

Big Data Analytics Programming

Week-10. Slack Notification App

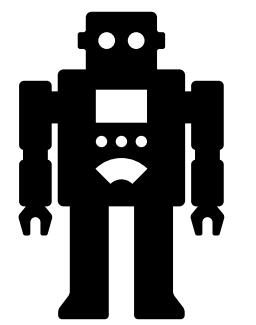
Jungwon Seo, 2022-Spring

지금까지 배운 내용을 이용해서 봇
(bot)을 만들어 볼 수는 없을까?

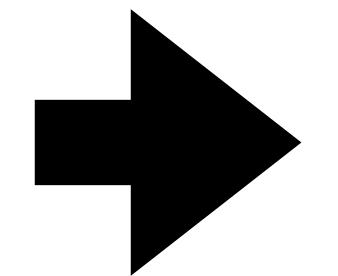
Slack Bot 만들기

오늘의 날씨

오늘의 주가



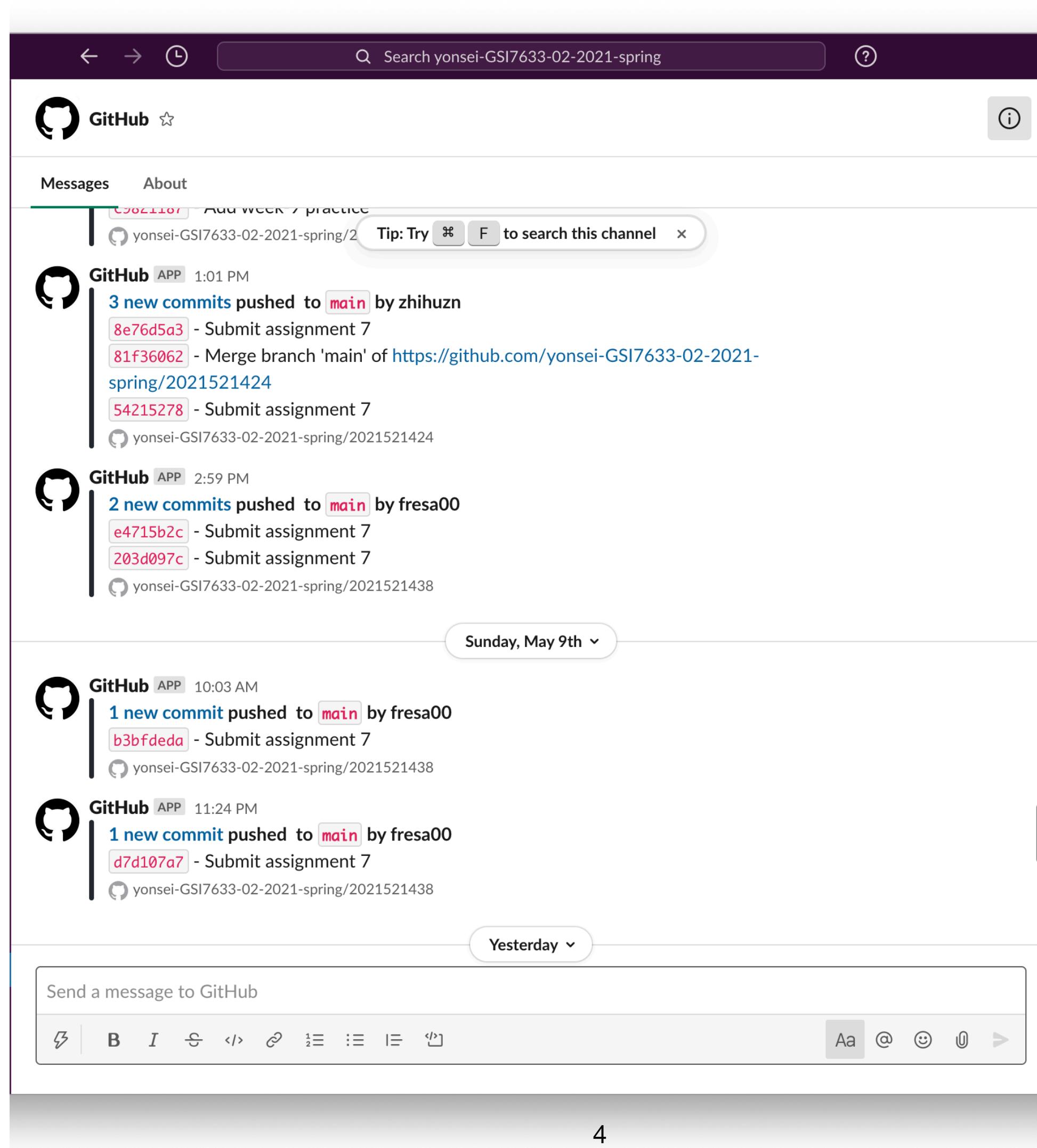
엘론 머스크 트윗



귀여운 강아지 사진

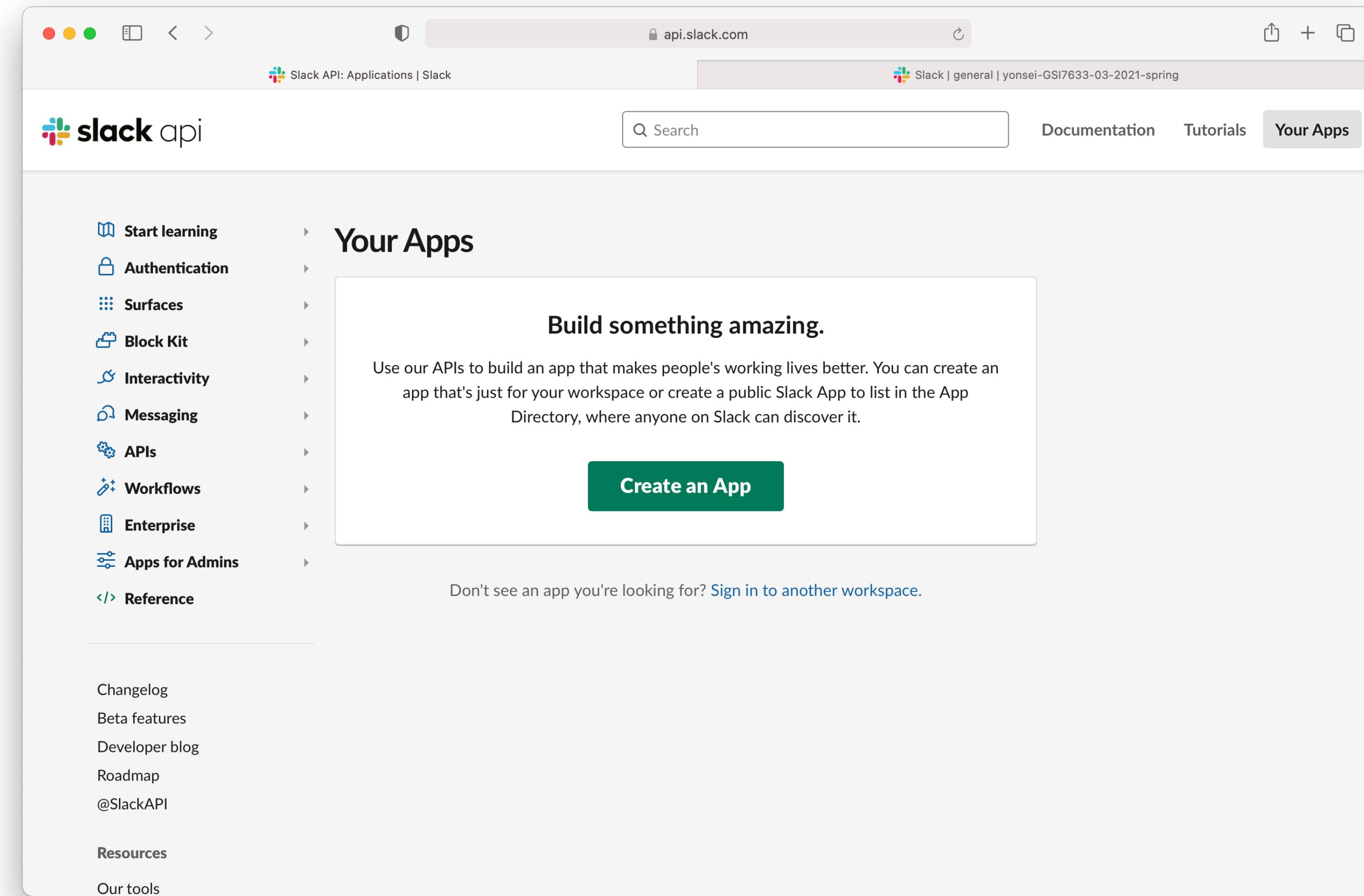
내가 1분마다 보내줄게!

