Database Construction for Administration of an Animal Shelter Organization

Project Team 1
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Database Goals

- Organize and update data related to current and past animals housed by the animal shelter
- Matching potential adopters to animals
- Matching potential foster homes to animals
- Will be used by shelter staff

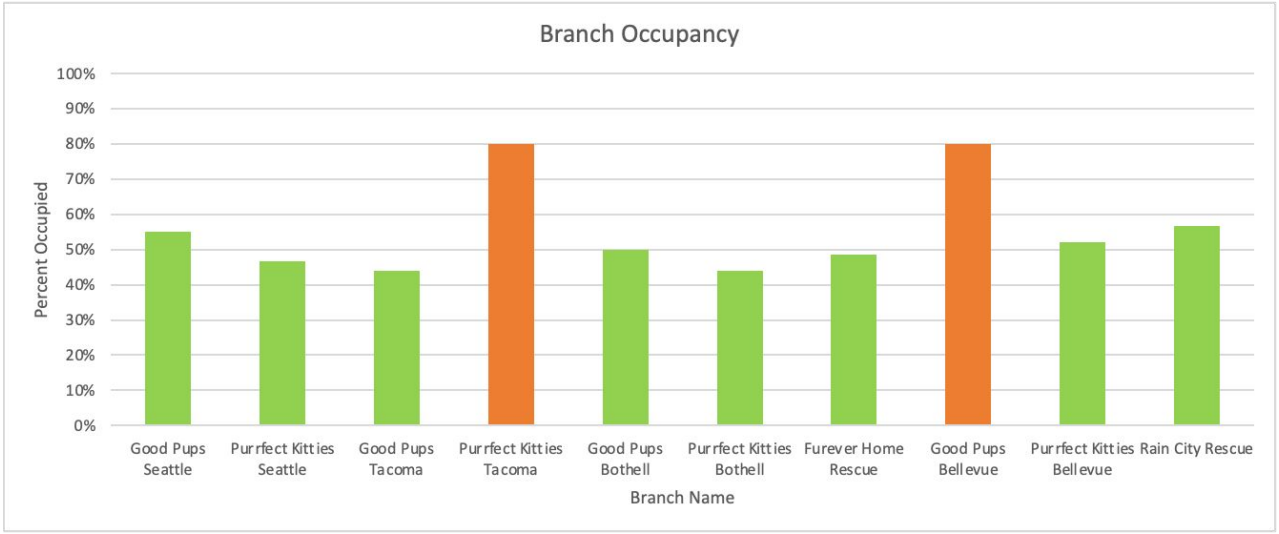
What Business Problems are Addressed?

- Matching adopters to animals
- Matching foster homes to animals
- Maintain data on: animals, foster homes, adoption candidates, staff, volunteers, and animal medication
- Track status for: shelter capacity, animal adoption/care, foster home capacity, candidate adopting process, volunteership, and animal medical needs
- Report on: capacity (shelter & foster home), resident animal demographics, trends in time to adoption, time spent in foster home, and candidate adopter registration
- Report on: re-surrender of previously adopted animals
- Report on: volunteer allocation

Reports

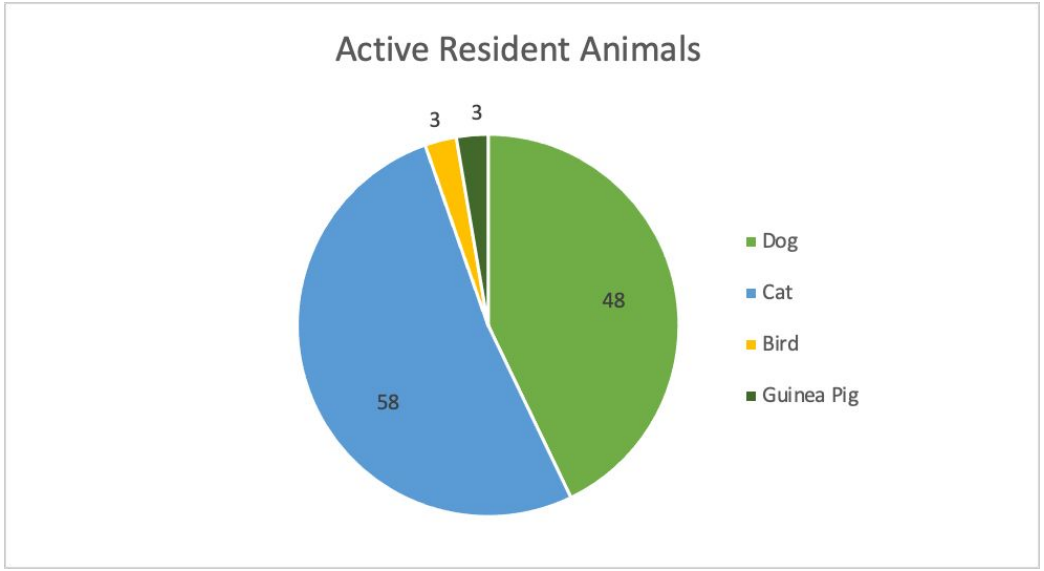
Branch Occupancy

Goal: Construct a view that enables administration to monitor comparative occupancy across shelter branches in WA state. The max occupancy limit is set per branch as a parameter of the branch's size. The current occupancy is computed taking a count of distinct ResidentAnimalIDs where the AdoptionStatus field status is "Needs Adoption", grouped by the branch ID at which the animal is being housed.



Resident Animal Species Composition

Goal: Visualize the comparative counts of active resident animals broken down by species. Data is taken from the *ResidentAnimals* table, grouping the counts of adoptable residents by species across branches.



Volunteer Allocation

Goal: Evaluate the breakdown of volunteers' cities of residence (left) and the branches total volunteer enrollment (right). The data to generate these was extracted from the *Volunteer* table - where counts were grouped by the *VolunteerCity* field (left) and *BranchID* (right), which was then joined to the *Branch* table.