



Products

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Sign up

Support your customers during COVID-19

It's a time of unprecedented change. Responding to the COVID-19 crisis demands agility and global scale.

Learn more

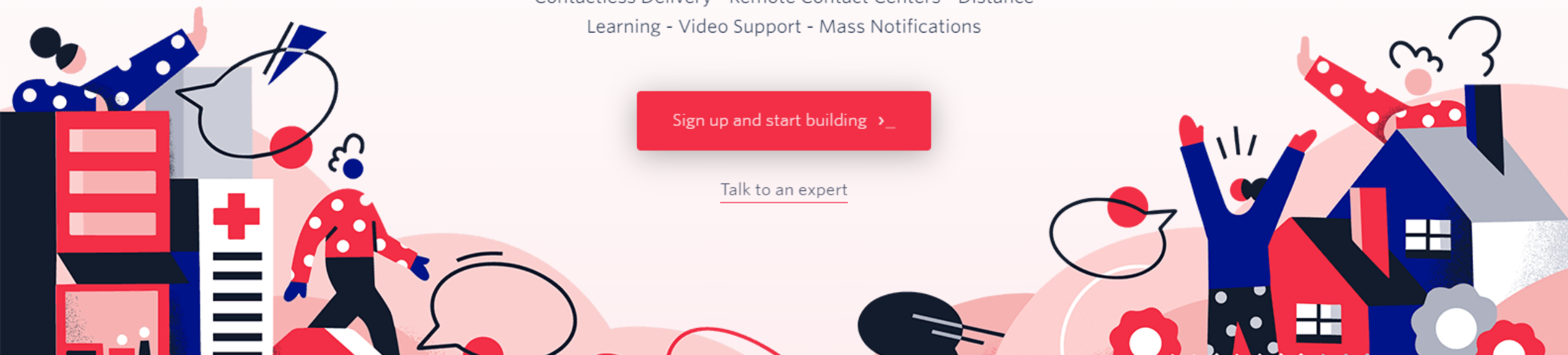
YOUR CUSTOMER ENGAGEMENT PLATFORM

Stay connected in uncertain times.

Contactless Delivery - Remote Contact Centers - Distance Learning - Video Support - Mass Notifications

Sign up and start building >_

Talk to an expert



Already have an account?

Login



Get started with a free Twilio account.
No credit card required.

WITH TWILIO YOU CAN BUILD:

- ✓ SMS marketing
- ✓ Omnichannel contact center
- ✓ Call tracking
- ✓ Web chat
- ✓ Push notifications
- ✓ Alerts and notifications
- ✓ Phone verification

First Name *

Last Name *

Email *

Password (14+ Characters) *

☐ I accept the [Twilio Terms of Service](#)
and have read the [Twilio Privacy Statement](#)

Start your free trial



Dashboard



Billing

Usage

Settings

Upgrade

Learn the basics of Twilio [How does Twilio Work?](#)

My first Twilio project Dashboard

Project Info

TRIAL BALANCE

\$14.45

TRIAL NUMBER



Need more numbers?

REFERRAL PROGRAM

Refer your network to Twilio — give \$10, get \$10.

[Referral Dashboard](#)

ACCOUNT SID



AUTH TOKEN

Show



Here's how your Twilio Trial account works:

- You can send messages and make calls to [verified numbers](#).
- Messages and calls include a note about this coming from a "Twilio trial account."

Learn more about [your trial](#) or [upgrade](#) to remove restrictions.

PROJECT NAME

My first Twilio project



PROGRAMMING LANGUAGE

Other

Step 1 - Learn About SMS



Step 1/3



With just a few lines of code, your application can send and receive text messages. You'll use the Twilio REST API and the Twilio helper library

[SMS QuickStart](#)

[Next: Build a Prototype](#)

- Phone Numbers
- Manage Numbers
- Buy a Number
- Verified Caller IDs
- Port & Host
- Regulatory Compliance
- Tools
- Usage
- Getting Started

Verified Caller IDs



Number

NUMBER

+82 10-4945-6804

+82 10-2567-9871

821025679871 ✎

Verify a Phone Number


Enter your phone number and we'll **text** you a verification code.


