using Microsoft.SharePoint.Client;

using System;

using System.Collections.Generic;

using System.Configuration;

using System.Linq;

namespace ClearDeactivationQueue

{

class Program

{

static string SiteUrl;

static string ListName;

static string DateColumn;

static string TimeZone;

static void Main()

{

GetSettings();

RemoveOlderItems();

}

static void GetSettings()

{

SiteUrl = ConfigurationManager.AppSettings["SiteUrl"];

ListName = ConfigurationManager.AppSettings["ListName"];

DateColumn = ConfigurationManager.AppSettings["DateColumn"];

TimeZone = ConfigurationManager.AppSettings["TimeZone"];

}

static void RemoveOlderItems()

{

Dictionary<string, string> columns = new Dictionary<string, string>();

//TimeZoneInfo tzi = TimeZoneInfo.FindSystemTimeZoneById(TimeZone);

//string date = TimeZoneInfo.ConvertTimeFromUtc(DateTime.UtcNow.Date, tzi).ToString("yyyy-MM-ddTHH:mm:ssZ");

//string date = TimeZoneInfo.ConvertTimeFromUtc(new DateTime(2017, 04, 01).Date, tzi).ToString("yyyy-MM-ddTHH:mm:ssZ");

string date = new DateTime(2017, 04, 01).ToString("yyyy-MM-ddTHH:mm:ssZ");

ClientContext context = new ClientContext(SiteUrl);

List list = context.Web.Lists.GetByTitle(ListName);

//get internal name

FieldCollection fields = list.Fields;

context.Load(fields, collection => collection.Include(f => f.Title, f => f.InternalName));

context.ExecuteQuery();

List<Field> fieldList = fields.ToList();

foreach (var field in fieldList)

{

if (!columns.ContainsKey(field.Title))

columns.Add(field.Title, field.InternalName); //resolve Field Internal Name by Title

}

//get items

CamlQuery query = new CamlQuery();

query.ViewXml = "<View><Query><Where><Eq><FieldRef Name='Automation\_x0020\_Requestor' /><Value Type='User'>ATT UID Deactivation</Value></Eq></Where></Query></View>";

//"<View><RowLimit>10000</RowLimit></View>";

ListItemCollection items = list.GetItems(query);

context.Load(items);

context.ExecuteQuery();

List<ListItem> itemList = items.ToList();

int batchSize = 100;

int count = 0;

int totalItems = itemList.Count;

foreach (ListItem item in itemList)

{

//if (item[columns["Status"]].ToString() == "Error" && item[columns["Comments"]].ToString() == "Already closed.")

{

item.DeleteObject();

count++;

if (count % batchSize == 0 || count == totalItems)

context.ExecuteQuery();

}

}

list.Update();

}

static void DeleteAll()

{

ClientContext context = new ClientContext(SiteUrl);

List list = context.Web.Lists.GetByTitle(ListName);

CamlQuery query = new CamlQuery();

query.ViewXml = "<View><Query><OrderBy><FieldRef Name='Title' /></OrderBy></Query></View>";

ListItemCollection items = list.GetItems(query);

context.Load(items);

context.ExecuteQuery();

List<ListItem> itemList = items.ToList();

int batchSize = 100;

int count = 0;

int totalItems = itemList.Count;

foreach (ListItem i in itemList)

{

i.DeleteObject();

count++;

if (count % batchSize == 0 || count == totalItems)

context.ExecuteQuery();

}

list.Update();

}

}

}