Github Slack App의 예제



나만의 Slack App 만들기

다음 주소로 들어가서 앱을 만들어주세요



The screenshot shows a web browser window for api.slack.com. The title bar indicates the page is "Slack API: Applications | Slack". The main content area is titled "Your Apps" and displays a "Create an app" modal. The modal has a red border around its top section. It contains two options: "From scratch" and "From an app manifest (BETA)". Both sections include a brief description and a right-pointing arrow. Below the modal, there is a link to documentation and an example. The background of the main interface shows a sidebar with various API categories like Start learning, Authentication, Surfaces, etc., and a footer with links to Changelog, Beta features, Developer blog, Roadmap, and @SlackAPI.

slack api

Slack API: Applications | Slack

Search

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Your Apps

Create an app

Choose how you'd like to configure your app's scopes and settings.

From scratch

Use our configuration UI to manually add basic info, scopes, settings, & features to your app.

From an app manifest BETA

Use a manifest file to add your app's basic info, scopes, settings & features to your app.

Need help? Check our [documentation](#), or see an [example](#)

Changelog

Beta features

Developer blog

Roadmap

@SlackAPI

Resources

Our tools

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A modal dialog box is open, titled "Name app & choose workspace". It contains an "App Name" field with the value "Jungwon_bot" and a note: "Don't worry - you'll be able to change this later." Below this is a section titled "Pick a workspace to develop your app in:" with a dropdown menu showing "yonsei-GSI7633-03-2021-spring". A red box highlights this dropdown. A note below it states: "Keep in mind that you can't change this app's workspace later. If you leave the workspace, you won't be able to manage any apps you've built for it." At the bottom of the dialog are "Cancel" and "Create App" buttons.

The screenshot shows the Slack API Basic Information page for a bot named 'Jungwon_bot'. The left sidebar contains navigation links for Settings (Basic Information, Collaborators, Socket Mode, Install App, App Manifest [BETA], Manage Distribution) and Features (App Home, Org Level Apps, Incoming Webhooks, Interactivity & Shortcuts, Slash Commands, Workflow Steps, OAuth & Permissions, Event Subscriptions, User ID Translation, Beta Features). The main content area is titled 'Building Apps for Slack' and includes sections for 'Add features and functionality' (with a note about enabling Socket Mode for internal apps), 'Incoming Webhooks' (highlighted with a red box), and 'Interactive Components'. At the bottom are 'Discard Changes' and 'Save Changes' buttons.

Basic Information

Building Apps for Slack

Create an app that's just for your workspace (or build one that can be used by any workspace) by following the steps below.

Add features and functionality

Choose and configure the tools you'll need to create your app (or review all our [documentation](#)).

Building an internal app locally or behind a firewall?

To receive your app's payloads over a WebSockets connection, enable [Socket Mode](#) for your app.

Incoming Webhooks

Post messages from external sources into Slack.

Interactive Components

Add components like buttons and select menus to your app's interface, and create an interactive experience for users.

Discard Changes Save Changes

The screenshot shows a web browser window on a Mac OS X system, displaying the Slack API Applications interface at api.slack.com. The URL bar also shows the specific application ID: `yonsei-GSI7633-03-2021-spring`.

The main content area is titled "Incoming Webhooks". On the left, there's a sidebar with a dropdown menu set to "Jungwon_bot" and sections for "Settings" (Basic Information, Collaborators, Socket Mode, Install App, App Manifest [BETA], Manage Distribution) and "Features" (App Home, Org Level Apps, Incoming Webhooks [selected], Interactivity & Shortcuts, Slash Commands, Workflow Steps, OAuth & Permissions, Event Subscriptions, User ID Translation, Beta Features, Where's Bot User [help icon]).

