貓貓企鵝小助手

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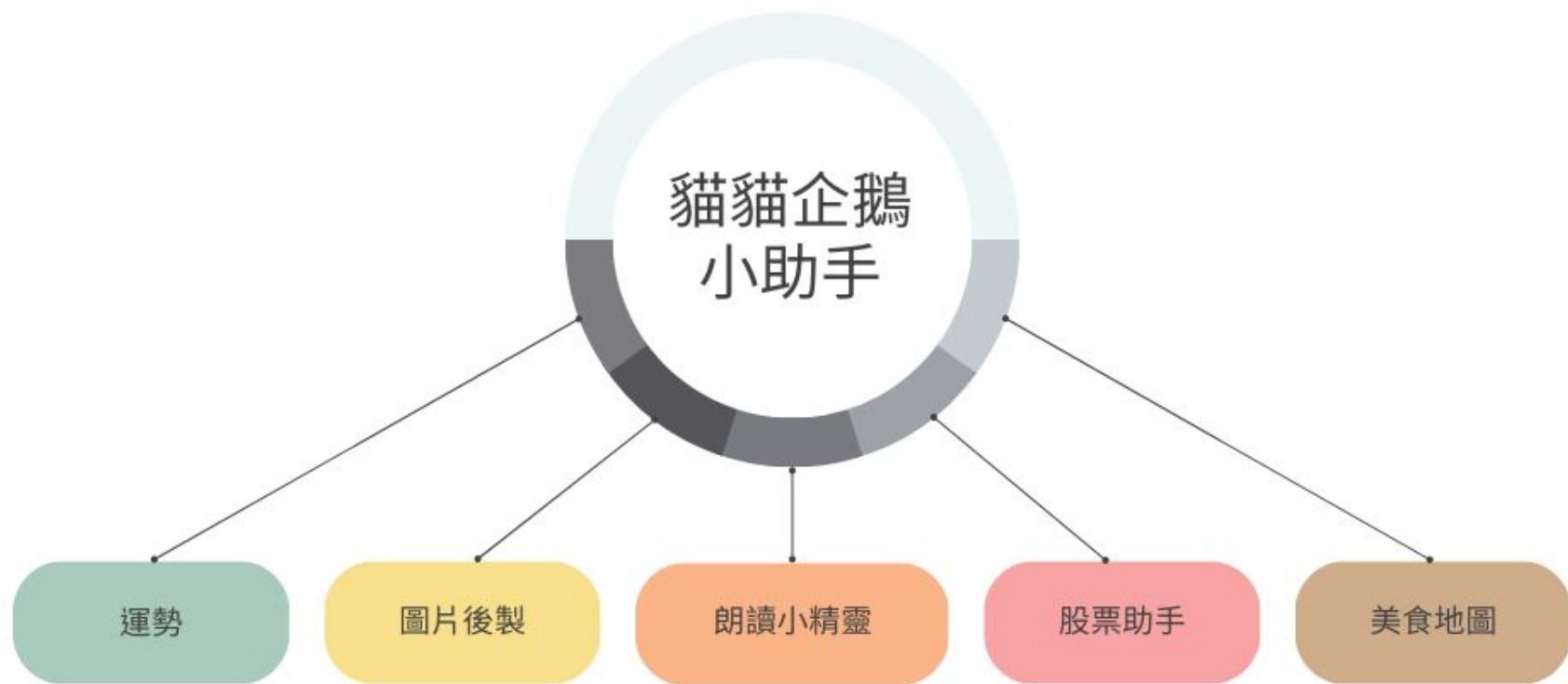
加入 Line 好友

加入好友一起體驗

HEROKU

本 Line Bot 架設
於HEROKU, 程式
放於GitHub

GitHub

Jung217 / **Penguin-cat-assistant** `Public`

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README.md ✏

Penguin-cat-assistant

About

A personal Line Bot with multiple service.

