from cloudant.client import Cloudant

from cloudant.error import CloudantException

from cloudant.result import Result, ResultByKey

from flask import Flask, render\_template, request

from newsapi import NewsApiClient

serviceUsername = "50ab9a31-993d-4eaf-abf1-21c6f737b08c-bluemix"

servicePassword = "6864bc1c41f5701310846a0a80700140c138e7c82b8c7f678ce5ab877f8b90b9"

serviceURL = "https://50ab9a31-993d-4eaf-abf1-21c6f737b08c-bluemix:6864bc1c41f5701310846a0a80700140c138e7c82b8c7f678ce5ab877f8b90b9@50ab9a31-993d-4eaf-abf1-21c6f737b08c-bluemix.cloudantnosqldb.appdomain.cloud"

client = Cloudant(serviceUsername, servicePassword, url=serviceURL)

client.connect()

app = Flask(\_\_name\_\_)

@app.route("/news")

def news():

api\_key = '4f625485702d4929a546bcf4eb9d5c79'

newsapi = NewsApiClient(api\_key=api\_key)

top\_headlines = newsapi.get\_top\_headlines(sources = "the-verge")

all\_articles = newsapi.get\_everything(sources = "the-verge")

t\_articles = top\_headlines['articles']

a\_articles = all\_articles['articles']

news = []

desc = []

img = []

p\_date = []

url = []

for i in range (len(t\_articles)):

main\_article = t\_articles[i]

news.append(main\_article['title'])

desc.append(main\_article['description'])

img.append(main\_article['urlToImage'])

p\_date.append(main\_article['publishedAt'])

url.append(main\_article['url'])

contents = zip( news,desc,img,p\_date,url)

news\_all = []

desc\_all = []

img\_all = []

p\_date\_all = []

url\_all = []

for j in range(len(a\_articles)):

main\_all\_articles = a\_articles[j]

news\_all.append(main\_all\_articles['title'])

desc\_all.append(main\_all\_articles['description'])

img\_all.append(main\_all\_articles['urlToImage'])

p\_date\_all.append(main\_all\_articles['publishedAt'])

url\_all.append(main\_article['url'])

all = zip( news\_all,desc\_all,img\_all,p\_date\_all,url\_all)

return render\_template('home.html',all = all)

@app.route("/search",methods = ['POST', 'GET'])

def searchFunct():

inputText = request.form['nm']

api\_key = '4f625485702d4929a546bcf4eb9d5c79'

newsapi = NewsApiClient(api\_key=api\_key)

top\_headlines = newsapi.get\_top\_headlines(sources="bbc-news")

all\_articles = newsapi.get\_everything(q=inputText)

t\_articles = top\_headlines['articles']

a\_articles = all\_articles['articles']

news = []

desc = []

img = []

p\_date = []

url = []

for i in range (len(t\_articles)):

main\_article = t\_articles[i]

news.append(main\_article['title'])

desc.append(main\_article['description'])

img.append(main\_article['urlToImage'])

p\_date.append(main\_article['publishedAt'])

url.append(main\_article['url'])

contents = zip( news,desc,img,p\_date,url)

news\_all = []

desc\_all = []

img\_all = []

p\_date\_all = []

url\_all = []

for j in range(len(a\_articles)):

main\_all\_articles = a\_articles[j]

news\_all.append(main\_all\_articles['title'])

desc\_all.append(main\_all\_articles['description'])

img\_all.append(main\_all\_articles['urlToImage'])

p\_date\_all.append(main\_all\_articles['publishedAt'])

url\_all.append(main\_article['url'])

all = zip( news\_all,desc\_all,img\_all,p\_date\_all,url\_all)

return render\_template('home.html', all = all)

def addNewUser(userName,userEmail,userPassword):

jsondata = {}

jsondata["userName"] = str(userName)

jsondata["userEmail"] = str(userEmail)

jsondata["userPassword"] = str(userPassword)

myDataBase = client['database1']

newDocument = myDataBase.create\_document(jsondata)

def authenticate(userName,userEmail):

myDataBase = client['database1']

result\_collection = Result(myDataBase.all\_docs, include\_docs=True)

for data in result\_collection:

if data['doc']['userName'] == str(userName):

return True

if data['doc']['userEmail'] == str(userEmail):

return True

return False

def authenticateLogin(userEmail,userPassword):

myDataBase = client['database1']

result\_collection = Result(myDataBase.all\_docs, include\_docs=True)

for data in result\_collection:

if data['doc']['userPassword'] == str(userPassword) and data['doc']['userEmail'] == str(userEmail):

return True

return False

@app.route("/login",methods = ['POST', 'GET'])

def loginUser():

userEmail = request.form.get("email")

userPassword = request.form.get("pswd")

if(authenticateLogin(userEmail,userPassword)):

return news()

return render\_template("index.html")

@app.route("/register",methods = ['POST', 'GET'])

def registerUserData():

userName = request.form.get("un")

userEmail = request.form.get("ue")

userPassword = request.form.get("up")

print(userEmail,userName,userPassword)

if(authenticate(userName=userName,userEmail=userEmail)):

return render\_template("index.html")

addNewUser(userName,userEmail,userPassword)

return news()

@app.route("/")

def home():

return render\_template("index.html")

@app.route("/contact")

def hh():

return render\_template("contact.html")

if \_\_name\_\_ == '\_\_main\_\_':

app.run(debug=True)