The "Incoming Webhooks" section contains the following content:

- Activate Incoming Webhooks**: A toggle switch is currently set to "Off", which is highlighted with a red rectangular box.
- Information about Incoming Webhooks**:
 - Incoming webhooks are described as a simple way to post messages from external sources into Slack.
 - They use normal HTTP requests with a JSON payload including the message and optional attachments.
- Bot User Requirement**: Adding incoming webhooks requires a bot user. If the app doesn't have one, it will be added automatically.
- Webhook URL Generation**: Each time the app is installed, a new Webhook URL is generated.

The screenshot shows a web browser window for `api.slack.com` with two tabs open: "Slack API: Applications | yonsei-GSI7633-03-2021-spring" and "Slack | general | yonsei-GSI7633-03-2021-spring". The main content is the "Incoming Webhooks" configuration for the "Jungwon_bot" app.

Left Sidebar (Settings):

- Basic Information
- Collaborators
- Socket Mode
- Install App
- App Manifest BETA
- Manage Distribution

Left Sidebar (Features):

- App Home
- Org Level Apps
- Incoming Webhooks** (selected)
- Interactivity & Shortcuts
- Slash Commands
- Workflow Steps
- OAuth & Permissions
- Event Subscriptions
- User ID Translation
- Beta Features
- Where's Bot User ?

Submit to App

Main Content Area:

Incoming Webhooks

Activate Incoming Webhooks On

Incoming webhooks are a simple way to post messages from external sources into Slack. They make use of normal HTTP requests with a JSON payload, which includes the message and a few other optional details. You can include [message attachments](#) to display richly-formatted messages.

Adding incoming webhooks requires a bot user. If your app doesn't have a [bot user](#), we'll add one for you.

Each time your app is installed, a new Webhook URL will be generated.

If you deactivate incoming webhooks, new Webhook URLs will not be generated when your app is installed to your team. If you'd like to remove access to existing Webhook URLs, you will need to [Revoke All OAuth Tokens](#).

Webhook URLs for Your Workspace

To dispatch messages with your webhook URL, send your [message](#) in JSON as the body of an [application/json](#) POST request.

Add this webhook to your workspace below to activate this curl example.

Sample curl request to post to a channel:

```
curl -X POST https://slack.com/api/chat.postMessage -H "Content-Type: application/json" -d '{ "text": "Hello, world!" }'
```

The screenshot shows a web browser window with two tabs open. The left tab is titled "Slack API: Applications | yonsei-GSI7633-03-2021-spring Slack" and the right tab is titled "Slack | general | yonsei-GSI7633-03-2021-spring". The main content area is titled "Features" and lists various options: App Home, Org Level Apps, **Incoming Webhooks** (which is highlighted with a blue background), Interactivity & Shortcuts, Slash Commands, Workflow Steps, OAuth & Permissions, Event Subscriptions, User ID Translation, Beta Features, and Where's Bot User. A question mark icon is next to the Where's Bot User link. Below this is a section titled "Submit to App Directory" with a "Review & Submit" link. At the bottom left is a "Slack ❤️" link. The right side of the screen contains detailed information about Incoming Webhooks, including a note about generating new URLs when the app is installed to a team. It also includes sections for "Webhook URLs for Your Workspace" with a curl example, and a table to add new webhook URLs. A red box highlights the "Add New Webhook to Workspace" button.

add one for you.

Each time your app is installed, a new Webhook URL will be generated.

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Webhook URLs for Your Workspace

