# Incoming Webhook Lab

# **Purpose**

This lab will work through the student creating incoming webhook in NetFORUM iWeb and creating Google form with scripting that utilizes the webhook and registers the user to free event "Capital Food Bank" with event code "CFP-2024" in NetFORUM.

The goal of this lab is to enable volunteers to sign up for sessions (morning and afternoon) utilizing Google form and saving the registration in NetForum via webhook. Lab is broken up into several sections that achieve this specific goal which makes up the complete lab steps.

## **Prerequisites**

- Students should have Google account, since lab requires student to utilize google forms.
- Programming knowledge, especially JavaScript will be useful
- Knowledge of NetFORUM
- Student must have administrator privileges in NetFORUM to perform iWeb setup.
  - o Training site url: <a href="https://train06.netforument.com/nftstrain2017/iWeb">https://train06.netforument.com/nftstrain2017/iWeb</a>
  - Username: student + StudentID
  - o Password:
- Required NetFORUM version 2017.1.16 or later

#### Task #1

Confirm xWeb Credentials for the incoming webhook in iWeb (No Action needed)

Step#	Student Action	Result
1	Login to iWeb and navigate to Admin → Users → confirm	Xweb_user exists in the system
	xweb_test user	
2	Xweb_test user belongs to xweb user group and has access to	Confirmed user group and
	the individual object	object access.

#### Task #2

Confirm Event and Sessions in iWeb (No Action needed)

Step#	Student Action	Result	
1	Login to iWeb and navigate to Events module, find event by event Code "CFB-2024"	Event exists in the system	
2	Go the Track/Sessions tab and review the sessions	Sessions exist in the system.	
	There should be two sessions		
	Morning Session		

Afternoon Session	

Task #3
Setup Incoming Webhook in iWeb

Step#	Student Action		Result
1	Login to iWeb and navigate to Admin → Integration → Integrations		s Display Integrations child form
2	Click "Add new record" of the	New incoming webhook	
	<ul> <li>Name: Incoming We</li> </ul>	ebhook "XXX" where "XXX" is studer	nt id record that is ready for
	<ul> <li>Type: select "Incomi</li> </ul>	ngWebhook"	further configuration.
	<ul> <li>Click the save button</li> </ul>	1	
3	Integration profile 🗲 Integrati	on Setting child form, set the	Updated integration setting
	integration fields as follows:		for the custom incoming
			webhook
	Name	Value	
	ReceiverAssembly	IncomingWebhooks	
	ReceiverType	IncomingWebhooks.Volunteer	
	SecurityObjectName	Individual	
	AuthorizedUsers	xweb_test	
4	Integration profile – Edit integ	ration and set "Active" to true	Active integration that can be called by external applications

### Task #4

Implementing incoming webhook (No Action needed)

Step#	Student Action	Result
1	Review the code sample, you can download the code from this GitHub repository (https://github.com/jkahin/X24.git)	Access the sample code and get familiar with it

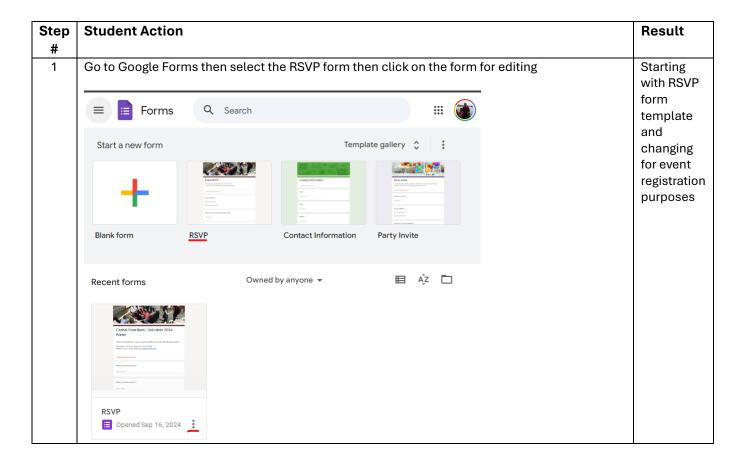
### Notes:

- 1. Make sure to reference *netForum.Integration.Webhooks* and *netForum.Integration.Data* in your project and add using statement.
- 2. Override the ProcessRequestMessage method, HttpRequestMessage parameter contains the data payload. Implement your custom logic in the ProcessRequest method.

