EECS 1012 Project: Phase 1

Group Members: François Buchanan  (Section A), Vishan Kumar (Section A), Jacob Nehme (Section A), Henry Ye Cao (Section A)

Group Name: CodeX

Project Idea: Country Database

Description: The application will display information on various countries sorted into individual panels on the page. Using buttons and a numerical input, users can retrieve different information about the various countries and have it displayed on screen.

Functional Requirements:

1. The user can view panels on screen assigned to one country each.
2. Buttons to display different information on the panels: (a) total number of country leaders (b) information on the current incumbent (c) year of founding (d) resource imports (e) resource exports
3. The panels can be sorted through buttons: (a) earlier to later (year) (b) later to earlier (year) (c) alphabetically (resources, incumbent) (d) larger to smaller (total number of leaders) (e) smaller to larger (total number of leaders).
4. The user can hide panels using a button.
5. The user can input a number. This output will correspond to the historical head of state assigned to that number for each country.
6. The user can input a year and be given the head of state for that country.
7. The user can input two different numbers. This output will take the first number (leader#1), and add the second number (leader#2), with the result being the number of years between the two heads of state, if it is a possible combination.
8. The user can input a number. This output will add that many election cycles to the incumbent date and display the corresponding year result on each country panel.
9. The user can select a panel/country and see relevant resource export locations on corresponding panels.
10. The user can select a panel/country and see relevant resource import locations on corresponding panels.
11. The user can select a panel/country and input a year. The output will display the head of state for each country for that year.

Github repository: <https://github.com/SportWizard/CodeX.git>