Breakpoint Management Version 1.0 Requirements

# Overview

Over all the goal is to take the Breakpoint management functionality currently in HANK and move it to a web application. So the bulk of the requirements will be taken from the HANK implementation.

# Functional Requirements

1. Breakpoint Grouping
   1. Pick a Breakpoint Standard from the standards accepted by IHMA (2812)
      * Display Breakpoint Standards
      * Allow for selection of an individual Breakpoint Standard
   2. Pick a Breakpoint Group from a list of created Breakpoint Groups (2813)
      * Display Breakpoint Groups
      * Pick an individual Breakpoint Group
   3. Pick an individual project from a list of created projects (2814)
      * Display created projects
      * Pick an individual project from a list of created projects
   4. Display organisms both included in a Breakpoint Group and not in a Group (2815)
      * Display two lists of organisms. One that shows the organisms included in the selected Breakpoint Group and one that show the organisms not included in the selected Breakpoint Group
   5. Editing Breakpoint Groups so organisms not in a selected Breakpoint Group to be included in a selected Breakpoint Group and visa versa (2816)
      * Change the organism composition of a Breakpoint Group
2. Set Breakpoints
   1. Pick a Breakpoint Standard from the standards accepted by IHMA (2812)
      * Display Breakpoint Standards
      * Allow for selection of an individual Breakpoint Standard
   2. Pick a Breakpoint Group from a list of created Breakpoint Groups (2813)
      * Display Breakpoint Groups
      * Pick an individual Breakpoint Group
   3. Pick an individual project from a list of created projects (2814)
      * Display created projects
      * Pick an individual project from a list of created projects
   4. Display breakpoints by testing two testing types, MIC and Disc Diffusion (2826)
      * Display breakpoints by two testing types (MIC and Disc Diffusion) based on selected Breakpoint Standard, Breakpoint Group, and Project. If not selected Project 0 is default.
   5. Add a new breakpoint (2827)
      * Add a new breakpoint using the selected Standard, Group, and Project. Close the application and the new breakpoint should be visible.
   6. Delete breakpoint (2828)
      * Delete a breakpoint. Close the application and bring it back and the breakpoint should be removed from the display
   7. A user should be able to change the values of a given breakpoint (2829)
      * Change the values for a breakpoint and see that the changed values persist.
3. Project Report
   1. Provide a listing of all the projects that have Breakpoints assigned to them and report the BPYear field from the tbl\_Breakpoint table that is associated with the project (2745)
      * Display should show all breakpoints
      * Display should be grouped by breakpoint standard name, breakpoint group name, and project
4. Breakpoint Group Definition Report
   1. Generate a page that displays the Standards and Breakpoint Groups (2738)
      * Display should show all Breakpoint Standard Names
      * Display should show all Breakpoint Group Names
      * Display should show all Organisms
      * Display should be grouped by Breakpoint Standard Names, Breakpoint Group Names, and Organisms

# Signatures

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