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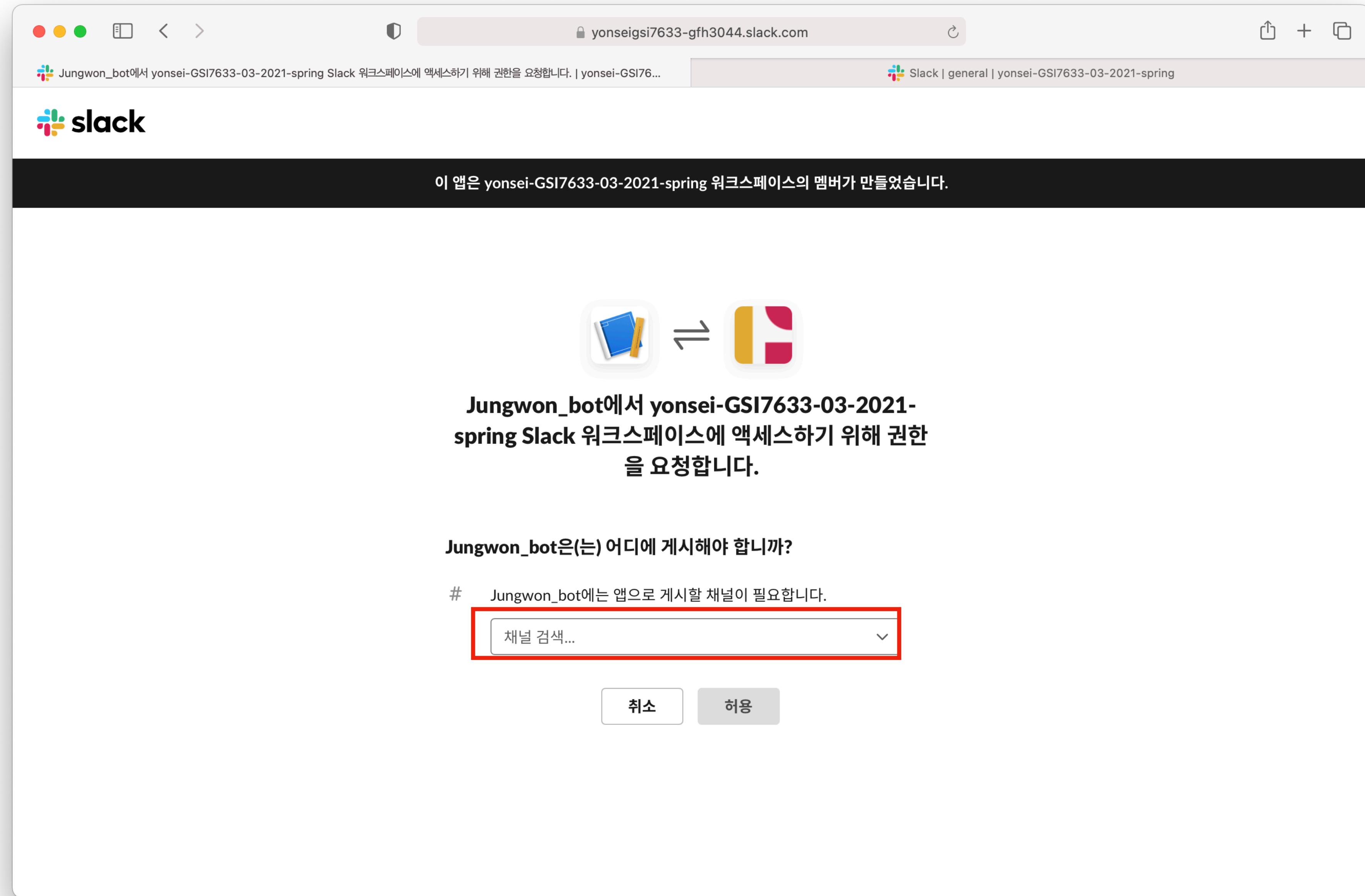
Add this webhook to your workspace below to activate this curl example.

