

Phase 2 Updated EER | CS 6400 – Spring 2020 | Team 001

Modifications based on Phase 1 feedback:

- Add missing entity type, **DayWork**. **DayWork** is comprised of WorkDt and HoursWorked. WorkDt becomes a partial key. Add an identifying 1-N relationship between Volunteer and DayWork.
- VolPhoneNum is not an identifier.
- Update **Species** → **Animal** relation and make mandatory on Animal.
- Remove “VaccinationID” from Vaccination Entity Type. Make AdministerDt a partial key. Update relationship between **VaccineType** and **Vaccination** and make VaccineType → Vaccination mandatory on Vaccination.
- Update **Animal** → **Breed** relation and make mandatory on Animal
- Update **Animal** → **Employee** relation and make mandatory on Animal
- Update **Vaccination** → **User** relation and make mandatory on Vaccination
- Update **Breed** → **Species** and make mandatory on Breed
- Update **VaccineType** → **Species** and make mandatory on **VaccineType**. Update relation to M:N and name **VaccReq**. Required is added as a property type.
- Remove connection between **AddAdoption** and **Employee**
- Remove ApproveApplication relationship between AdminUser and Application. Moved Status property type to the **Application** Entity relation
- Change name of SurrenderByAnimalControl to LocalControl
- Add **Adopter** Entity type with Email as the key. **Adopter** has a 1:N relationship, with **Application**. Move Address, PhoneNumber, Applicant first and last name to the **Adopter** Entity.
- There is a 1:1 relation called **Adoption** between **Application** and **Animal**. **Adoption** has AdoptionDt and AdoptionFee as property types.
- Remove AddApplication relationship between Employee, Volunteer and Application.
- Remove VaccAddedBy property type of AddVaccination relationship.
- Remove AddedBy property type of AddAnimal relationship.
- Changed AnimalID to PetID. Made SurrenderDt and Name regular attributes of **Animal**.
- Changed AppID to AppNum. Made AppDt and Email regular attributes of **Application**.

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