Documentation for Incoming Web Hook

Purpose:

Create a new team in Slack and build an internal integration in Slack using Python, that contains an incoming webhook for Post in #bring-an-umbrella whenever it’s supposed to rain.

**Steps to create a team:**

1. Go to https://slack.com
2. Click on **Create a new team** tab
3. Create a new team page opens up
4. Enter your email address
5. Click the check box to check **It’s ok to send me(very ocassional) email about Slack service**https://d.adroll.com/cm/aol/outhttps://d.adroll.com/cm/index/outhttps://d.adroll.com/cm/n/out
6. Click on Next Button
7. Check your email page opens. Enter 6-digit confirmation code.
8. What’s your name page opens. Enter First Name, Last name and Username
9. Click on **Continue to password**
10. Set your Password page opens**.** Enter password based on guidelines. Click on **Continue to Team Info**
11. Tell us about your Team page opens. Select from drop down for What will your team use Slack for? Enter the Description in Could you elaborate? How big is the group you slack with?
12. Enter the Group Name and click on **Continue to Team URL**
13. What URL do you want for your slack team? Page opens. Create url and click on button **Create Team.**
14. Review the terms and click on button **I agree.**
15. Send Invitations page opens and send Invitations.
16. Welcome page opens up.
17. Now we can see the url : <https://groupmunmun.slack.com/messages>

**Steps to create a channel:**

1. On the left hand side there is a Channels Tab. Click on +sign and create the channel **#bring-an-umbrella** with details and click on **create channel** button.
2. **Traverse through the link :** [**https://groupmunmun.slack.com/apps/new/A0F7XDUAZ-incoming-webhooks**](https://groupmunmun.slack.com/apps/new/A0F7XDUAZ-incoming-webhooks)
3. Post to channel select **#bring-an-umbrella** from drop down.
4. Click on button **Add incoming webhook.**
5. <https://hooks.slack.com/services/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> will be seen in the url.

**Steps in the program:**

1. Copy the url and use in the python program.
2. Create a json paylod based on the suggestion on Slack API documentation.
3. Created a python program test.py that reads from a json payload from a file **umbrella.txt** and post a message on the channel #bring-an-umbrella whenever it is supposed to rain.
4. Program has 2 imports json and requests .
5. URL used is : <https://hooks.slack.com/services/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>
6. http method used is POST
7. only 1 header 'Content-Type': 'application/json'
8. json payload is read from file **umbrella.txt**
9. Once response is received response is printed in console with the response code and message.

**Open Issues/Findings:**

**UI:**

1. Text Whenever a large image is posted, message doesn’t popup for minimum sixe expected.
2. Text cannot be copied from UI. Instead when pasted to a txt file, code gets copied.

**Backend:**

1. Request doesn’t fail with invalid request 400 when unidentified attribute is sent in json. For example: username1 instead of username
2. Request is success if headers = None.
3. Request fails with empty json invalid\_request 400.
4. If endpoint is morphed to <https://hooks.slack.com/services/T6JNRG5H9/B6JNUCXCK/pJJdvbaTN3BotyhGLuc0vbI> requests fails with 404 Bad Token.
5. Request passes if put is used instead of post. Usually it should fail with 405.