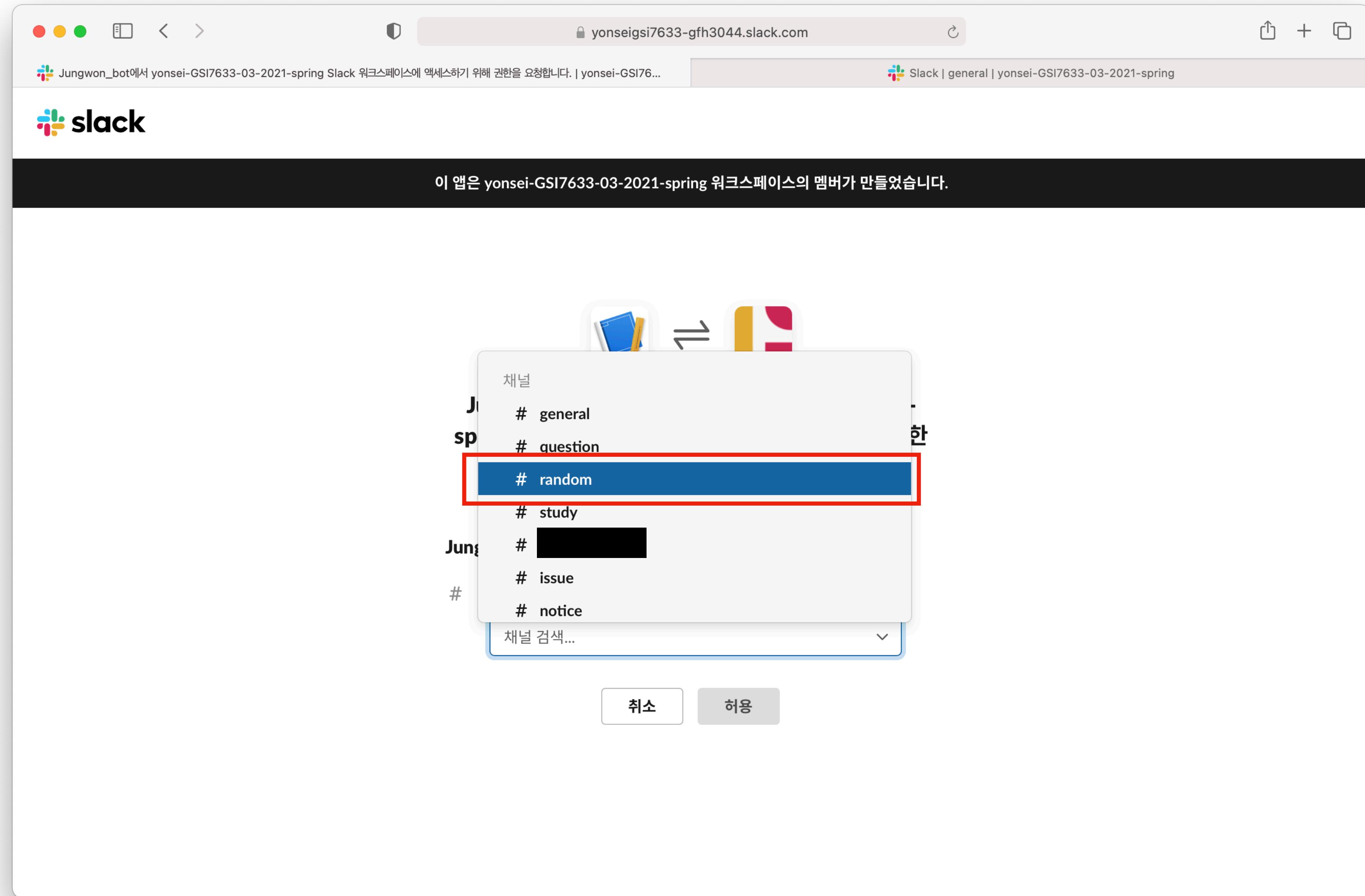
Sample curl request to post to a channel:

