PDX Wildlife – Basic Requirements

* **Inputs**
  + **Use cases** for which data will be collected. Below are a few of the use cases that were discussed with Meghan during an initial scoping call.
    - Lab Tests
    - Cage Changes
    - Breeding Events
    - Behavioral Data
  + **Specific data** that should be collected for each use case, including required (yes/no)
    - Lab Tests – ID, Date, Time, Lab Name, Lab Value, Interpretation, etc.
    - Cage Changes – ID, Date, Time, Cage #, Cage Location, Facility, etc.
    - Breeding Events – Animal 1 ID, Animal 2 ID, Date, Time, Facility, Outcome, etc.
    - Behavioral Data – ID, Date, Time, Facility, Behavior, etc.
  + **Collection method** for each use case
    - Lab Tests – standardized form? Manual input via mobile app?
    - Cage Changes – standardized form? Manual input via mobile app?
    - Breeding Events – standardized form? Manual input via mobile app?
    - Behavioral Data – standardized form? Manual input via mobile app?
    - Historical Data – standardized form
* **Outputs**
  + **Database queries**
    - Reports made from collected data, for downstream analysis
    - Simple graphs made from collected data
* **Security/Interface**
  + **Login/authentication**
    - Inputs
    - Outputs
  + **Secure server (Production)**
    - PDX Wildlife will need a *secure server* set up for their Production data.
    - PDX Wildlife will need to clarify any encryption/security requirements for data stored in Production environment. Different vendors/agencies may have different requirements – i.e., special password or access requirements, 128-bit encryption, proprietary portals, etc.