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

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

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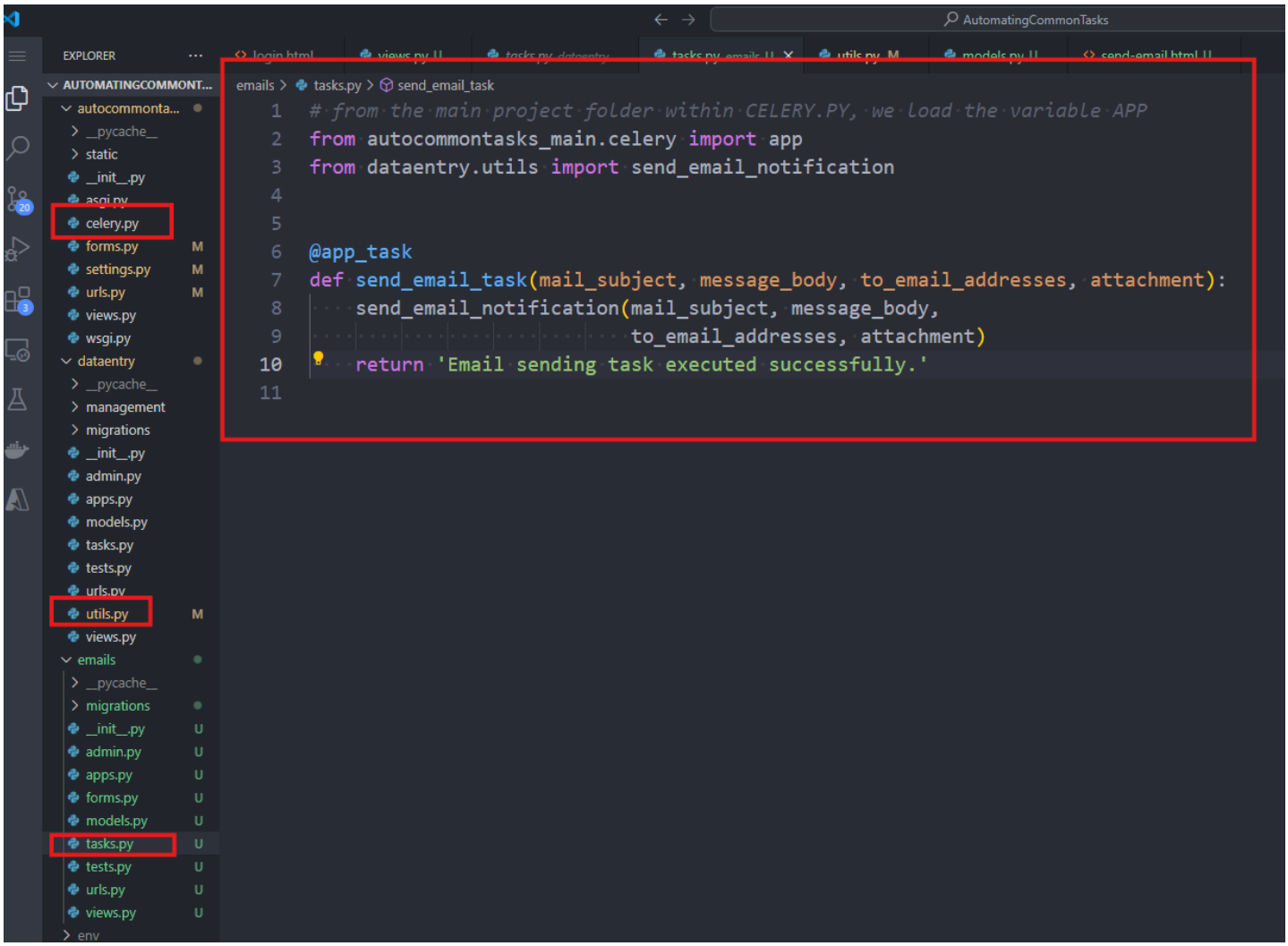
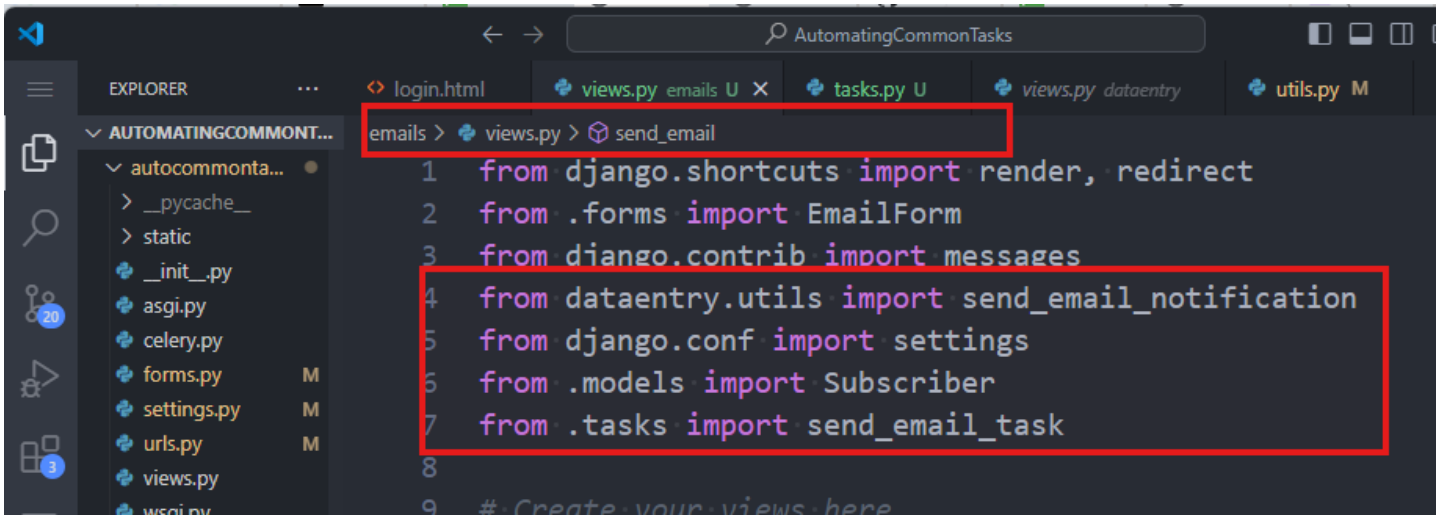
