Flickr IDR Readme and Setup Instructions

I.   Overview

Flickr IDR is a web-based tool that allows a user to perform search queries on groups of Flickr-hosted images. It supports search by image similarity and by text keywords. In addition to the web component, Flickr IDR has a command-line-driven indexing program, which performs the initial indexing on Flickr image groups that is necessary to enable search of that group using the web application.

II.   System Requirements and Setup

A.   Necessary installed software

Flickr IDR requires the Microsoft .NET framework version 3.5 or later to run. The web application requires a web server capable of running ASP.NET applications (usually Microsoft Internet Information Services web server).

B.   External libraries

Flickr IDR utilizes CBISC, Lucene, and Flickr NET. These are distributed in the bin directory of the application.

C.   Setup

Extract the files in \FlickrIDR to a folder configured as an application on your web server.

Edit web.config and change the value attribute of "appRootFolder" to the path to the "flickrdata" folder on your computer.

If you will be using the import tool, also perform the same change to the App.config file located in FlickrIDRImport/FlickrIDRImport.

If you will be using the import tool, update the "flickrApiKey" and "flickrApiSecret" to the relevant values from your Flickr account.

III.   Use of indexing tool

Build and run the FlickrIDRImport application, or run the precompiled FlickrIDRImport.exe.

Required arguments to FlickrIDRImport in order:

[USER or GROUP] - to indicate whether you want to index photos from a particular Flickr user or Flickr image group.

ID – the Flickr ID of the user or group you want to index.

NAME- the name that will be displayed to describe the image group in the web interface. Enclose in quotes for multiple words.

LIMIT (optional) – optionally specify a maximum number of images to index.

IV.   Use of web application

A.   Select an image group from the dropdown (freshwater fish and mineral specimens are currently available).

B.   Optionally specify an image to use as a search query by selecting a file from your local machine, or enter a URL of a web-hosted image.

C.   Optionally use the crop tool by clicking and dragging to select the desired portion of the image.

D.   Optionally enter text keywords into the box.

E.   Select the weighting of image vs. text search results, if you've entered queries for both.

F.   Click the 'Search' button.

G.   View search results and click on the thumbnail images to visit the image's Flickr page.