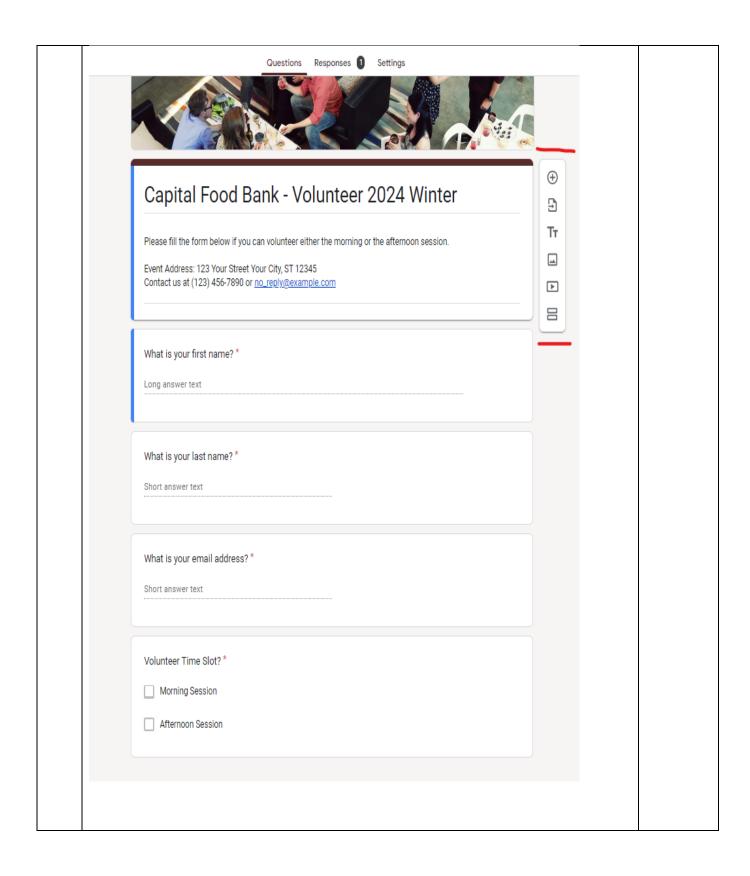
3. Build the project dll and deploy into the iWeb/bin and xWeb/bin folders

