

COEN 241 – HW2 Answers

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1.
 - a. `curl localhost:8080/function/slack-request -d {}`
 - b. `faas-cli invoke slack-request`
2.

```
{
  "text": "Serverless Message",
  "attachments": [
    {
      "fields": [
        {
          "short": true,
          "value": "100",
          "title": "Amazing Level"
        }
      ],
      "author_icon": "https://avatars.githubusercontent.com/u/54319700?v=4",
      "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",
      "author_name": "Abhay Tamilselvan",
      "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"
      }
    ]
  }
}
```
3.
 - a. `curl localhost:8080/function/slack-interactive -d {}`
 - b. `faas-cli invoke slack-interactive`
4.

```
{
  "attachments": [
    {
      "footer": "Slack Apps built on OpenFaas",
      "author_link": "https://github.com/abhayselvan",
      "color": "#36a64f",
      "text": "Head over to COEN 241",
      "title": "COEN 241",
      "ts": 123456789,
      "author_name": "Abhay Tamilselvan",
      "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/54319700?v=4"
    }
  ]
}
```

5. We can pass different arguments to the functions by altering the JSON payload as it's the JSON payload that is the argument to the functions. In the slack channel, we choose different buttons to provide different arguments(JSON payloads) to the slack-interactive function.

We can even change the content-type in the yaml file if we want to send arguments like "plain text" to the handler files instead of JSON.

6. We can change the slack-interactive function to react to different inputs by parsing through the Action URL invocation payload where there will be a "actions" key containing the "selected options" within which we'll find the "value" of the selected option. We can identify the correct action we are looking for using the "name" and "callback_id" when this action is invoked.