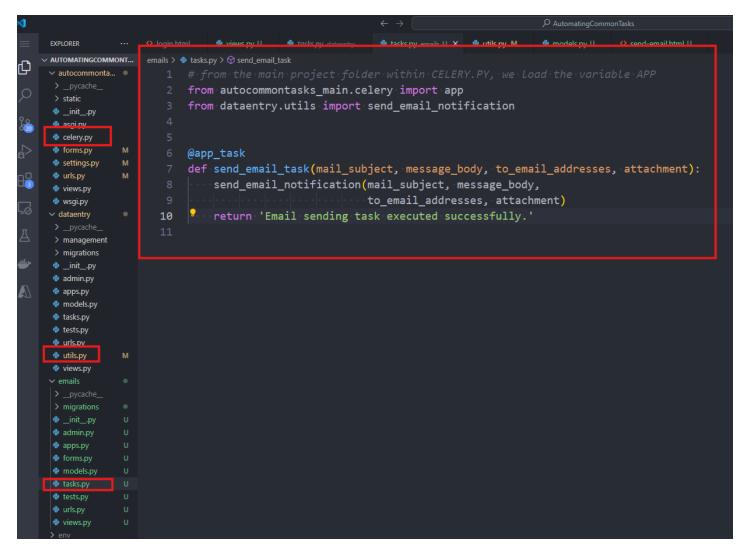
Topic: Bulk Email Tool 18: Handing the Task To Celery

Speaker: Udemy Instructor Rathan Kumar | Notebook: Django: Automating Common Tasks



Sending bulk emails will take awhile especially if its thousands or millions of email addresses. To resolve this, we use CELERY again just like how we used it in DATAENTRY to import or export large data.

1. In EMAILS folder, create a new file, TASKS.PY

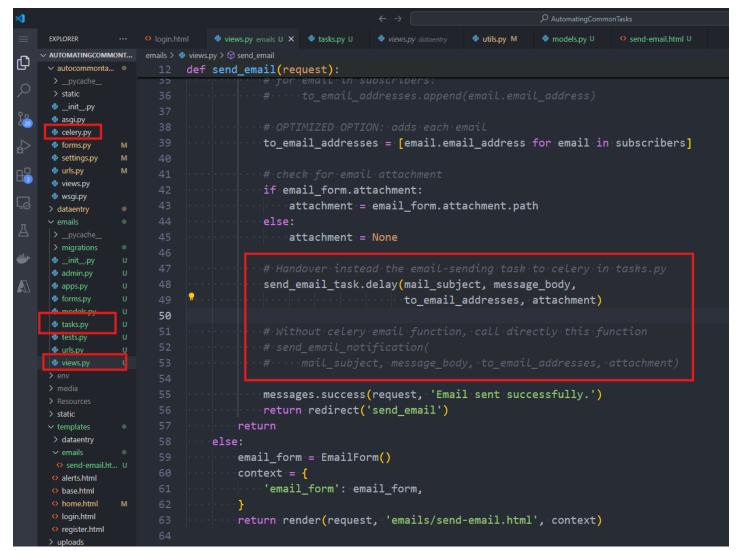


2. Update our EMAILS\VIEWS.PY to call the celery function in EMAILS\VIEWS.PY

```
×
                       ♦ login.html ♦ views.py emails U X ♦ tasks.py U ♦ views.py dataentry
      EXPLORER
                                                                                     utils.py M
                        emails > 🏺 views.py > 😭 send_email

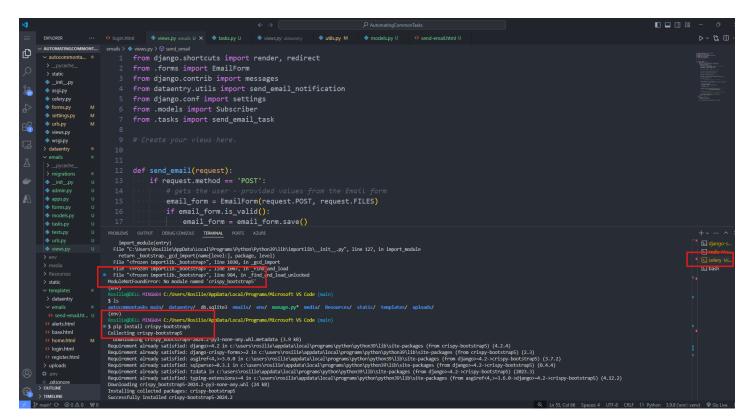
✓ AUTOMATINGCOMMONT...

凸
      autocommonta...
                               from django.shortcuts import render, redirect
                               from .forms import EmailForm
      > static
                           3 from diango.contrib import messages
      __init__.py
                               from dataentry.utils import send_email_notification
      asgi.py
                               from django.conf import settings
      celery.py
      forms.py
                               from .models import Subscriber
      settings.py
                               from .tasks import send_email_task
      urls.py
      views.py
```



3. Go to your CELERY BASH TERMINAL, press CTRL + C to stop it from running. Now execute the command to reload Celery IMPORTANT REMINDER: When you run your celery terminal, it has error notifications for installed packages, CRISPY FORM AND CRISPY BOOTSTRAP5, so we installed it again.

```
| Comparison | Com
```



IT APPEARS THAT THE VIRTUAL ENVIRONMENT OF DJANGO-SERVER TERMINAL AND CELERY TERMINALS ARE DIFFERENT.