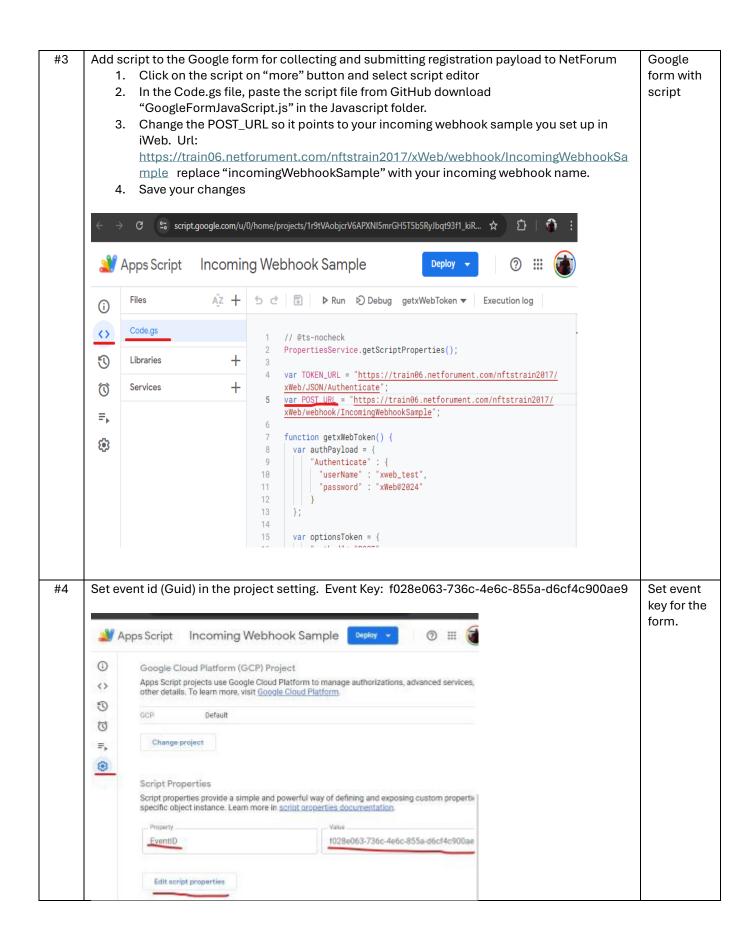
#### Task #5

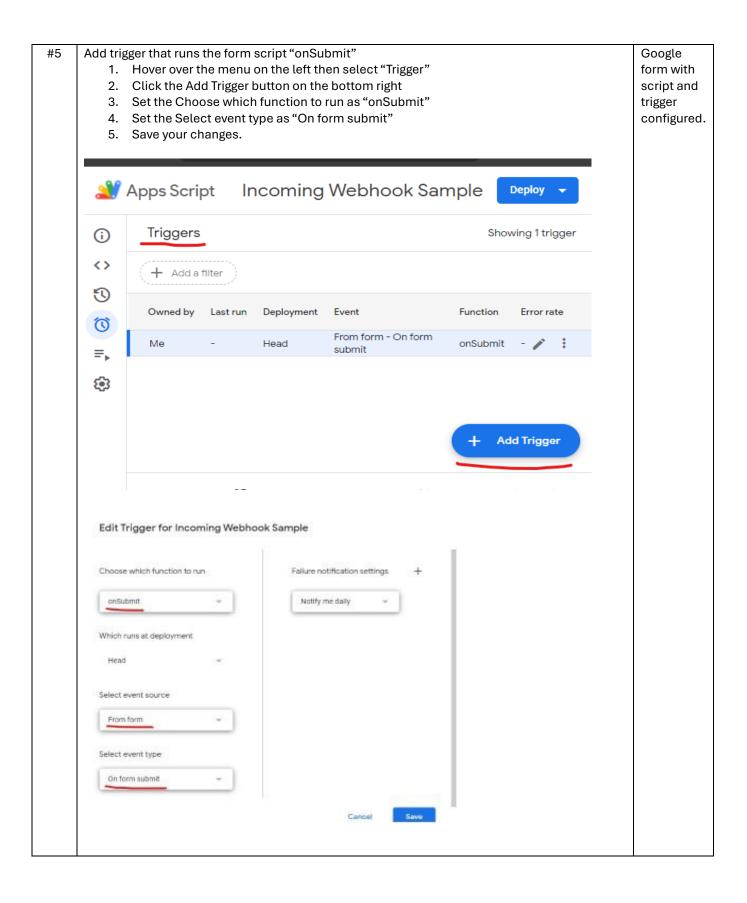
Modify Google RSVP form for event registration.

