

Abstract code

* find all available first name matching the search item (jon means jonson, jonstone etc.)
* find users by first and last name and email
* find phone number from volunteer table

Vaccine Reminder Report

Constrain:

1. The system should not allow you to enter a vaccine that is not yet due for an animal or that they have already been given.
2. Animal breeds combined to one
3. Vaccination could be updated by dba
4. Sort the data in the ascending order of the vaccination due date (most recent date to latest date) and by pet ID ascending.

Task decoposition

* 3 tables: user, vaccination, animal
* All 3 read-only options
* all 3 enabled by user login
* frequency are similar, consistency is not important
* Vaccine enabled by employee only when surrendered
* all 3 must be done, mother task is needed
* should be decomposed to 3 different sub-tasks
  + animal, surrender and vaccination

Abstract code

* User expiration date to find all vaccine that are expiring
* Find animals by vaccine activity id
* Find person who did the vaccine