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Releases

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金門美食地圖

自組員精選名單中

隨機選取一間金門地區的餐廳

傳送位置資訊

```python
elif "吃什麼" in message:
    restaurant = [['金門牛家莊','金門縣金城鎮民族路318巷5號',24.43103800
    r = random.randint(0, len(restaurant)-1)
    location_message = LocationSendMessage(
        title= restaurant[r][0],
        address= restaurant[r][1],
        latitude= restaurant[r][2],
        longitude= restaurant[r][3]
    )
    line_bot_api.reply_message(event.reply_token, location_message)
```

restaurant = [['金門牛家莊','金門縣金城鎮民族路318巷5號',24.431038009052358,118.31409884232771],['記德海鮮餐廳','金門縣金寧鄉慈湖路二段105號',24.447731288894147,118.31104168283404],['閩式燒餅專賣店','金門縣金沙鎮博愛街48號',24.490208447308117,118.41312079817922],['�象','金門縣金城鎮莒光路一段59號',24.4315964744328, 118.31846009817842],["良金牧場(良金牛肉麵)",'金門縣金湖鎮金湖鎮漁村160號',24.437400125726505,118.40650035380833],['合泉購物中心','金門縣金湖鎮小徑村63號',24.449582351890776, 118.38542601147971],['泉民水果創作料理','金門縣金寧鄉伯玉路二段224巷8號',24.441130927810175,118.33799841147962],['米香屋廣東粥','金門縣金城鎮民生路21號',24.434645106470853,118.31949205380819],['佳軒西點麵包店','金門縣金城鎮光前路89號',24.433793499832237,118.31425455380818],['談天樓','金門縣金湖鎮復興路3號',24.440858867513338,118.41693036915065],['永春廣東粥','金門縣金城鎮莒光路162之1號',24.433998175331006,118.31611541147943],['老爹牛肉麵','金門縣金湖鎮武德新莊26號',24.440601898161827,118.41368335565755],['集成餐廳','金門縣金城鎮中興路8號',24.432412613828625,118.31645979983567],['遠來興小吃店','金門縣三民路22巷11號',24.490419774273132,118.41309336915134],['石硓公臭臭鍋','金門店金門光前路50號',24.43280813684032,118.3156548673014],['加州咖啡屋','金門縣金城鎮珠浦南路74巷21號',24.432258109799943,118.31467924216442],['麵屋無粹 MuIki','金門縣金城鎮環島北路一段126號',24.44301319125692,118.3249999691508],['進麗小籠包','金門縣金城鎮光前路34號',24.4324114180819,118.31615398264381],['龍河廣東粥','金門縣金城鎮光前路38之3號',24.43250226910213,118.31604159613701],['長合餅店','金門縣金沙鎮三民路24號',24.490198147322072,118.4126813538088],['愜意甜點工作室','金門縣金沙鎮後浦頭60號',24.487384496657867,118.4136365403157],['聯成廣東粥','金門縣金城鎮民生路45巷1號',24.43574714057928,118.31885666915078],['三層樓芋頭餐館','金門縣烈嶼鄉黃厝23之1號',24.466615420930428,118.25218372682207],['山西拌麵長榮商行','金門縣金沙鎮三山村山西22號',24.891895879566814,118.49611120953122],['俊輝碳烤','金門縣金湖鎮新湖裏新頭99號',24.43393396765973,118.41903772682178],['高坑牛肉乾','金門縣金沙鎮高坑38號',24.467145257282436,118.39391824031554],['浯州廚藝鐵板燒','金門縣金城鎮權路124號',24.435841201361846,118.31681588264378],['京采包子饅頭','金門縣民權路71號',24.43296517274044,118.31439315565754],['永齋鹹粿店','金門縣金城鎮莒光路一段44號',24.431675683167654,118.31859426915055],['喬安牧場伯玉旗艦店','金門縣金寧鄉伯玉路二段297號',24.440889730337027,118.33981109613705],['後浦泡茶間 Local Teahouse','金門縣金城鎮莒光路122號',24.433155136463913,118.31660188264397],['喜相逢小吃店','金門縣金湖鎮復興路5號',24.440834965264987,118.41695918449318],['順天洋樓 - 自然茶 咖啡(歐陽鍾遠洋樓)','金門縣金城鎮歐厝50號',24.408164903471416,118.33152865380795],['樸食 À table ','金門縣金城鎮中興路205巷6號',24.43493527029771,118.32023126915065],['金門背貓客','金門縣金沙鎮後珩4號',24.509926104804446,118.40769381332957],['金門蛋塔','金門縣金城鎮莒光路一段42號',24.431490201974047,118.31856966915055],['壽記廣東粥','金門縣金寧鄉伯玉路一段216之1號',24.43579806578197,118.32740794031518],['9號讚','金門縣金湖鎮復興路7號',24.440756158499198,118.41693728449324],['山外不一樣麵排','金門縣金湖鎮新市東中正路26號',24.440850828113994,118.41607721147955],['榕榕園麵館','金門縣金湖鎮黃海路7號',24.443215094516106,118.41475524216446],['御饌屋 みけや','金門縣金城鎮西門里富康一村9巷18號',24.43852619543079,118.32116435380823],['巴布咖啡屋(酸白菜水餃專賣店)','金門縣金湖鎮復興路92號',24.442105161407245,118.41516025380825],['阿芬海產店','金門縣金湖鎮復國墩25號',24.44841818725616,118.47000838264404],['帕堤-Lets party','金門縣金城鎮西海路3段72巷3弄5號',24.420171367388107,118.30931381147938],['三喜齋','金門縣金城鎮模範街10號',24.432126037580243,118.31927591332865],['雨川食堂 ','893金門縣金城鎮莒光路53號',24.43220143749837,118.31755385380826],['吉祥餐飲','893金門縣金城鎮中興路143號',24.433844692009302,118.31849788264392],['金門 阿公ㄟ手工豆花','金門縣金城鎮模範街15號',24.431824256717064,118.31932367099981]]]

