

1. Samples can only be requested if there are at least 5 samples of that species in the archive. So, there must be at least 5 samples related to a single species for any requests for samples of that species to be approved.
2. Enthusiasts must provide an email and a full address, but a phone number is not required. So, the enthusiasts email and all address fields cannot be null.
3. All dates must be current or past. So, when a request is made or updated, the request date must be the current date or earlier.
4. Coordinates must exist within the geographic coordinate system. So the north-south coordinate must be between -90 and 90 and the east-west coordinate must be between -180 and 180.
5. All requests must remain in the database in perpetuity. So, regardless of enthusiast or sample deletions, requests cannot be deleted and must remain uniquely identifiable. Requests also cannot be deleted individually.
6. The taxon each species has must be a genus. This means that the related taxon's supertaxon must not be null.
7. Every taxon has a supertaxon, except for the phylum arthropoda. Every entomological species falls under the phylum arthropoda, so there is no need to see any further up the taxon tree. However, every other taxon must have a supertaxon since it must lead to arthropoda.
8. Each sample must be in the inventory to be loaned out. So, for a request to be made for a sample, that sample must be in the inventory.
9. Each sample must be in the inventory to be loaned out. So, for a request to be fulfilled for a sample, that sample must be in inventory.
10. To maintain the integrity of the data stored by the archive, only archive employees will be able to add, edit, or delete data across the database. Others accessing the database will be able to insert data regarding themselves and their requests and will be able to update and delete data regarding themselves.