Jasmit Kakkar
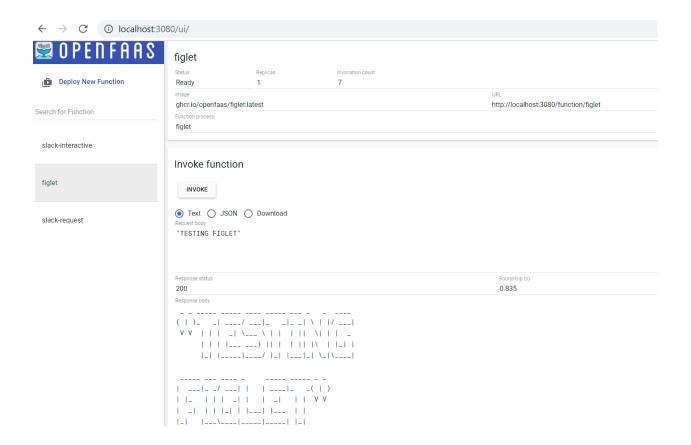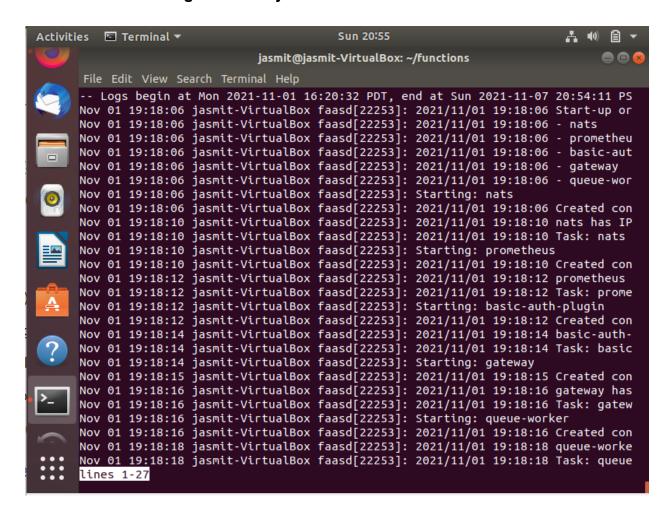
COEN 241 HW#2
Screenshot Descriptions

(1 screenshot with description per page)
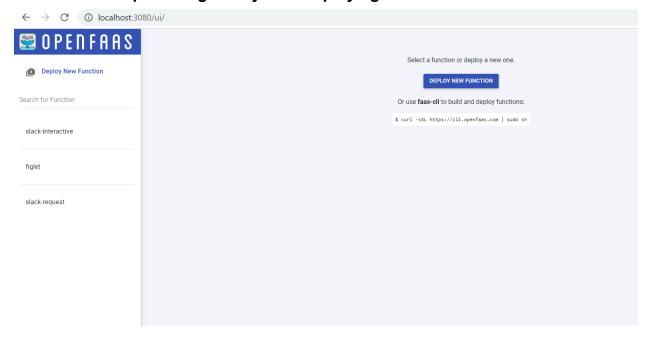
Screenshot of invoking figlet function with input "TESTING FIGLET"

