Tagging Photos

With Athena, you can set multiple tags for a given photo and or get a list of popular tags for a given period.

Tagging a photo requires authentication.

FlickrContext context = new FlickrContext();

var query = from p in context.Photos

where p.User == "john" && p.Extras == (ExtrasOption.Views | ExtrasOption.Media)

select new { p.Id, p.Title, p.ExtrasResult.Views, p.Url, p.ExtrasResult.Media };

var photo = query.First();

context.Tags.Add(new Tag { Tags = new string[] { "john", "My Tagged Photo" }, PhotoId = photo.Id });

context.Tags.SubmitChanges();

Here, I fetched a photo for user “John” and I added few tags for it. Now, if I am not previously authenticated it will take me to the authentication process then do the tagging.

Selecting a tag for a particular photo is simple

var tagQuery = from tag in context.Tags

where tag.PhotoId == photo.Id && tag.ListMode == TagListMode.PhotoSpecific

select tag;

Tag tag = tagQuery.FirstOrDefault();

Listing tags done in two modes => photo specific or popular tags.

TagListMode.PhotoSpecific

TagListMode.Popular

For getting popular tags I can do

var query = from tag in context.Tags

where tag.Period == TagPeriod.Day && tag.Count == 6

orderby tag.Text ascending

select tag;

foreach (PopularTag popularTag in query)

{

System.Console.WriteLine(popularTag.Text);

}

Now, here I have not passed in TagListMode enum as by default it is Popular. Also, I can directly assign the result to PopularTag object instead of general Tag.

In the marked section, it shows that I can add multiple tags though an array which is actually from **ITagText** interface.

Removing a tag is simple, just get the list of tags you want and do

context.Tags.Remove(tag);

context.Tags.SubmitChanges();