**The Condorcet Experiment User Guide**

This is a User’s guide for viewing the Condorcet Experiment on Google App Engine.

Link to test the application is:

<http://finalostproject.appspot.com/>

(Note: The project concentrates more on user friendliness and ease of traversing from one page to another rather than looks of pages)

1. **The Project covers all Required Features**:

* The system should handle [multiple users](https://developers.google.com/appengine/docs/python/users/) and associate categories/items with a logged in user.
* Users should be able to create and edit a category with items via the web.  Anyone can vote on any category, but only the creator of a category can edit it.
* Users should be able to view any category via the web, not just the two fixed ones in assignment 4.
* Users should be able to export and import a category with XML.  Example format is [here](http://cs.nyu.edu/courses/fall12/CSCI-GA.3033-004/asgn/category.xml).  Exporting is possible for any user's category.  Importing will create a new category (you must make sure an existing category with the same name does not already exist -- or, you may support this by ensuring that the author can only replace their own categories).

1. **The Project covers following four Advanced Features as well:**

* Allow a user to change the items in a category.  When this happens, the results for that item must be removed.  Also, imports must be supported that replace a previous import (meaning items that do not change are preserved, items that are removed have results deleted).
* Support user comments about an item.  A user should not be able to comment on an item more than once.  The comments should be shown in the results view by each item.
* Search capability to find items and categories that match supplied keywords.  For example a search for "Apple" could match "Apple MacBook" in the category "Laptops" as well as "Apple" in the category "Fruits".
* Support for expiration time in categories, after which point voting is no longer possible but viewing results is.  Expiration times should be able to be set in the category editor.

Here is the explanation of Workflow for the application:

* 1. Click on the link above and login using your gmail ID.
  2. A menu page will come up showing various options a user can perform (covering all of the above features).

Note: User can come back to this page from any page to switch from one flow to another.

* 1. The following table explains individual feature along with flow to test the same application.

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| **Sr. No** | **Feature Name** | **Workflow Explanation** |
| 1 | The system should handle [multiple users](https://developers.google.com/appengine/docs/python/users/) and associate categories/items with a logged in user. | Any user can login from the first login page. The system associates categories and items with a logged in user. |
| 2 | Users should be able to create and edit a category with items via the web.  Anyone can vote on any category, but only the creator of a category can edit it. | * On Welcome Page, click on Create new Category Button. A textbox will come up on the same screen for user to enter a new Category name. If user puts the same category (which already exists in the system), this category won’t be updated in the system. * To Add/Edit Items in a category, Click on “Add/Edit Items of Existing Category” button. List of Categories belonging to the logged in user will come up. Choose one to edit. All items present will be displayed with an option to delete them or add new items. * To Vote on a Category, “Click Vote on Existing Category”. All Categories which are present in the system will be displayed. Choose one. Two random items pertaining to the category will be displayed along with an option to skip. |
| 3 | Users should be able to view any category via the web, not just the two fixed ones in assignment 4. | To view any categories, User will have to click on Either “Vote on Existing Category” OR “View Results of Existing Category”. |
| 4 | Users should be able to export and import a category with XML.  Example format is [here](http://cs.nyu.edu/courses/fall12/CSCI-GA.3033-004/asgn/category.xml).  Exporting is possible for any user's category.  Importing will create a new category (you must make sure an existing category with the same name does not already exist -- or, you may support this by ensuring that the author can only replace their own categories). | * To Export XML, Click on “Export Category XML” button. All Categories present in the system will be displayed. Choose one. Download window box will open up for user to download the XML for all items of that category. (P.S : Please give it some time – as sometimes system takes a bit longer to generate XML) * To Import XML, Click on “Import Category XML”. A new page will allow user to import XML. |
| **Advance Features** | | |
| 5 | Allow a user to change the items in a category.  When this happens, the results for that item must be removed.  Also, imports must be supported that replace a previous import (meaning items that do not change are preserved, items that are removed have results deleted). | * To Change Items, Click on “Add/Edit and Existing Category”. List of Categories belonging to the logged in user will come up. Choose one to edit. All items present will be displayed with an option to delete them or add new items. * While Importing, If the system already has the category, New Items from the XML will be imported and old items from the category will be deleted along with their Results. P.S : While Deleting results, the Item with which the Item to be deleted was compared will also loose the win count or loose count as it won’t be fair with other incoming Items. |
| 6 | Support user comments about an item.  A user should not be able to comment on an item more than once.  The comments should be shown in the results view by each item. | * A Logged in user can comment on an Item on the Vote Page along with the Option to Vote. Once the user comments on an Item, he/she cannot comment on same Item again. User won’t be allowed to enter at this point. * In View Results page, all the comments pertaining to an item, written by all the users will be displayed along with the Item. |
| 7 | Search capability to find items and categories that match supplied keywords.  For example a search for "Apple" could match "Apple MacBook" in the category "Laptops" as well as "Apple" in the category "Fruits". | Click on “Search Item/Category” button to search for any String. A textbox appears on the same screen for user to enter the search criteria. On submit, all the matching Item names and/or category names will be displayed along with the count of the matching results. |
| 8 | Support for expiration time in categories, after which point voting is no longer possible but viewing results is.  Expiration times should be able to be set in the category editor. | * To assign an expiration time to a category, Click on “Add/Edit Existing Category”. An Optional field to allot Expiration time to the category will appear. This time has a restriction of 12-hour window. Even though expiration time will be entered, user will be allowed to edit the category further, by changing Items. * Once expired, No user will be allowed to vote on this category on the Vote page. |