

Milestone 3

In this project, the second function of our idea is to make a function to get the epidemic function.

We use flask to make a card. That card includes two buttons, one button called “国内疫情新闻”, another button called “香港疫情新闻”. The first part is to write the card's layout. In layout we put “疫情新闻” in the header, in hero we put a picture's URL in it, finally we write to button in the footer.

The following is our project's layout code:

```
def make_flex():
    contents = {
        "type": "bubble",
        "header": {
            "type": "box",
            "layout": "horizontal",
            "contents": [
                {
                    "type": "text", "text": "疫情新闻", "size": "xl", "weight": "bold",
                }
            ]
        },
        "hero": {
            "type": "image",
            "url": "https://timgsa.baidu.com/timg?image&quality=80&size=b9999_10000&sec=1586910091544&di=e1676a22ba60d21bbd925b0e9ed",
            "size": "full",
            "aspect_ratio": "20:13",
            "aspect_mode": "cover"
        },
        "footer": {
            "type": "box",
            "layout": "vertical",
            "contents": [
                {
                    "type": "spacer", "size": "md",
                },
                {
                    "type": "button", "style": "primary", "color": "#1DB352",
                    "action": {
                        "type": "uri", "label": "国内疫情新闻", "uri": "https://news.qq.com/zt2020/page/feiyan.htm#/?nojump=1"},
                },
                {
                    "type": "button", "style": "primary", "color": "#1DB352",
                    "action": {
                        "type": "uri", "label": "香港疫情新闻", "uri": "https://www.coronavirus.gov.hk/chi/"
                    }
                }
            ]
        }
    }

    return contents
```

This card has a title called “疫情新闻”, below the header we put a picture in there, below the picture are two buttons, one button called “国内疫情新闻” that connects mainland China epidemic news link, another button called “香港疫情新闻” that connects Hong Kong epidemic news link. When we enter a sticker emoticon, it will return a card that contains two buttons. Click one button which called “国内疫情新闻” can jump to mainland China epidemic news website, click another button which called “香港疫情新闻” can jump to Hong Kong epidemic news website.

The following is our project's second function code:

```
def handle_News(event):
    #input_text = event.message.text
    #if input_text == "疫情新闻":
    print("successfully operate handle_News function")
    flex = make_flex()
    line_bot_api.reply_message(
        event.reply_token,
        FlexSendMessage(
            alt_text = "疫情播报",
            contents = flex
        )
    )
```

Next is the concrete realization result of our second function.

