Further Development Statement

IUS Nursing Skills Checklist Website

**Further Development:**

Future work by category:

Signup/Login User Interface:

* Reset password functionality and appropriate UI verbiage

Student User Interface:

* A “Toggle Edit” button/checkbox when a students check items are populated. The page defaults to editable. So this would shut off editing for the current session. This may be useful if the user wishes to leave the page open but does not want data altered. (The Admin user interface below is quite different).
* A single page of all checklist items (currently it only filters by category)
* An export to excel spreadsheet conversion button (there is open source software that converts Firebase JSON to xlxs format)

Admin User Interface:

* A “Toggle Edit” button/checkbox when a students check items are populated. A robust and detailed warning message in bold border, bold letters, and red font should be displayed beside this button because it is dangerous! The page defaults to having the checkboxes greyed out and not editable; this functionality was purposeful and was so admins didn’t unintentionally edit student data because data can be manipulated from the admin user interface.
* Fix a defect where categories are populated each time student data is populated asynchronously.
  + To test this:
    - Enter a students name in the admin page
    - Enter another students username in the admin page
    - The categories populate twice but function for the current user (scroll right on the browser)
    - The categories should not populate more than the first time
* Provide more in depth queries of student data for Admins. Currently the database only changes a Boolean value when a student checks an item. It would be ideal for the database to also provide a “getdate()” (sorry I still think in SQL) for the current time of the click. Then the admins would be able to query what date an item for a specific user was checked. This is a larger task than it seems because it is multi-dimensional changes to the database as well as the controllers/UI.
* Like the students, admins should have an export to excel spreadsheet conversion button (there is open source software that converts Firebase JSON to xlxs format)

Firebase database:

* As stated in the ‘Admin User Interface’ section above, we need a way to provide more details for querying. There may need to be more things added to the collections in the database.