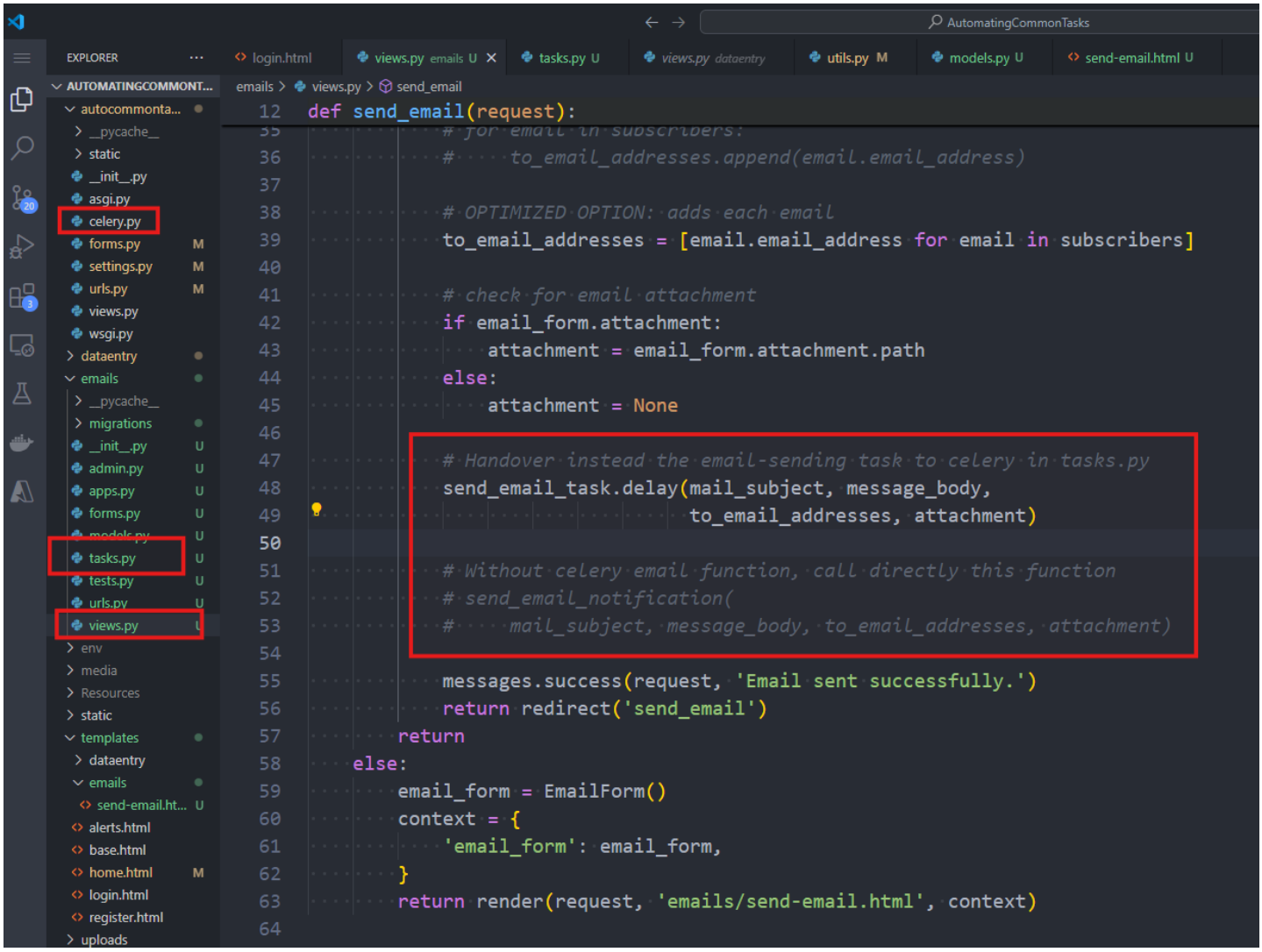
Sending bulk emails will take awhile especially if its thousands or millions of email addresses. To resolve this, we use CELERY again just like how we used it in DATAENTRY to import or export large data.