Screenshot of running the "sudo journalctl -u faasd --lines 40" command


```
Activities    Terminal ▼                          Sun 20:55

                    jasmit@jasmit-VirtualBox: ~/functions

File  Edit  View  Search  Terminal  Help
-- Logs begin at Mon 2021-11-01 16:20:32 PDT, end at Sun 2021-11-07 20:54:11 PS
Nov 01 19:18:06 jasmit-VirtualBox faasd[22253]: 2021/11/01 19:18:06 Start-up or
Nov 01 19:18:06 jasmit-VirtualBox faasd[22253]: 2021/11/01 19:18:06 - nats
Nov 01 19:18:06 jasmit-VirtualBox faasd[22253]: 2021/11/01 19:18:06 - prometheu
Nov 01 19:18:06 jasmit-VirtualBox faasd[22253]: 2021/11/01 19:18:06 - basic-aut
Nov 01 19:18:06 jasmit-VirtualBox faasd[22253]: 2021/11/01 19:18:06 - gateway
Nov 01 19:18:06 jasmit-VirtualBox faasd[22253]: 2021/11/01 19:18:06 - queue-wor
Nov 01 19:18:06 jasmit-VirtualBox faasd[22253]: Starting: nats
Nov 01 19:18:06 jasmit-VirtualBox faasd[22253]: 2021/11/01 19:18:06 Created con
Nov 01 19:18:10 jasmit-VirtualBox faasd[22253]: 2021/11/01 19:18:10 nats has IP
Nov 01 19:18:10 jasmit-VirtualBox faasd[22253]: 2021/11/01 19:18:10 Task: nats
Nov 01 19:18:10 jasmit-VirtualBox faasd[22253]: Starting: prometheus
Nov 01 19:18:10 jasmit-VirtualBox faasd[22253]: 2021/11/01 19:18:10 Created con
Nov 01 19:18:12 jasmit-VirtualBox faasd[22253]: 2021/11/01 19:18:12 prometheus
Nov 01 19:18:12 jasmit-VirtualBox faasd[22253]: 2021/11/01 19:18:12 Task: prome
Nov 01 19:18:12 jasmit-VirtualBox faasd[22253]: Starting: basic-auth-plugin
Nov 01 19:18:12 jasmit-VirtualBox faasd[22253]: 2021/11/01 19:18:12 Created con
Nov 01 19:18:14 jasmit-VirtualBox faasd[22253]: 2021/11/01 19:18:14 basic-auth-
Nov 01 19:18:14 jasmit-VirtualBox faasd[22253]: 2021/11/01 19:18:14 Task: basic
Nov 01 19:18:14 jasmit-VirtualBox faasd[22253]: Starting: gateway
Nov 01 19:18:15 jasmit-VirtualBox faasd[22253]: 2021/11/01 19:18:15 Created con
Nov 01 19:18:16 jasmit-VirtualBox faasd[22253]: 2021/11/01 19:18:16 gateway has
Nov 01 19:18:16 jasmit-VirtualBox faasd[22253]: 2021/11/01 19:18:16 Task: gatew
Nov 01 19:18:16 jasmit-VirtualBox faasd[22253]: Starting: queue-worker
Nov 01 19:18:16 jasmit-VirtualBox faasd[22253]: 2021/11/01 19:18:16 Created con
Nov 01 19:18:18 jasmit-VirtualBox faasd[22253]: 2021/11/01 19:18:18 queue-worke
Nov 01 19:18:18 jasmit-VirtualBox faasd[22253]: 2021/11/01 19:18:18 Task: queue
lines 1-27
```

Screenshot of openfaas gateway after deploying all three functions

Screenshot of invoking Slack-request function

slack-request

Status   Replicas   Invocation count
Ready   1   5

Image
docker.io/jasmitkakkar/slack-request:latest

Function process
python index.py

Invoke function

INVOKE

⦿ Text   ○ JSON   ○ Download

Request body

Response status
200

Response body
{
  "text": "Serverless Message",
  "attachments": [
    {
      "fields": [
        {
          "short": true,
          "value": "100",
          "title": "Amazing Level"
        }
      ],
      "author_icon": "test",
      "image_url": "test",
      "author_name": "jasmit kakkar",
      "title": "The Awesome world of Cloud Computing! COEN 241"
    },
    {
      "text": "COEN 241 is the most awesome class ever!.",
      "title": "About COEN 241"
    },
    {
      "title": "Would you recommend COEN 241 to your friends?",
      "color": "#3AA3E3",
      "actions": [
        {
          "text": "Of Course!",
          "type": "button",
          "name": "recommend",
          "value": "recommend"
        },
        {
          "text": "Most Definitely!",
          "type": "button",
          "name": "definitely",
          "value": "definitely"
        }
      ],
      "callback_id": "response123",
      "fallback": "Would you recommend COEN 241 to your friends?",
      "attachment_type": "default"
    }
  ]
}

Screenshot of invoking Slack-interactive function with {"Hello": "COEN 241"} as input

slack-interactive

Status	Replicas	Invocation count
Ready	1	16

Image
docker.io/jasmitkakkar/slack-interactive:latest

Function process
python index.py

Invoke function

INVOKE

○ Text ◉ JSON ○ Download

Request body
{"Hello": "COEN 241"}

Response status
200

Response body

```
{
    "attachments": [
        {
            "footer": "Slack Apps built on OpenFaas",
            "author_link": "https://github.com/Portabello/coen241_hw2",
            "color": "#36a64f",
            "text": "Head over to COEN 241",
            "title": "COEN 241",
            "ts": 123456789,
            "author_name": "jasmit kakkar",
            "title_link": "https://www.scu.edu/engineering/academic-programs/department-of-computer-engineering/graduate/course-descriptions/",
            "image_url": "https://www.scu.edu/media/offices/umc/scu-brand-guidelines/visual-identity-amp-photography/visual-identity-toolkit/logos-amp-seals/Mission-Dont3.png",
            "response_type": "ephemeral",
            "replace_original": true,
            "footer_icon": "https://a.slack-edge.com/45901/marketing/img/_rebrand/meta/slack_hash_256.png",
            "pretext": "Ahh yeah! Great choice, COEN 241 is absolutely amazing!",
            "fallback": "Required plain-text summary of the attachment.",
            "thumb_url": "https://www.scu.edu/engineering/academic-programs/department-of-computer-engineering/graduate/course-descriptions/",
            "author_icon": "https://avatars.githubusercontent.com/u/18435352?s=400&v=4"
        }
    ]
}
```