Plugging this confusion in CHATGPT, it shows this message:



Memory updated

The difference in installed packages between your two virtual environments ('django-server' and 'celery') is due to them being separate environments. Each virtual environment in Python is isolated, meaning it has its own installed packages independent of other environments.

Even though both environments are in the same project or use the same files and folders, they maintain their own package dependencies. This allows you to have different versions of the same package or even different sets of packages in different environments, depending on the needs of your project.

If you want both environments to have the same packages, you can do the following:

1. Freeze the requirements of one environment:



2. Install the same requirements in the other environment:

```
bash

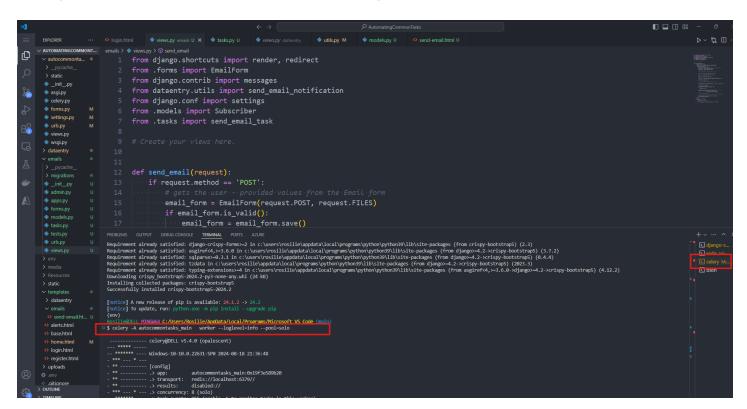
pip install -r requirements.txt
```

Alternatively, ensure you activate the correct environment based on the tasks you're performing in your project.

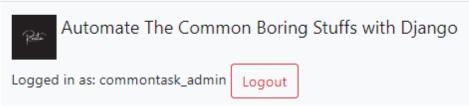
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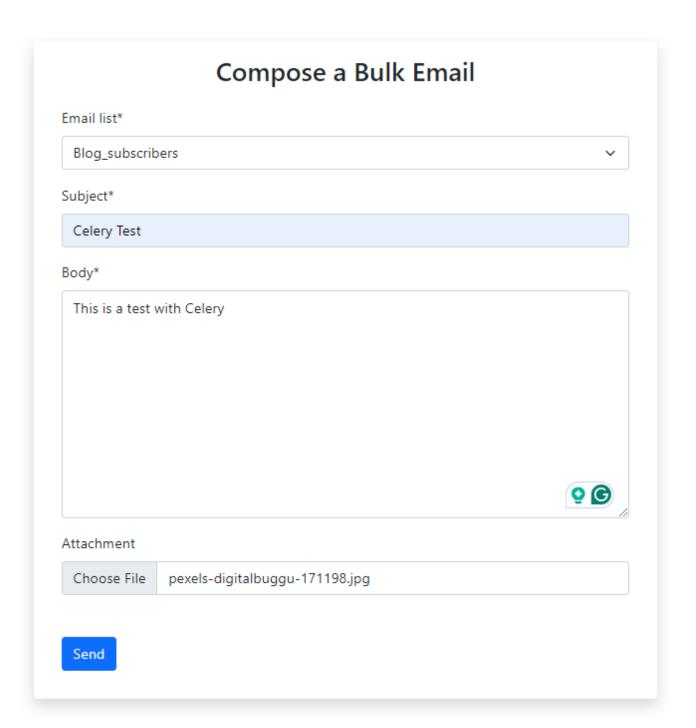
4 We run our celery command again:

\$ celery -A autocommontasks_main worker --loglevel=info --pool=solo

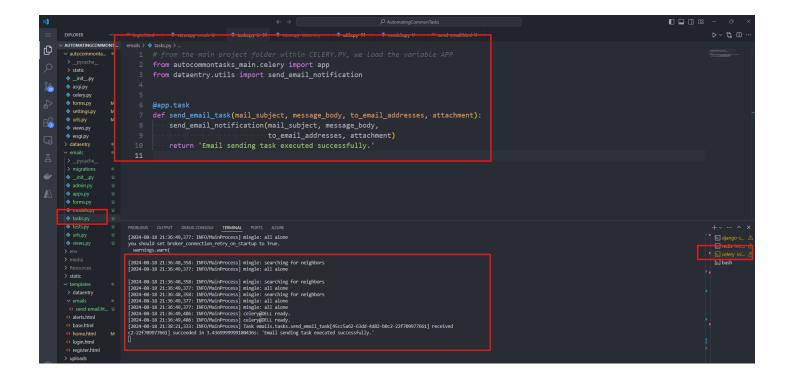








Our Celery terminal shows this:



5.

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