修圖工具

提供一簡易程式碼

讓使用者合成照片

體驗用Python

合成圖片

```python
from urllib import request
import matplotlib.pyplot as plt
from google.colab import files
from PIL import Image

url  = "https://raw.githubusercontent.com/Jung217/Penguin-cat-assistant/main/pic/me.png"
url1 = "https://raw.githubusercontent.com/Jung217/Penguin-cat-assistant/main/public/Filter/result/DETAIL.jpg"  #改成自己要的圖片網址
img1 = Image.open(request.urlopen(url))
img2 = Image.open(request.urlopen(url1))

w, h = img2.size  #取輸入圖片尺寸

if w > h or w == h:
    PY   = int(h-(w/2*0.86))  #調整貼上位置
    imgP = img1.resize((int(w/2),  int(w/2*0.87)))  #以背景調整貼上圖片大小
if w < h:
    PY   = int(h-(h/2*0.86))  #調整貼上位置
    imgP = img1.resize((int(h/2),  int(h/2*0.87)))  #以背景調整貼上圖片大小


foreground = imgP
Result = img2

Result.paste(foreground,  (-5,  PY),  foreground)  #貼上圖片
Result.save("paste_me.jpg")  #儲存
files.download("paste_me.jpg")
```

```python
from PIL import Image,ImageFilter
from urllib import request
import matplotlib.pyplot as plt
from google.colab import files

url = "https://image.cache.storm.mg/styles/smg-800x533-fp/s3/media/image/2020/
img = Image.open(request.urlopen(url))