+82

1049456804

Or we can [call you instead](#).

< Back

Cancel

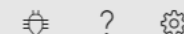
Text Me





Upgrade Project

Go to...



- Phone Numbers
- Manage Numbers
- Buy a Number
- Verified Caller IDs
- Port & Host
- Regulatory Compliance
- Tools
- Usage
- Getting Started

Verified Caller IDs



Number

NUMBER

+82 10-2567-9871

821025679871

Verify a Phone Number

Please enter the verification code we sent to your phone.

VERIFICATION CODE

921274

Back

Submit

```
(base) C:\Users\PC08>pip install twilio
Collecting twilio
  Downloading twilio-6.53.0.tar.gz (470 kB)
    |████████████████████| 470 kB 939 kB/s
Requirement already satisfied: six in d:\anaconda3\lib\site-packages (from twilio) (1.15.0)
Requirement already satisfied: pytz in d:\anaconda3\lib\site-packages (from twilio) (2020.1)
Collecting PyJWT==1.7.1
  Downloading PyJWT-1.7.1-py2.py3-none-any.whl (18 kB)
Requirement already satisfied: requests>=2.0.0 in d:\anaconda3\lib\site-packages (from twilio) (2.24.0)
Requirement already satisfied: urllib3!=1.25.0,!=1.25.1,<1.26,>=1.21.1 in d:\anaconda3\lib\site-packages (from requests>=2.0.0->twilio) (1.25.11)
Requirement already satisfied: idna<3,>=2.5 in d:\anaconda3\lib\site-packages (from requests>=2.0.0->twilio) (2.10)
Requirement already satisfied: certifi>=2017.4.17 in d:\anaconda3\lib\site-packages (from requests>=2.0.0->twilio) (2020.6.20)
Requirement already satisfied: chardet<4,>=3.0.2 in d:\anaconda3\lib\site-packages (from requests>=2.0.0->twilio) (3.0.4)
Building wheels for collected packages: twilio
  Building wheel for twilio (setup.py) ... done
  Created wheel for twilio: filename=twilio-6.53.0-py2.py3-none-any.whl size=1251204 sha256=ec364a63abace42e52babab2c0a88ecc3cd474ce848b4ab6c155700edaef05cd
  Stored in directory: c:\users\pc08\appdata\local\pip\cache\wheels\92\93\bb\fffcc95635448209d6ee3b0c20dad5024fa413adcc0be66b2e0
Successfully built twilio
Installing collected packages: PyJWT, twilio
Successfully installed PyJWT-1.7.1 twilio-6.53.0

(base) C:\Users\PC08>
(base) C:\Users\PC08>
```

```
import os
from twilio.rest import Client
#cmd 창에서 twilio를 install 해줍니다!

account_sid = '발급받은 sid를 그대로 복붙해줍니다'
auth_token = '발급받은 token를 그대로 복붙해줍니다'
client = Client(account_sid, auth_token)

message = client.messages.create(
    to="+8210핸드폰 나머지 여덟자리 입력해주세요",
    from_="+18782187259",
    body="보내고자하는 텍스트를 적어주세요")

print(message.sid)
```



