Group 88: https://edstem.org/us/courses/28987/discussion/2047647?answer=4730310

* *Does the UI utilize a SELECT for every table in the schema?* In other words, data from each table in the schema should be displayed on the UI. *Does the UI utilize a SELECT for every table in the schema?* In other words, data from each table in the schema should be displayed on the UI. Note: it is generally not acceptable for just a single query to join all tables and displays them.
  + I can only see their index page, which does have a table in it and does have the CRUD operations on it. I think the step in the class readings with he chmod will fix this permission issue. Or you may go the easy route and directly edit the permission of your public folder to be able to at least “read what is on each file, for the UI.
* *Does at least one SELECT utilize a search/filter with a dynamically populated list of properties?*
  + I cannot see if there is potentially a search filter on any of the pages to populate the specifics. But I recommend adding this step to at least the DML so that we can see the intent of this feature. This feature would be beneficial in most of the pages, per the schema.
* *Does the UI implement an INSERT for every table in the schema?* In other words, there should be UI input fields that correspond to each table and attribute in that table.
  + The UI does implement an insert on the index page and the DML shows intent to use inserts on the other tables as well. The UI of the index page shows that they know how to implement/place it, so assuming they are there in the other pages once they are able to be seen after the permissions issue is resolved.
* *Does each INSERT also add the corresponding FK attributes, including at least one M:M relationship?* In other words if there is a M:M relationship between Orders and Products, INSERTing a new Order (e.g. orderID, customerID, date, total), should also INSERT row(s) in the intersection table, e.g. OrderDetails (orderID, productID, qty, price and line\_total).
  + Per the DML, yes the insert functions show intent to add the corresponding FK attributes. For the DDL to list the ON DELETE, or ON UPDATE clauses would help with future planning and how things are implemented as well as the reviewers understanding of page intents. Like if a property is purchased, a client is updated as well as the seller (just an example).
* *Is there at least one DELETE and does at least one DELETE remove things from a M:M relationship?* In other words, if an order is deleted from the Orders table, it should also delete the corresponding rows from the OrderDetails table, BUT it should not delete any Products or Customers.
  + Yes the, luckily, the delete function is apparent in the index page, but as described above, ON DELETE shown in the DDL, would definitely help your reviewers see the intent on functionality.
* *Is there at least one UPDATE for any one entity?* In other words, in the case of Products, can productName, listPrice, qtyOnHand, e.g. be updated for a single ProductID record?
  + Yes, This group did implement at least one update as visible on the index page. According to the DML, only one is implemented there as well, I feel your project would highly benefit from having more of the ability to update other tables and entities on top of just the “Agent” information. The Update client option is the one seen on the index page, but looks like the DML also has the intent for updating the agent as well.
* *Is at least one relationship NULLable?* In other words, there should be at least one optional relationship, e.g. having an Employee might be optional for any Order. Thus it should be feasible to edit an Order and change the value of Employee to be empty.
  + It looks like a couple of relationships are NULLible, per the index page. Like info in ClosingDetails, and some FKs in Properties. I can foresee some clients only wanting to be contacted via phone OR email. So those pieces could possibly be NULL, if the project group would like it that way.
* *Do you have any other suggestions for the team to help with their HTML UI? For example using AS aliases to replace obscure column names such as fname with First Name.*
  + I do not have any more suggestions other than the previously mentioned stuff. Good luck with applying the fix to enable UI permissions and adding the ON DELETE, On CASCADE, portions, along with potentially adjusting the NULLible relationships.

Group 15: https://edstem.org/us/courses/28987/discussion/2043910?answer=4731068

* *Does at least one SELECT utilize a search/filter with a dynamically populated list of properties?*
  + Yes. There are multiple instances of SELECT used throughout this project UI. The search/filter is on the zookeepers page and SELECTs used in Animals, and Species. The Search/filter could have been applied in multiple instances as well, which is one my suggestions if you guys are given more time.
* *Does the UI implement an INSERT for every table in the schema?* In other words, there should be UI input fields that correspond to each table and attribute in that table.
  + Insert functions look to be on at least five out if the 6 table pages, but I think the user can make sense of not needing one on the intersection table.
* *Does each INSERT also add the corresponding FK attributes, including at least one M:M relationship?* In other words if there is a M:M relationship between Orders and Products, INSERTing a new Order (e.g. orderID, customerID, date, total), should also INSERT row(s) in the intersection table, e.g. OrderDetails (orderID, productID, qty, price and line\_total).
  + Each insert function does integrate the use of the given FK attributes, and it also visible in the schema as well as the DML.
* *Is there at least one DELETE and does at least one DELETE remove things from a M:M relationship?* In other words, if an order is deleted from the Orders table, it should also delete the corresponding rows from the OrderDetails table, BUT it should not delete any Products or Customers.
  + Yes, there are five instances of the delete function. The only input I’d have here is to place ON DELETE and CASCADE clauses into your DDL, to show the reviewer what is supposed to happen in these cases to the FKs involved, etc… Good work!
* *Is there at least one UPDATE for any one entity?* In other words, in the case of Products, can productName, listPrice, qtyOnHand, e.g. be updated for a single ProductID record?
  + Yes, there are two visible updates for entities. Both are in locations that make sense, per the description of where this projects direction is heading, there is always room to add more, but I feel that would be excessive (just thinking out loud).
* *Is at least one relationship NULLable?* In other words, there should be at least one optional relationship, e.g. having an Employee might be optional for any Order. Thus it should be feasible to edit an Order and change the value of Employee to be empty.
  + Yes, It looks like species doesn’t necessary need a diet correlated to it. Otherwise looks like other relationships are pretty necessary, i.e. zookeeper to feedings. They could add more interlocking relations, but that is not a deal-breaker.
* *Do you have any other suggestions for the team to help with their HTML UI? For example using AS aliases to replace obscure column names such as fname with First Name.*
  + No other input from me. Good luck with the future of this project, I am excited and interested in seeing where you go with it.