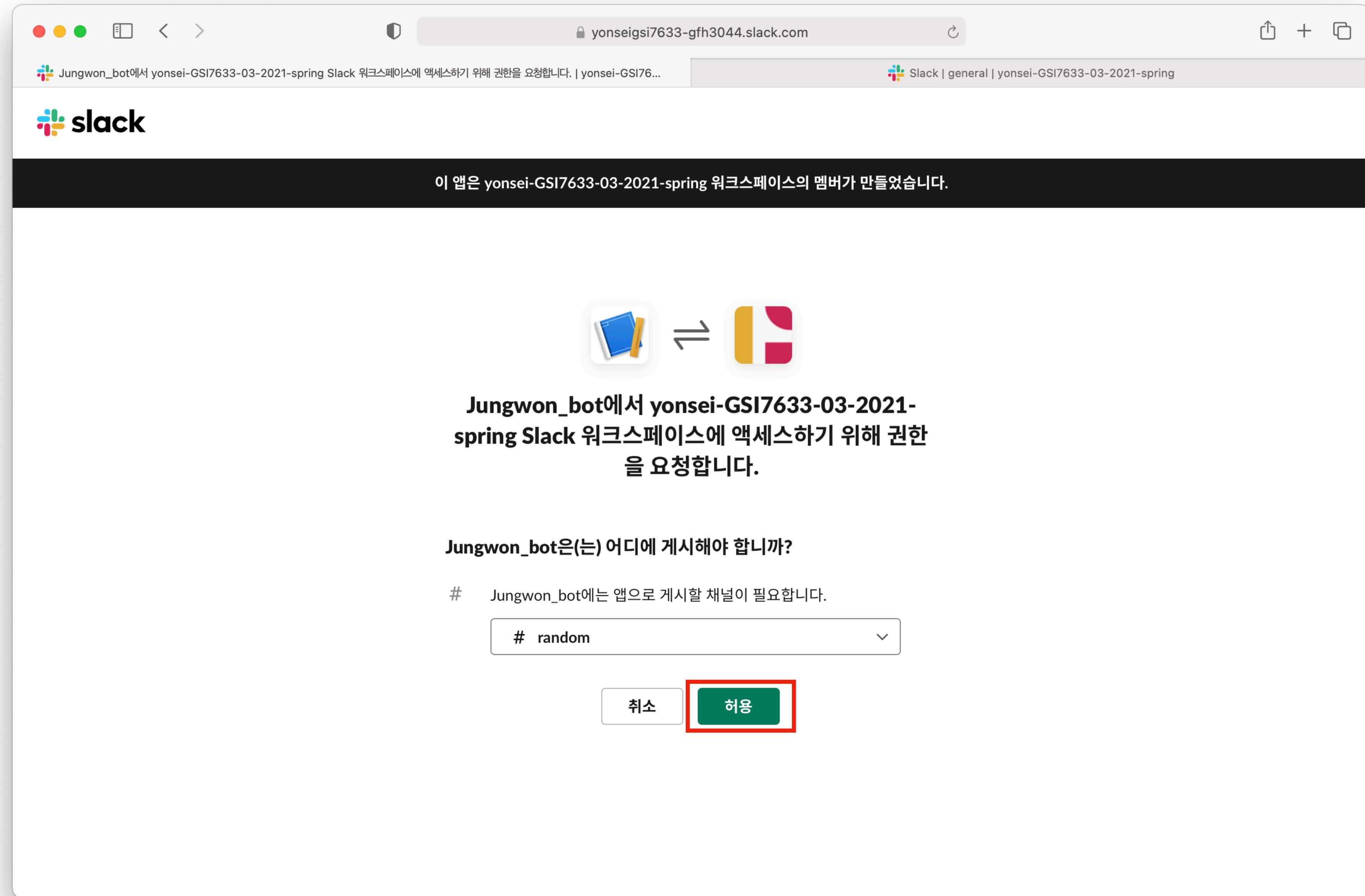
```
curl -X POST -H 'Content-type: application/json' --data '{"text":"Hello, World!"}' YOUR_WEBHOOK_URL_HERE
```

Webhook URL	Channel	Added By
No webhooks have been added yet.		

Add New Webhook to Workspace







The screenshot shows a web browser window with two tabs open. The left tab is titled "Slack API: Applications | yonsei-GSI7633-03-2021-spring Slack" and the right tab is titled "Slack | general | yonsei-GSI7633-03-2021-spring". The main content area is for "slack api".

Features

- App Home
- Org Level Apps
- Incoming Webhooks** (highlighted in blue)
- Interactivity & Shortcuts
- Slash Commands
- Workflow Steps
- OAuth & Permissions
- Event Subscriptions
- User ID Translation
- Beta Features
- Where's Bot User

Submit to App Directory

- Review & Submit

Slack ❤️

- Help
- Contact
- Policies
- Our Blog

Search

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add one for you.

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Webhook URLs for Your Workspace

To dispatch messages with your webhook URL, send your [message](#) in JSON as the body of an [application/json](#) POST request.

Add this webhook to your workspace below to activate this curl example.

Sample curl request to post to a channel:

```
curl -X POST -H 'Content-type: application/json' --data '{"text":"Hello, World!"}' https://hooks.slack.com/services/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
```

Copy

Webhook URL	Channel	Added By
https://hooks.slack.com/services/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 Copy	#random	중원_보조 May 13, 2021

Add New Webhook to Workspace

1. Python으로 슬랙에 메시지 보내기

2. 싸이월드 캠성을 보내는 봇

3. 비트코인 김치프리미엄 알림이

E.O.D