

Tools:

C# packages:

SlackAPI – <https://github.com/Inumedia/SlackAPI> (C# implementation of the Slack API)

Google Sheets API.

Brief implementation:

We are going to create a slack app, and join the required channels in our workspace through that app, with the required permissions, so that our app can access the conversation history. To implement this in C# we will use the open-source Slack API implementation of C# by Inumedia. In our C# code, we will provide the user token for connecting to slack api, and use the methods provided by the C# implementation to access the channels data, user data and conversation data. We will then write that data in google sheets using the google sheets api.

Steps:

1. Create a slack app by going to api.slack.com.
2. Go to OAuth & permission tab and generate a user token with the required permissions.
3. Copy the generated user token.
4. In our C# code we will use the token to create a client.
5. We will get the list of all channels using `client.GetConversationsListAsync()` method.
6. We will be using a `usersIdMap` for storing `userId` vs `userNames` in dictionary to be used later.
7. Then for every channel, using the method `client.GetConversationsHistoryAsync(channel)` we will go through all the conversations in the channel.
8. Loop through each message and check if the message contains the word "Feedback" (case – insensitive).
9. Once we have the data, we can easily store it in the google sheet using the google sheet api.