imgFilter = img.filter(ImageFilter.DETAIL)  #增強細節
imgFilter.save("DETAIL.jpg")
files.download("DETAIL.jpg")


imgFilter = img.filter(ImageFilter.EDGE_ENHANCE_MORE)  #深度增強邊緣
imgFilter.save("EDGE_ENHANCE_MORE.jpg")
files.download("EDGE_ENHANCE_MORE.jpg")


imgFilter = img.filter(ImageFilter.CONTOUR)  #增強輪廓
imgFilter.save("CONTOUR.jpg")
files.download("CONTOUR.jpg")


imgFilter = img.filter(ImageFilter.FIND_EDGES)  #找出圖片邊緣資訊
imgFilter.save("FIND_EDGES.jpg")
files.download("FIND_EDGES.jpg")


imgFilter = img.filter(ImageFilter.EMBOSS)  #浮雕
imgFilter.save("EMBOSS.jpg")
files.download("EMBOSS.jpg")
```

```python
imgG = img.convert('L')  # 灰階
imgG.save("GRAY.jpg")
files.download("GRAY.jpg")


w,h = img.size


for i in range(w):
        for j in range(h):
                if imgG.getpixel((i,j)) < 150:
                        imgG.putpixel((i,j),(0))
                else:
                        imgG.putpixel((i,j),(255))


imgG.save("THRESH.jpg")  #黑白
files.download("THRESH.jpg")
```
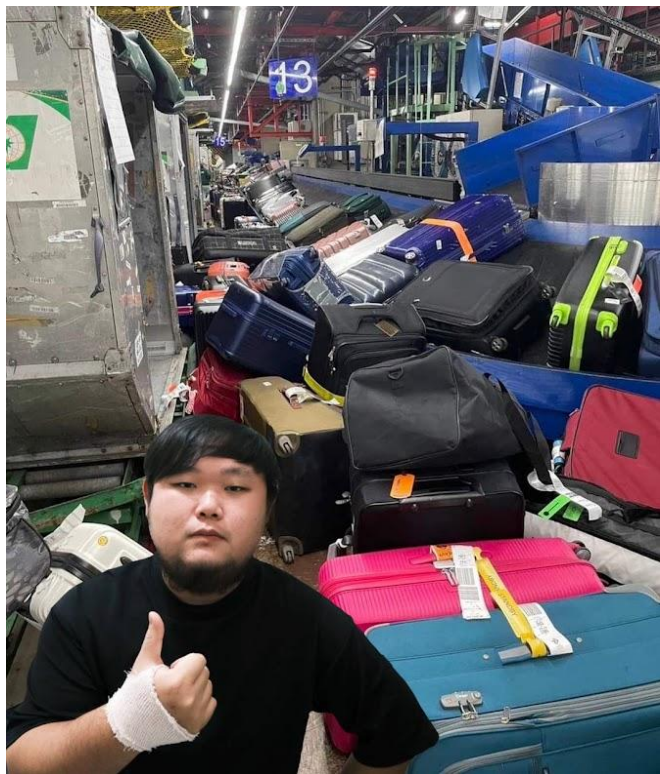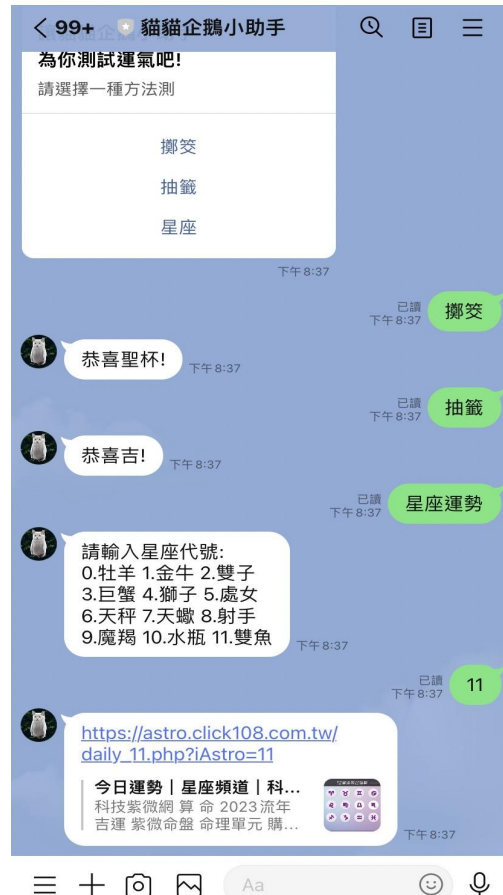
後製示範
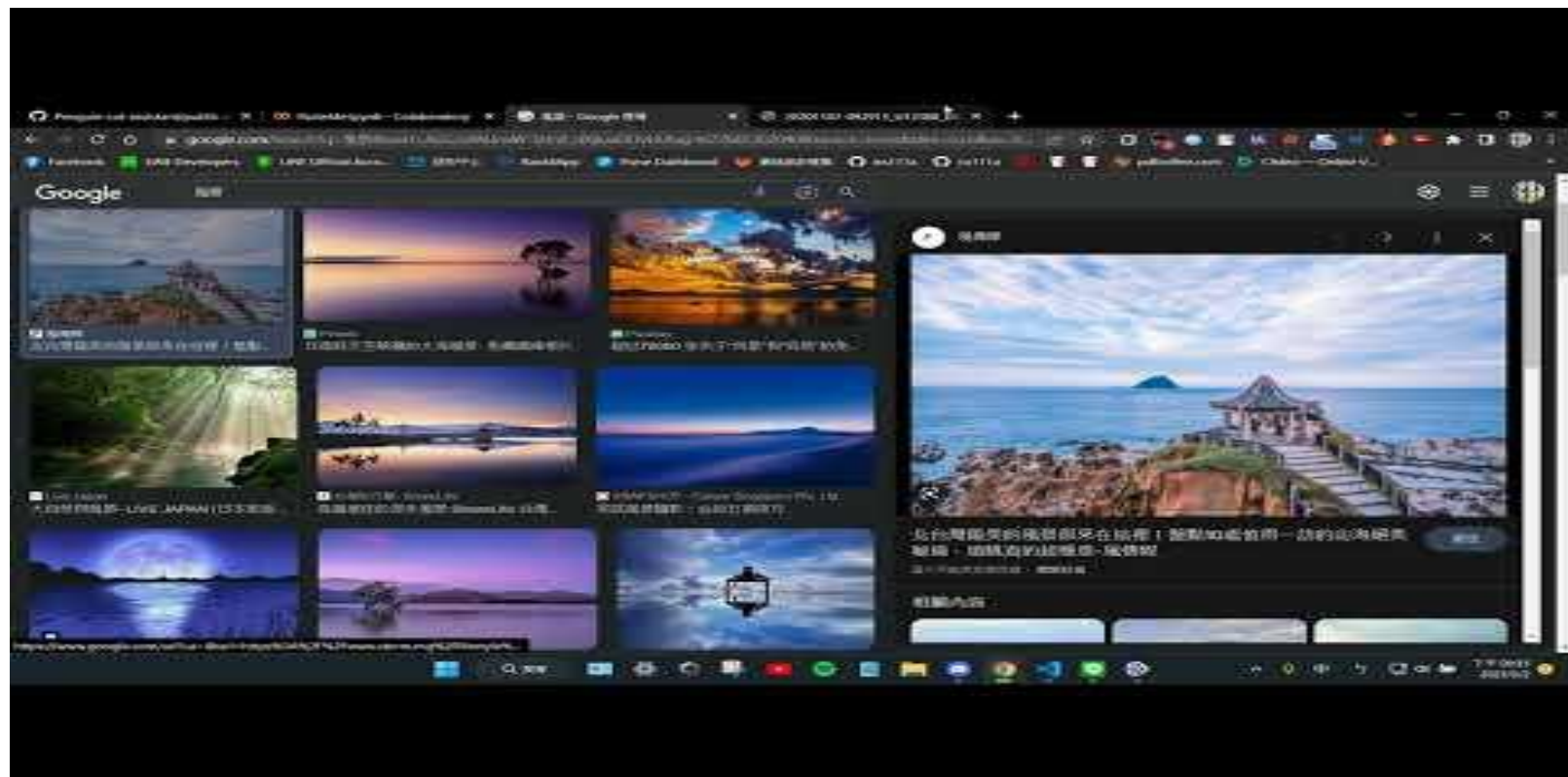
成果圖片

