COEN 241 HW2

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1. Tasks(80)

Here is the list of tasks to do. All of the code and images are already updated via GitHub.

(1) Provide a screenshot of invoking the figlet function (10 pts)

```
root@ubuntu:/home/yangzhang/functions# faas-cli store deploy figlet
Function figlet already exists, attempting rolling-update.
Deployed. 200 OK.
URL: http://127.0.0.1:8080/function/figlet
root@ubuntu:/home/yangzhang/functions# faas-cli store inspect figlet
Info for: Figlet
           figlet
Name
Description Generate ASCII logos with the figlet CLI
Image
           ghcr.io/openfaas/figlet:latest
Process
            figlet
Repo URL
           https://github.com/openfaas/store-functions
root@ubuntu:/home/yangzhang/functions# echo "Hello, FaaS, world" | faas-cli invoke figlet
root@ubuntu:/home/yangzhang/functions#
```

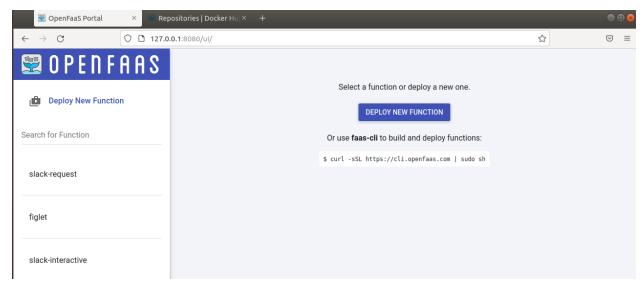
(2) Complete slack-request/handler.py (20 pt)

(3) Complete slack-interactive/handler.py (20 pt)

(4) Provide a screenshot of running the following command (10 pts)

```
root@ubuntu:/home/yangzhang/functions# journalctl -u fasad --lines 40
-- Logs begin at Mon 2023-02-13 18:58:58 PST, end at Thu 2023-02-16 21:56:14 PST. --
Feb 16 10:33:29 ubuntu faasd[1494]: 2023/02/16 10:33:29 - queue-worker
Feb 16 10:33:29 ubuntu faasd[1494]: 2023/02/16 10:33:29 - queue-worker
Feb 16 10:33:30 ubuntu faasd[1494]: 2023/02/16 10:33:30 Created container: basic-auth-plugin
Feb 16 10:33:30 ubuntu faasd[1494]: 2023/02/16 10:33:30 Created container: basic-auth-plugin
Feb 16 10:33:41 ubuntu faasd[1494]: 2023/02/16 10:33:41 basic-auth-plugin has IP: 10.62.0.2
Feb 16 10:33:42 ubuntu faasd[1494]: Starting: nats
Feb 16 10:33:42 ubuntu faasd[1494]: Creating local directory: /var/lib/faasd/nats
Feb 16 10:33:42 ubuntu faasd[1494]: Creating local directory: /var/lib/faasd/nats
Feb 16 10:33:42 ubuntu faasd[1494]: 2023/02/16 10:33:42 Running nats with user: "65534"
Feb 16 10:33:42 ubuntu faasd[1494]: 2023/02/16 10:33:42 Created container: nats
Feb 16 10:33:42 ubuntu faasd[1494]: 2023/02/16 10:33:42 Task: nats
Feb 16 10:33:42 ubuntu faasd[1494]: 2023/02/16 10:33:42 Task: nats
Feb 16 10:33:42 ubuntu faasd[1494]: 2023/02/16 10:33:42 Task: nats
Feb 16 10:33:42 ubuntu faasd[1494]: Creating local directory: /var/lib/faasd/prometheus
Feb 16 10:33:42 ubuntu faasd[1494]: Creating local directory: /var/lib/faasd/prometheus
Feb 16 10:33:42 ubuntu faasd[1494]: Creating local directory: /var/lib/faasd/prometheus
Feb 16 10:33:42 ubuntu faasd[1494]: 2023/02/16 10:33:42 Running prometheus with user: "65534"
Feb 16 10:33:44 ubuntu faasd[1494]: 2023/02/16 10:33:45 Running prometheus with user: "65534"
Feb 16 10:33:44 ubuntu faasd[1494]: 2023/02/16 10:33:45 Running prometheus Container: pateway
Feb 16 10:33:44 ubuntu faasd[1494]: 2023/02/16 10:33:45 Running prometheus Container: prometheus
Feb 16 10:33:44 ubuntu faasd[1494]: 2023/02/16 10:33:45 Running prometheus Container: pateway
Feb 16 10:33:44 ubuntu faasd[1494]: 2023/02/16 10:33:47 Running prometheus Container: pateway
Feb 16 10:33:44 ubuntu faasd[1494]: 2023/02/16 10:33:47
```

(5) Provide a screenshot of your OpenFaaS gateway AFTER deploying figlet, slack-handler and slack-interactive functions (10 pts)



(6) Provide a screenshot of invoking slack-request and slack-interactive functions (10 pts)

```
root@ubunt:/home/yangzhang/functions# echo "Hello Morid" | faas-cit invoke slack-interactive
("attachments": [['footer": "Slack Apps bullt on OpenFaas", "author_link": "https://github.com/LeonZYZReal/COEN_241_HM", "color": "#FF0000", "text": "Head over to COEN 241", "title"
: "COEN 241", "title": "1.23456789, "author_name": "Yangzhang Zhou, "title_link": "https://www.scu.edu/engineering/academic_programs/department-of-computer-engineering/graduate/course-descriptions/", "image_url": "https://www.scu.edu/engineering/academic_programs/department-of-computer-engineering/graduate/course-descriptions/", "author_lcon": "https://a.slack-edge.con/45901/marketing/ing/_rebrand/heta/slack_hash_256.png", "pretext": "Cooll COEN 241 will be fun for you!", "faltback": "Reguired plain-text summary of the attachment.", "thumb_url": "https://www.scu.edu/engineering/academic_programs/department-of-computer-engineering/graduate/course-descriptions/", "author_lcon": "https://avatars.githubusercontent.con/u/Il81399427s-4008v-4"])]
root@bubnut:/home/yangzhang/functions# echo "Hello Morid" | faas-cit invoke slack-request
("text: "serverless Message", "attachments": [{"flelds": [{"short": true, "value": "Medium", "title": "Difficulty"]], "image_url": "https://avatars.githubusercontent.con/u/Il813994
27s-4008v-4", "author_name": "Vangshang/bou", "title": "Would you recommend COEN 241 to your friends?", "color": "#FF0000", "actions": [{text: "of Course!", "type: "button", "name": "recommend", "value": "recommend"), ("text: "Most Definitely!");
"per: "button", "name": "definitely", "value": "definitely")], "acalback_d": "response123", "fallback": "Would you recommend COEN 241 to your friends?", "value": "definitely");
"tefault."
"Oot@ubuntu:/home/yangzhang/functions#
```