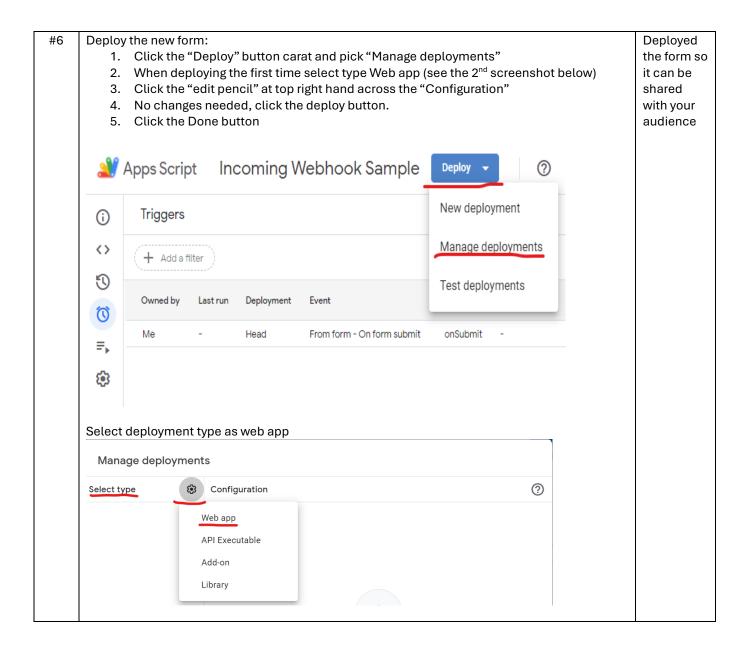


2	Change	e the form as follows:	Modified
	1.	You can change each section of the form, like deleting sections, adding new sections	Google
		as needed.	form for
	2.	Set the title so it shows the event title. The Image below shows that you can set more	event
		information like address, phone and email if needed. We don't need them for this	registration
		Demo	
	3.	Change the template form so it has the following fields	
	4.	First Name, Last Name, Email and Sessions and make all of them required.	