運勢

提供三種不同方式

不精確提供運勢資訊

- 抽籤

- 擲筊

- 星座

```python
        elif re.match("星座運勢",message):
            remessage = "請輸入星座代號:\n0.牡羊 1.金牛 2.雙子\n3.巨蟹 4.獅子 5.處女\n6.天秤 7.天蠍 8.射手\n9.魔羯 10.水瓶 11.雙魚"
            line_bot_api.reply_message(event.reply_token,TextSendMessage(remessage))


        elif re.match("0",message) or re.match("1",message) or re.match("2",message) or re.match("3",message) or re.match("4",mes
    re.match("7",message) or re.match("8",message) or re.match("9",message) or re.match("10",message) or re.match("11",message):
            message_int = int(message)
            if(message_int >= 0 and message_int <= 11):
                remessage = "https://astro.click108.com.tw/daily_"+ message + ".php?iAstro=" + message
                line_bot_api.reply_message(event.reply_token,TextSendMessage(remessage))
            else:
                remessage = '請再輸入一次星座代號!'
                line_bot_api.reply_message(event.reply_token,TextSendMessage(remessage))


        else:
            line_bot_api.reply_message(event.reply_token,TextSendMessage(message))
```

```python
elif re.match("擲筊",message):
    sendString = "恭喜" + divinationBlocks() + "!"
    line_bot_api.reply_message(event.reply_token,TextSendMessage(text=sendString))


elif re.match("抽籤",message):
    sendString = "恭喜" + drawStraws() + "!"
    line_bot_api.reply_message(event.reply_token,TextSendMessage(text=sendString))
```

```python
def divinationBlocks():
    divinationBlocksList = ["笑杯", "聖杯", "聖杯", "無杯", "笑杯", "聖杯", "聖杯", "無杯", "笑杯", "聖杯", "聖杯", "無杯", "笑杯", "聖杯", "聖杯", "聖杯", "無杯", "笑杯", "聖杯", "聖杯", "無杯", "笑杯", "聖杯", "聖杯", "無杯", "笑杯", "聖杯", "聖杯", "無杯", "笑杯", "聖杯", "聖杯", "無杯", "笑杯", "聖杯", "聖杯", "無杯", "笑杯", "聖杯", "聖杯", "無杯", "笑杯", "聖杯", "聖杯", "無杯", "笑杯", "聖杯", "聖杯", "無杯", "笑杯", "聖杯", "聖杯", "無杯", "笑杯", "聖杯", "聖杯", "無杯", "笑杯", "聖杯", "聖杯", "無杯", "超罕見立杯"]
    return divinationBlocksList[random.randint(0, len(divinationBlocksList) - 1)]

def drawStraws():
    drawStrawsList = ["大吉", "中吉", "小吉", "吉", "凶", "小凶", "中凶", "大凶", "大吉", "中吉", "小吉", "吉", "凶", "小凶", "中凶", "大凶"]
    return drawStrawsList[random.randint(0, len(drawStrawsList) - 1)]
```

