Team: 0011 1001 0000 0001

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Creators: Prachiti Garge, Yifan Yao, Kevin Dong, Amanda Cheng

Project 3: Test plan

Unit Testing: Rspec was used for testing the core functionality in output.rb. Module Searching and function output_html, get_org_list.rb, get_org_data.rb, gui.rb were unit tested using systematic test plans provided in the spec folder. See README for more details.

Integration testing: Since the display functionalities are necessary to view the results of the integration tests, and the sections without the basic can just be tested under systems testing, systems testing has been done directly.

Systems testing:

I) Alpha

Things that we can vary:

1. Basic & Advanced search
   a. Campus
   b. Directory
   c. Search
   d. Categories
   e. Text type
   f. Reg win
   g. Show inactive orgs
2. Different number of attributes
3. Output to different file formats
4. Gui functionality input

Test #	Testing conditions	Results
1	Run main, Wooster, All directory, 3 attributes (Status, Facebook Group Page, Constitution), output to html	**19 results found. OK.**
2	Run main, Mansfield, 1 category (Special Interest), reg_win in spring, show_inactive_orgs, 2 attributes (Secondary types, Membership type), output to console	**0 results found. OK.**
3	Run main, All, W, 1 attribute (Charge dues), output to html	**25 results found. OK.**
4	Run main, Newark, 2 categories (Ethnic/cultural, Community Service/Service Learning), 'name', output to html	**8 results found, 6 recommendations. OK.**

5	Run main, Columbus, search 'k3[g3', 2 categories (Undergraduate, Religious/Spiritual), text type 'purpose', all attributes, output to console	**0 results found. OK.**
6	Run main, Columbus, search "jew", 3 attributes (Campus. Primary Type, Secondary Types), output to html	**19 results found. OK.**
7	Run main, Wooster, 2 categories(Undergrad, sports), 1 attribute (Secondary types), output to textfile	**19 results found. OK.**
8	Run main, Columbus, 2 categories (Special Interest, Academic), reg_win in autumn, show_inactive_orgs, 2 attributes (Secondary types, Membership type), output to console	`OK.`
9	Run gui, Columbus, search 'finance', Find orgs, Save to JSON	**14 results found and saved, OK**
10	Run gui, Marion, search 'finance', Save to JSON only	**0 result found and saved, OK**
11	Run gui, All, search 'finance', Find orgs only	**15 results found, OK**
12	Run gui, All, search 'finance', Save to JSON only	**15 results found and saved, OK**
13	Run gui, All, search 'Animal Welfare Club', Find orgs, Save to JSON	**4 results found and saved, OK**
14	Run gui, Columbus, search 'Animal Welfare Club', Find orgs, Save to JSON	**3 results found and saved, OK**
15	Run gui, Lima, search 'Animal Welfare Club', Find orgs, Save to JSON	**1 result found and saved, OK**
16	Run gui, All, search 'Animal Welfare Club', Find orgs, Save to JSON	**4 results found and saved, OK**
17	Run gui, Newark, search 'Animal Welfare Club', Find orgs, Save to JSON	**0 result found and saved, OK**