Justin Cole

HW 2

Tasks

1. Figlet Screenshot. I input hi and it prints it back out in ASCII art

2. Screenshot of code in slack-request/handler.py

```
import json
def handle(req):
    data = {
        "text": "Serverless Message",
        "attachments": [{
            "title": "The Awesome world of Cloud Computing! COEN 241",
            "fields": [{
                "value": "100",
                "short": True
            "author icon": "",
            "image_url": "https://www.justincole.app/statics/mypic.png"
            "title": "About COEN 241",
            "text": "COEN 241 is the most awesome class ever!."
            "fallback": "Would you recommend COEN 241 to your friends?",
            "title": "Would you recommend COEN 241 to your friends?",
            "callback_id": "response123",
            "color": "#3AA3E3",
            "attachment type": "default",
            "actions": [
                    "name": "recommend",
                    "text": "Of Course!",
                    "type": "button",
                    "value": "recommend"
                    "name": "definitely",
                    "text": "Most Definitely!",
                    "type": "button",
                    "value": "definitely"
    return json.dumps(data)
```

3. Screenshot of code in slack-interactive/handler.py

```
#urlstring = urllib.unquote(req).decode('utf8').strip('payload=')
#response = json.loads(urlstring)
                 "response_type": "ephemeral",
"fallback": "Required plain-text summary of the attachment.",
"color": "#36a64f",
                  "pretext": "Ahh yeah! Great choice, COEN 241 is absolutely amazing!",
                  "author_link": "https://github.com/Jcole33",
"author_icon": "https://www.justincole.app/statics/mypic.png",
                  "title": "COEN 241",
"title_link": "https://www.scu.edu/engineering/academic-programs/department-of-computer-engineering/graduate/course-descriptions/",
                  "text": "Head over to COEN 241",
"image url": "https://www.scu.edu/media/offices/umc/scu-brand-guidelines/visual-identity-amp-photography/visual-identity-toolkit/logos-amp-seal
"thumb url": "https://www.scu.edu/engineering/academic-programs/department-of-computer-engineering/graduate/course-descriptions/",
                  "footer": "Slack Apps built on OpenFaas",
"footer_icon": "https://a.slack-edge.com/45901/marketing/img/_rebrand/meta/slack_hash_256.png",
                  "ts": 123456789
return json.dumps(data)
```

4. Screenshot of output from running: sudo journalctl -u faasd --lines 40

```
-- Logs begin at Frt 2022-04-22 15:48:25 PDT, end at Sat 2022-05-07 12:58:24 PDT. --

**Ray 05 19:13:42 kellen-ThinkPad-X1-Carbon-Gen-8 faasd[31566]: 2022/05/05 19:13:42 - queue-worker

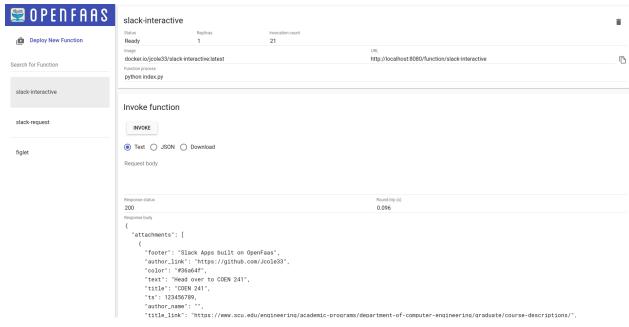
**Ray 05 19:13:42 kellen-ThinkPad-X1-Carbon-Gen-8 faasd[31566]: 2022/05/05 19:13:42 - queue-worker

**Ray 05 19:13:42 kellen-ThinkPad-X1-Carbon-Gen-8 faasd[31566]: 2022/05/05 19:13:42 - queue-worker

**Ray 05 19:13:42 kellen-ThinkPad-X1-Carbon-Gen-8 faasd[31566]: 5tarting: basic-auth-plugin

**Ray 05 19:13:42 kellen-ThinkPad-X1-Carbon-Gen-8 faasd[31566]: 2022/05/05 19:13:42 19:13:43 kellen-ThinkPad-X1-Carbon-Gen-8 faasd[31566]: 2022/05/05 19:13:43 kellen-ThinkPad-X1-Carbon-Gen-8 faasd[31566]: 2022/05/05 19:13:43 kellen-ThinkPad
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Container: basic-auth-plugin
```

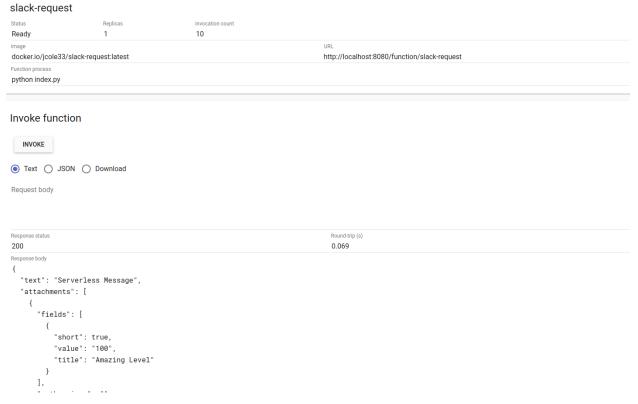
5. OpenFaas Gateway after creating the two functions



6. Invoking slack-interactive from the OpenFaas Gateway



Invoking slack-request from the OpenFaas Gateway



Questions

- 1. What is the command to invoke the slack-request function
 - a. Curl: curl http://127.0.0.1:8080/function/slack-request
 - b. CLI: faas-cli invoke slack-request
- 2. Slack Request Output
- { text: "evertess message, attachments:[{ Tetos: [{ short: "rue, Vaue: lob, title: Ambiging Level]}, author_coon: , rubge_urt: "rubge_urts interest here and the properties of the properties of
- 3. What is the command to invoke the slack-interactive function
 - a. Curl: curl http://127.0.0.1:8080/function/slack-interactive
 - b. CLI: faas-cli invoke slack-interactive
- 4. Slack Interactive Output
- 5501/markettn/ylug/_rebrad/stack.hash_236.png', 'pretext': "All yeah i Great choice, COEN 241 is absolutely anazing!", 'fallback': Required plain-text summary of the attachment.', "thumb_url' this://mmw.scu.edu/englineering/academtc-programs/department-of-computer-englineering/araduate/course-descriptions/, "author (con': https://mmw.lustincole.app/statics/myptc.png')])

 5. Feed different inputs into the stdin either through a piped echo statement or through just
- typing it in after. If I wanted to pass multiple different arguments then I could feed JSON data into the function with different properties to represent each argument. JSON would also allow me to support arguments of different types as I could include a standard property on the incoming JSON that specified what the incoming data type was.
- 6. If I wanted to support more complex inputs via requests with a JSON body then I could have it parse the incoming JSON and see what arguments it has or use a "type" property to determine what kind of data the function should expect the JSON object to have.

Extra Credit

Slack-Request Link:

https://a98b-2600-1010-b05d-472f-8d-fef9-9348-c284.ngrok.io/function/slack-request Slack-Interactive Link:

https://a98b-2600-1010-b05d-472f-8d-fef9-9348-c284.ngrok.io/function/slack-interactive

Screenshots:

Invoking of /coen241 command



Screenshot of response after answering the prompt from the first message