翻譯小精靈

用 googletrans import Translator

提供翻譯功能

以文字形式輸入

可翻成 中文 英文 日文 等

三種語言

```python
elif re.match("翻譯小精靈",message):
    remessage = "請輸入您想翻譯的文章: \n 如:翻中 Hello World! \n   翻英 你好世界\n   翻日 你好世界"
    line_bot_api.reply_message(event.reply_token,TextSendMessage(remessage))


elif "翻中 " in message:
    translator = Translator()
    tranch = message.replace('翻中 ', '')
    remessage = translator.translate(tranch, 'zh-TW').text
    line_bot_api.reply_message(event.reply_token,TextSendMessage(remessage))


elif "翻英 " in message:
    translator = Translator()
    tranen = message.replace('翻英 ', '')
    remessage = translator.translate(tranen, 'en').text
    line_bot_api.reply_message(event.reply_token,TextSendMessage(remessage))


elif "翻日 " in message:
    translator = Translator()
    tranja = message.replace('翻日 ', '')
    remessage = translator.translate(tranja, 'ja').text
    line_bot_api.reply_message(event.reply_token,TextSendMessage(remessage))
```

股票助手

能夠跳出使用者輸入的股票名稱資訊

如: 成交價、漲跌價、漲跌幅、

開盤價、最高價等等
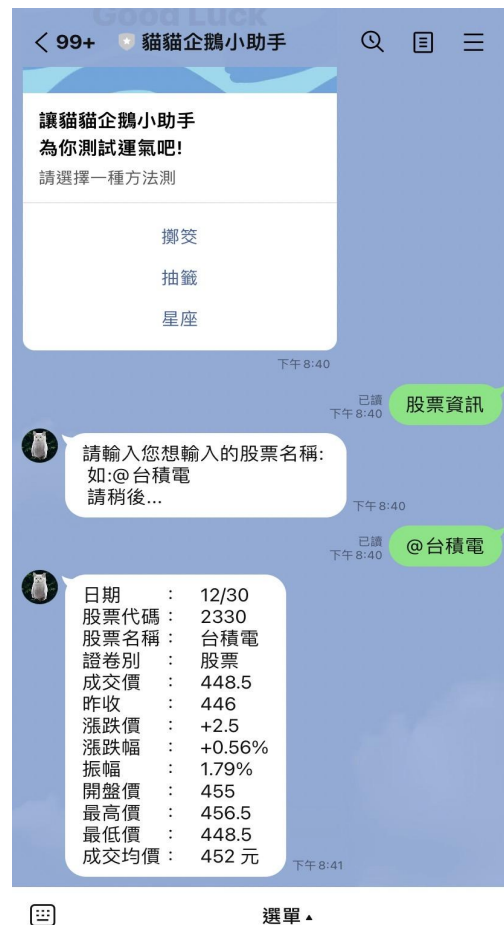
```python
elif re.match("股票資訊",message):
    remessage = "請輸入您想輸入的股票名稱：\n 如:@台積電 \n 請稍後..."
    line_bot_api.reply_message(event.reply_token,TextSendMessage(remessage))

elif '@' in message:
    stock_in = message.replace('@', '')
    remessage = stock_info(stock_in)
    line_bot_api.reply_message(event.reply_token,TextSendMessage(remessage))
```

```python
def stock_info(stock_in):
    url = 'https://isin.twse.com.tw/isin/class_main.jsp?owncode=&stockname=&isincode=&market=1&issuetype=&industry_code=&Page=1&chklike=Y'
    r = requests.get(url)
    listed = pd.read_html(r.text)[0]
    listed.columns = listed.iloc[0,:]

    stock_name = True
    for i in range(24743):
        stock_ary = []
        stock_ary.append(listed.iloc[i][2])
        stock_ary.append(listed.iloc[i][3])
        stock_ary.append(listed.iloc[i][5])
        if(stock_in == stock_ary[1]):
            stock_num = stock_ary[0]
            stock_atr = stock_ary[2]
            stock_name = True
            break
    else:
        stock_name = False

    if(stock_name == True):
        url_stock = ('https://goodinfo.tw/tw/StockBzPerformance.asp?STOCK_ID=%s' %stock_num)
        headers = {
            "user-agent": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/87.0.4280.141 Safari/537.36"
        }
        r1 = requests.get(url_stock, headers=headers)
        r1.encoding = "utf-8"

        sp = BeautifulSoup(r1.text,'lxml')
        rows = sp.select('table.b1.p4_2.r10 tr')

        td_ary = []
        for row in rows:
            td = row.find_all('td')
            td_ary += td
```

```python
        if(stock_atr == '股票'):
            date = td_ary[4].text.replace('資料日期: ', '')    #日期
