SONAR

Use Case Specification: Import Data from Excel

Version <1.0>

Revision History

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Use Case Specification: Import Data from Excel

# Use-Case Name

Import Data from Excel

## Brief Description

If the need should ever arise a need for data to be imported into the database, the system administrator will have the ability to do so. This allows the system to have more robust functionality, while limiting this privilege to a group that also has the ability to restore the system from a backup should anything go wrong. These excel files (in csv format) can be used to populate the database with information it previously did not contain in a quick, efficient manner.

# Flow of Events

## Basic Flow

The Administrator will be successfully logged into the system at this point, and will have just arrived at their system home page. From here they will select the Database Maintenance tab from the main menu offered to the System Administrator.

Once the Admin has been redirected to the Database Maintenance page, they will see another menu that will allow them to perform a number of functions, these will include importing a CSV (type of Excel file) to the database, export a backup of the database, and edit the database directly.

The Admin will select the Import option on the menu of the Database Management page. This will open a dialog with a dropdown box that asks the Admin what type of data (lower division student, upper division student, alumni, etc.) they wish to import. When that selection has been made, an example CSV file will be shown. This will be how the columns in the CSV file must be ordered.

Once the file that will be uploaded is properly formatted, the Admin will click the Upload button and search for the file they wish to upload. Once it has been selected, they will click the Open button and finish the upload. When the upload is complete, they will be taken back to the Database Management page with a pop-up with the message: “Import Complete”.

## Alternative Flows

### Wrong File type

If the Admin selects the wrong file type, which would be an excel file that has not been saved as a CSV, the system will reject it, and ask the Admin to please select a different file with the CSV file type. Another dialog box will open and allow the user to select another file with the correct file type.

# Special Requirements

## Connectivity

Must be connected to School of Nursing network or connected through virtual Lab.

# Pre-conditions

## User Type

The use of the system must be and Advisor

## File Type

The Admin must upload a CSV file

## File Format

The file to be uploaded must have its columns named and arranged as specified by the dialog box displayed by the system when the data type is selected.

# Post-conditions

## Successful Database Update

The Admin will have successfully uploaded a CSV file to the system. The new data (whether it be lower division students, upper division students, alumni information, etc.) will now be searchable by the other users for generating reports, or simply looking up a particular individual’s information.

# Extension Points

## Invalid Input

Non-CSV file type (such as other Excel file types, word documents, or PowerPoint files) file is uploaded, causing an error message to display that asks for a CSV file type.