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using System;
using System.Threading.Tasks;
using System.Collections.Generic;
using SlackAPI;
using CsvHelper;
using System.IO;
using System.Globalization;

namespace project
{
    public class Row
    {
        public string ChannelName { get; set; }
        public string ChannelId { get; set; }
        public string ChannelTopic { get; set; }

        public int Number_of_members { get; set; }

        public string UserName { get; set; }
        public string UserId { get; set; }
        public string FeedbackContent { get; set; }
        public DateTime FeedbackDate { get; set; }
    }

    class Async
    {
        public async Task Run()
        {
            // instantiate a new Slack Client by provding a token
            var token = "xoxb-2614113555971-2630584309489-1cVuqys96jugciDxfVA9Q5Qa";
            var client = new SlackTaskClient(token);

            // get channel list
            var listRes = await client.GetConversationsListAsync();
            // get users list
            var userRes = await client.GetUserListAsync();
            // id map stores user id and name
            var usersIdMap = new Dictionary<string, string>();
            foreach (User user in userRes.members)
            {
                usersIdMap[user.id] = user.name;
            }

            var feedback = new List<Row>();

            foreach (Channel channel in listRes.channels)
            {
                // get all conversation history for the current channel
                var convs = await client.GetConversationsHistoryAsync(channel);
                Console.WriteLine("channel: " + channel.name);
                Console.WriteLine();

                foreach (Message message in convs.messages)
                {
                    string s = message.text;
                    if (s.IndexOf("feedback", StringComparison.OrdinalIgnoreCase) >= 0)
                    {

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        Console.WriteLine(s);
        if (message.user != null)
        {
            Console.WriteLine("User id: " + message.user);
            Console.WriteLine("User name: " + usersIdMap[message.user]);
        }
        Console.WriteLine("Message time: " + message.ts);
        Console.WriteLine("channel: " + channel.name);
        Console.WriteLine("channel id: " + channel.id);
        Console.WriteLine("channel members: " + channel.num_members);
        Console.WriteLine("channel topic: " + channel.topic.value);
        Console.WriteLine();
        feedback.Add(new Row { ChannelName = channel.name, ChannelId =
channel.id, ChannelTopic = channel.topic.value, Number_of_members = channel.num_members,
UserId = message.user, UserName = usersIdMap[message.user], FeedbackContent = s,
FeedbackDate = message.ts });
    }
}

// export data to csv file
using (var writer = new StreamWriter("./feedback.csv"))
using (var csv = new CsvWriter(writer, CultureInfo.InvariantCulture))
{
    csv.WriteRecords(feedback);
}

return;
}

static void Main(string[] args)
{
    // instantiate main class and start execution by calling its Run() method
    // then wait for the task to complete
    var p = new Async();
    p.Run().Wait();

    Console.ReadKey();
}
}
}

```

Output:

giving a FeedBack
User id: U02JEMN0KFT
User name: megha40308
Message time: 10/19/2021 12:41:50
channel: slackapp
channel id: C02JRNQDG2U
channel members: 3
channel topic: General Feedback

FEEDBACK is contained with this text
User id: U02JEMN0KFT
User name: megha40308
Message time: 10/19/2021 12:41:37
channel: slack-app
channel id: C02JRNQDG2U
channel members: 3
channel topic: General Feedback

we need to use web scraping to get the word feedback and store the data into a spread sheet

User id: U02JEMN0KFT
User name: megha40308
Message time: 10/18/2021 03:50:26
channel: slackapp
channel id: C02JRNQDG2U
channel members: 3
channel topic: General Feedback

this message has the word feedback
User id: U02JEMN0KFT
User name: megha40308
Message time: 10/18/2021 03:50:00
channel: slackapp
channel id: C02JRNQDG2U
channel members: 3
channel topic: General Feedback

This message contains feedback
User id: U02J2317N9G
User name: meghask1998
Message time: 10/18/2021 03:27:50
channel: slackapp
channel id: C02JRNQDG2U
channel members: 3
channel topic: General Feedback