====!!!Sample Upload Process Notes!!!!======

Problems I am encountering with Sample Upload:

(In no particular order)

1. EVERYTHING in validations is caps-sensitive. This makes validation waaay too picky. I couldn’t have finished an upload process without back-end error messages.
   1. Solution: Regex, or expanding what’s acceptable during validation. We do have to think, however, how this could affect what goes in the database or how hard it would be to find something afterward.
   2. Will need to test what’s caps-sensitive where.
      1. In theory, MySQL is case-insensitve. However, the queries pulled from the database for the purposes of validation are case sensitive (IE You cannot have lower case letter as the first letter of genus, etc, even though you can have them in MySQL workbench). All documentation online seems to say this shouldn’t be the case.
   3. UPDATE SOLUTION: I have changed the validation lists, and ‘oceans’ will become a table during the Great Database Update of Monday.
2. Colors in the validation part are off. Not all errors are highlighting (although it is not limited only to the first row as I originally thought)
   1. UPDATE: It looks like it will only highlight two at a time. Which means that it is looping through the array of data fine, but not looping through the coloring process more than twice. Very Strange.
      1. Also, it is either stopping, or only highlighting, the two LAST values that it goes through that are wrong. (The array loop is counting down, (i--) not up. This is fine, but something to keep in mind with troubleshooting.
   2. UPDATE: VALIDATION IS FIXED (I broke down the subarrays into their own arrays and then used .each to iterate through them).
3. We got rid of setting the values for location stored data, but didn’t remove it from the insert query.
   1. **EDIT:** This actually means that we didn’t ever finish setting up the back end for countries. Doing that now. **AND DONE.**
4. There’s not enough values in the insert query currently (after correcting for 3)
   1. **EDIT**: Fixed! Everything is working.
5. Acknowledgements in samples are all NULL/not connecting to ack table (there is no ack table. Does this not seem un-fully-normalized to anyone but me?)
   1. **UPDATE: This will be fixed in the GREAT DATABASE UPDATE OF MONDAY.**
6. It’s yet untested how nonrequired fields will flow when they are empty.
   1. UPDATE: It’s a hack, but I’ve got it figured out in the db to log empty values. This way people can hypothetically find ones that do not have an entry, either. So either in the db or in the validations lists, empty values are acceptable, thus fixing the problem.
7. The country list in the database and the country list in the excel sheet are different.
   1. I am worried the one in the DB is not complete.
   2. UPDATE: I have updated the template list on the Excel Sheet. After comparing the list to the one on Wikipedia, ours has more entries and seems neater. Still need to prune to make sure
8. Conditional Formatting may not be working on Country? (Upload Sheet)
   1. UPDATE: It doesn’t really need to, but it would be nice. Checking the countries validity now happens through the DB, like genus and spp (and oceans, after Monday)
9. The Taxonomy table is also messed up and needs to be fixed. **(!!!)**
   1. **UPDATE: This will be part of the Great DB update on Monday!!**
   2. **UPDATE: COMPLETE! (THANKS LIZ!)**
10. Do we need to update the search results to have the country collected nearby thing pop up as criteria you can immediately see?
    1. By this I mean does it need to be ‘first level’ metadata?
11. Not quite sure what is up with lat/long stuff yet (conversions? Entries?)
12. **Update**: samples are posting to the database, BUT region is still totally effed. I’m not even sure why we are tracking this in a separate table if we are not searching for it, except to fulfill normalization/future attempts. Will come back to this.
    1. **UPDATE**: The answer to this will be implelented in the Great DB Update of Monday!!
13. ‘State: undefined’ keeps popping up in samples (in the secondary metadata, after you click plus on a sample)
    1. What was this supposed to refer to? A regional state? State of the sample? It’s not coming from the db. Will have to look into this.
14. Something may be going wrong in the live site version?
    1. Edit: **Fixed.** I was deploying to the wrong environment (the php 4 one, not the the php 5 one. Classic)
15. Country vs Region is fixed everywhere, but the Region table is still being wildly off base/ code to insert it is not checking for other ones- or is running as a batch somehow. Will have to look into this. Is country collected a required value?
    1. (This is pretty much the same as number 12, good going, Heather!)

======!!!!Collections Page notes!!!!!=======

1. The collection is taking a long time to load. This was not happening before the merge. $request is not defined error. Some closing ) may be missing somewhere. Second priority as it does load.
   1. **EDIT: NOT A PROBLEM** This is not a problem on anywhere except my dinky localhost. Also was slowing down because of that undefined Request variable. Defined it, all good.
2. Collections table is loading very small- check this out if it persists.
   1. **EDIT: NOPE, not a problem. Just because I had the console open.**

=====!!!Request Samples flow notes!!!!=====

1. We need some kind of alert pop-up, or something, to give a sense that requests have been properly sent to the requests samples page. Also, put a link or redirect to that page?
   1. UPDATE: I think I will design a modal. On my list of TTD.
2. Need to set the excel sheet values for set samples to the correct format (The one that shows up in the email)
3. Some of the information in the Excel sheet does not resolve when it is sent.
4. Sample SQL is effed- could be related to her misusing SELECT DISTINCT, but may be other things, too.
   1. **EDIT: FIXED Queries**
5. Not sure why duplicate entries are in the database in the first place, but now we have controlled for them. (May be part of testing). (They are not duplicate in Samples table, only in requests (and possibly uploads? Looks like the code may be running twice somehow. The select distincts took care of it, even on deletion, but I may have to look into this later).

====!!!!General Reminders!!!!!=====

1. Need to proofread and disable pagination on tables (some already done).
   1. UPDATE: DONE (Unless anyone sees that I missed one!)