00918782187259 >

문자 메시지
(오늘) 오후 7:36

[국외발신]
Sent from your Twilio trial
account - hello








문자 메시지



카카오톡 보내기



← → ↻ ⓘ 127.0.0.1:5000/message

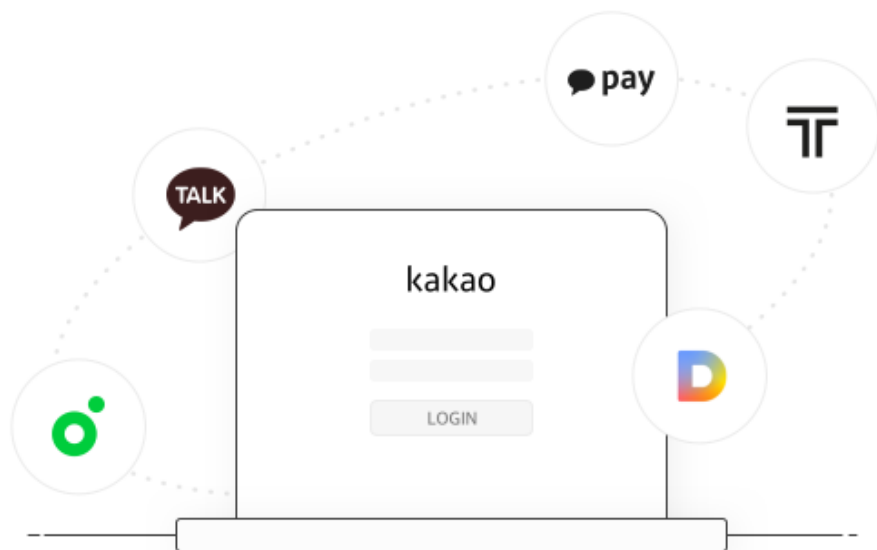
 앱  5장. 상관 모델링 -...  자바 프로젝트 참고...  python  oracle



카카오 로그인

카카오계정 하나로 충분합니다.

Kakao의 모든 서비스 뿐 아니라 Melon, Daum 등 다른 다양한 서비스까지
이제 카카오계정으로 이용해 보세요!



kakao

카카오메일 아이디, 이메일, 전화번호

비밀번호

☒ 로그인 상태 유지

로그인

또는

QR코드 로그인

[회원가입](#)

[카카오계정](#) | [비밀번호 찾기](#)



localhost.com/?code=2aRueo_818DuFmhllpGWPRkmfpsFplpqyvel0G-hAPAG7T92C5aEnUpJWOQFpmMyTlqbcAo9dVsAAAF3_Pc1RQ

앱 5장. 상관 모델링 -... 자바 프로젝트 참고... python oracle

```
# -*- coding: [utf-8] -*-
import requests

url = 'https://kauth.kakao.com/oauth/token'
rest_api_key = 'af8890c3a25e36b8a67c5e65775bfc34'
redirect_uri = 'https://localhost.com'
authorize_code = '2aRueo_818DuFmhllpGWPRkmfpsFplpqyvel0G-hAPAG7T92C5aEnUpJWOQFpmMyTlqbcAo9dVsAAAF3_Pc1RQ'

data = {
    'grant_type': 'authorization_code',
    'client_id': rest_api_key,
    'redirect_uri': redirect_uri,
    'code': authorize_code,
}

response = requests.post(url, data=data)
tokens = response.json()
print(tokens)

import json

with open("kakao_code.json", "w") as fp:
    json.dump(tokens, fp)
```

```

import requests
import json

with open("kakao_code.json", "r") as fp:
    tokens = json.load(fp)

friend_url = "https://kapi.kakao.com/v1/api/talk/friends"

headers={"Authorization" : "Bearer " + tokens["access_token"]}

result = json.loads(requests.get(friend_url, headers=headers).text)

print(type(result))
print("=====")
print(result)
print("=====")
friends_list = result.get("elements")
print(friends_list)
print("=====")
print(friends_list[1].get("uuid"))
friend_id = friends_list[1].get("uuid")

send_url= "https://kapi.kakao.com/v1/api/talk/friends/message/default/send"

data={
    'receiver_uuids': '["{}"]'.format(friend_id),
    "template_object": json.dumps({
        "object_type": "text",
        "text": "안녕하세요",
        "link": {
            "web_url": "www.daum.net",
            "web_url": "www.naver.com"
        },
        "button_title": "눌러주세요"
    })
}

response = requests.post(send_url, headers=headers, data=data)|

```

앱 설정

요약 정보

일반

비즈니스

앱 키

플랫폼

팀 관리

제품 설정

카카오 로그인

동의항목



myapi



ID 542367

OWNER

Android

Web

권한 관리

팀원 초대

카카오계정	권한	상태	관리
mion21@naver.com (내 계정)	OWNER	활성	
vivoboywj@naver.com	EDITOR	활성	수정 내보내기