            stock_num = stock_num                              #股票代碼
            stock_in = stock_in                                #股票名稱
            attribute = stock_atr                              #證卷別
            price = td_ary[10].text                            #成交價
            yesterday = td_ary[11].text                        #昨收
            updowmprice = td_ary[12].text                      #漲跌價
            updownchange = td_ary[13].text                     #漲跌幅
            amplitude = td_ary[14].text                        #振幅
            openprice = td_ary[15].text                        #開盤價
            highprice = td_ary[16].text                        #最高價
            lowprice = td_ary[17].text                         #最低價
            averageprice = td_ary[22].text                     #成交均價

        else:
            date = td_ary[1].text.replace('資料日期: ', '')
            stock_num = stock_num
            stock_in = stock_in
            attribute = stock_atr
            price = td_ary[4].text
            yesterday = td_ary[5].text
            updowmprice = td_ary[6].text
            updownchange = td_ary[7].text
            amplitude = td_ary[8].text
            openprice = td_ary[9].text
            highprice = td_ary[10].text
            lowprice = td_ary[11].text
            averageprice = td_ary[16].text

        stock_out = ('日期    :   %s\n股票代碼:   %s\n股票名稱:   %s\n證卷別   :   %s\n成交價   :   %s\n昨收    :   %s\n漲跌價 :   %s\n漲跌幅 :   %s\n振幅    :   %s\n開盤價 :
%s\n成交均價:   %s' %(date, stock_num, stock_in, attribute, price, yesterday, updowmprice, updownchange, amplitude, openprice, highprice, lowprice, averagepri

    elif(stock_name == False):
        stock_out = '查無此股票,請再輸入一次' + '\n' + '若股票名稱中有「臺」,請將它改為「台」'
    return stock_out
```

小彩蛋

大祕寶

祝福生日快樂

恭喜會傳貼圖

傳送金門大學位置

右下 更多功能 傳圖片

```python
elif "生日" in message:
    bless = ['生日快樂！希望你的所有願望都能成真','準備好開始倒數了嗎？下次跟你說生日快樂是 365 天之後，生日快樂！
    line_bot_api.reply_message(event.reply_token,TextSendMessage(bless[random.randint(0, len(bless)-1)]))
```

```python
elif "恭喜" in message:
    sticker_message = StickerSendMessage(
        package_id='6325',
        sticker_id='10979924'
    )
    line_bot_api.reply_message(event.reply_token, sticker_message)
```

```python
elif re.match("金門大學在哪",message):
    location_message = LocationSendMessage(
        title= "國立金門大學",
        address= "892金門縣金寧鄉大學路1號",
        latitude= 24.44829638687612,
        longitude= 118.32249208222159
    )
    line_bot_api.reply_message(event.reply_token, location_message)
```

資料來源

- https://github.com/Jung217/Penguin-cat-assistant

- How to merge a transparent png image with another image using PIL

- https://dashboard.heroku.com

- https://chenchenhouse.com/category/program_transaction/python

- https://www.flickr.com/photos/cjc217/