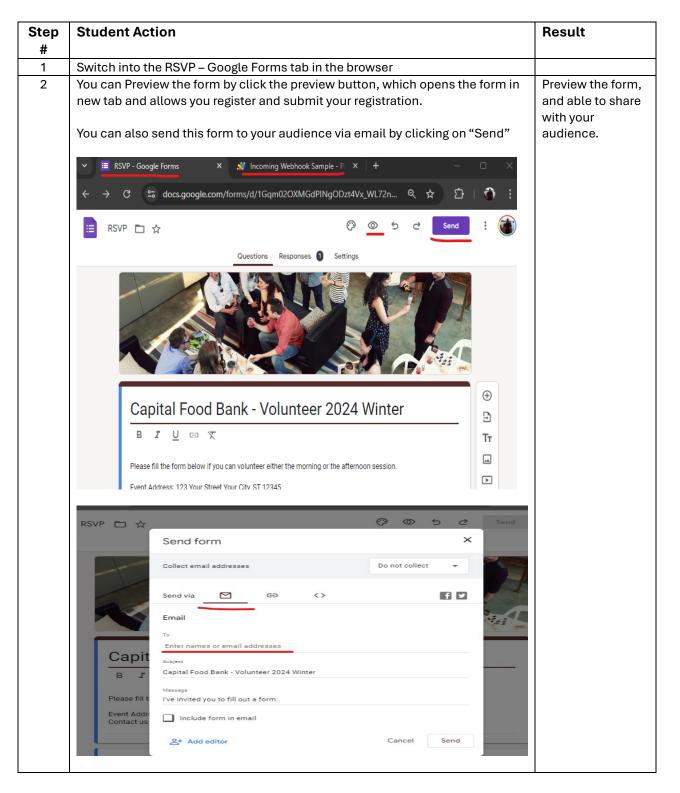


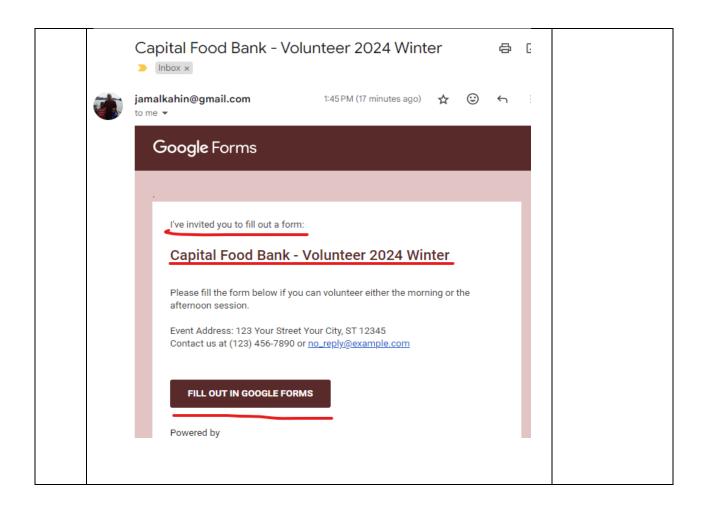




Task #6

Preview and share the form with audience

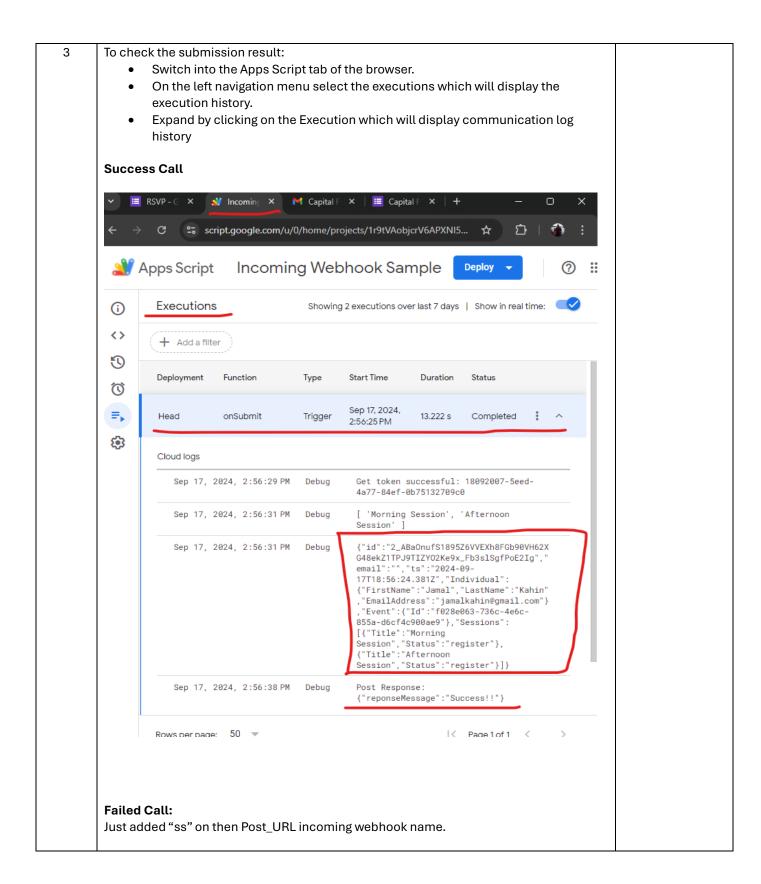


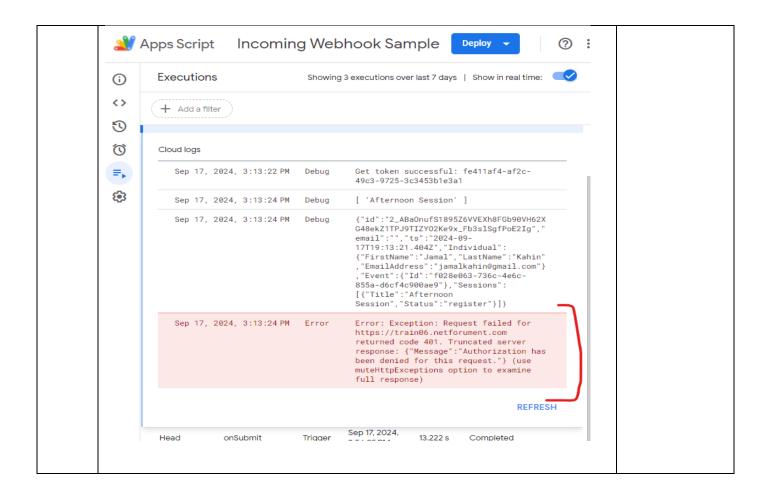


Task #7

Review execution history in Google forms for checking submission status.

Step#	Student Action	Result
1	In form preview or link in the email get to the Google form	Access to the
		Google Form
2	Fill out the form and submit it	onSubmit the
		payload has been
		transmitted to
		NetForum using
		the incoming
		webhook





#### Task #8

Confirm event registration in iWeb (No Action needed)

Step	Student Action	Result
#		
1	Login to iWeb and navigate to Event and find event by event code "CFB-2024"	Displaying event profile page
2	Click registrant tab and find your registration record Click the Track/Sessions then navigate to the Session profile, where you can see your session registration under the registrations tab.	Registration confirmed.

