How to send email (using GMAIL) with HTML content from Django(2.7.1) application ?

Agenda

- Create Django project with simple api

- Configure email service provider information

- Configure email template directory and email template

- Generate password for your app in gmail

- Send email and test

Create Django project with simple api

- Install django (https://www.djangoproject.com/download/) and verify installation - django-admin - - version

- Create simple api to send an email

Configure email service provider information

- settings.py

```
EMAIL_BACKEND = 'django.core.mail.backends.smtp.EmailBackend'

EMAIL_USE_TLS = True

EMAIL_HOST = 'smtp.gmail.com'

EMAIL_HOST_USER = 'jitukasaudhan144@gmail.com'

EMAIL_HOST_PASSWORD = '12345'

EMAIL_PORT = 587

APPLICATION_EMAIL = 'Admin<jitukasaudhan144@gmail.com>'

DEFAULT_FROM_EMAIL = 'Admin<jitukasaudhan144@gmail.com>'
```

Configure email template directory and email template

- ROOT_DIR >> templates >>email_templates >>welcome.html

- settings.py
 TEMPLATES = [{ …

              "DIRS": [os.path.join(BASE_DIR, "templates")]

    }

  ]

Generate password for your app in gmail

- If two factor authentication is not enabled, you can use your normal gmail password

- If 2 factor authentication is enabled, you have to generate password for the app in order to send email

- Its good to generate new password for the app

- Login to gmail => Manage Accounts => Security(Left sidebar) => App Password

-Select 'Mail' from dropdown and correct device from which you would like to send as email

- Generate password and copy paste in your settings.py

CODE TO SEND EMAIL

```python
from django.template.loader import get_template

from django.core.mail import EmailMessage

from django.conf import settings


html_tpl_path = 'email_templates/welcome.html'

context_data = {'name': 'JK'}

email_html_template = get_template(html_tpl_path).render(context_data)

receiver_email = 'jitukasaudhan144+1@gmail.com'

email_msg = EmailMessage('Welcome',

                          email_html_template, settings. APPLICATION_EMAIL,

                          [receiver_email],

                          reply_to=[settings.APPLICATION_EMAIL]

                          )

# this is the crucial part that sends email as html content but not as a plain text

email_msg.content_subtype = 'html'

email_msg.send(fail_silently=False)
```

- Tips: You can use your gmail account and add plus 1 or 2 or 3 … to receive email Eg. jitukasaudhan144+1@gmail.com is valid gmail address

THANK YOU

Please comment your queries or

ask me on twitter (@jitubutwal144) if you have any questions :)