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

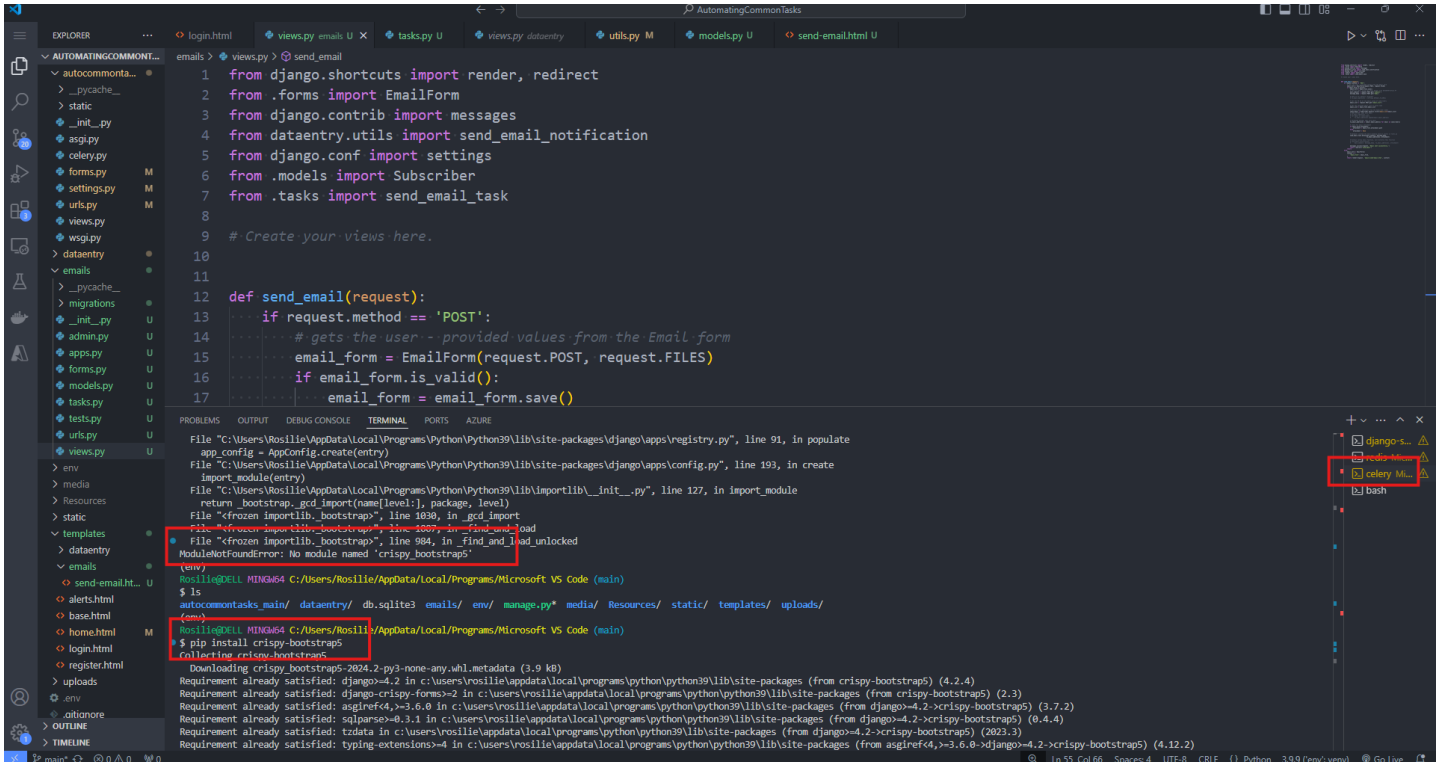


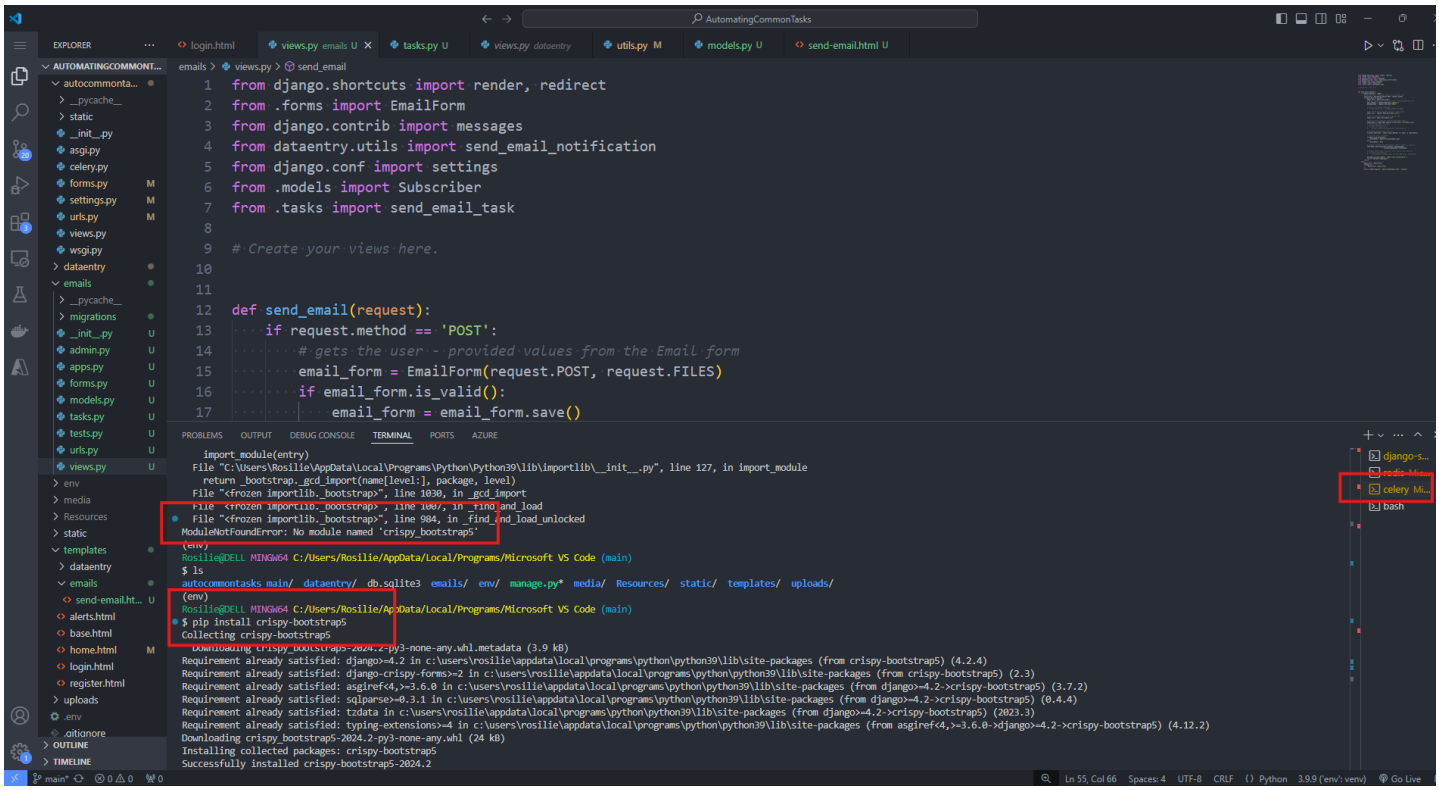
2. Update our EMAILS\VIEWS.PY to call the celery function in EMAILS\VIEWS.PY





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





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:

bash — Copy code

```
pip freeze > requirements.txt
```

2. **Install the same requirements** in the other environment:

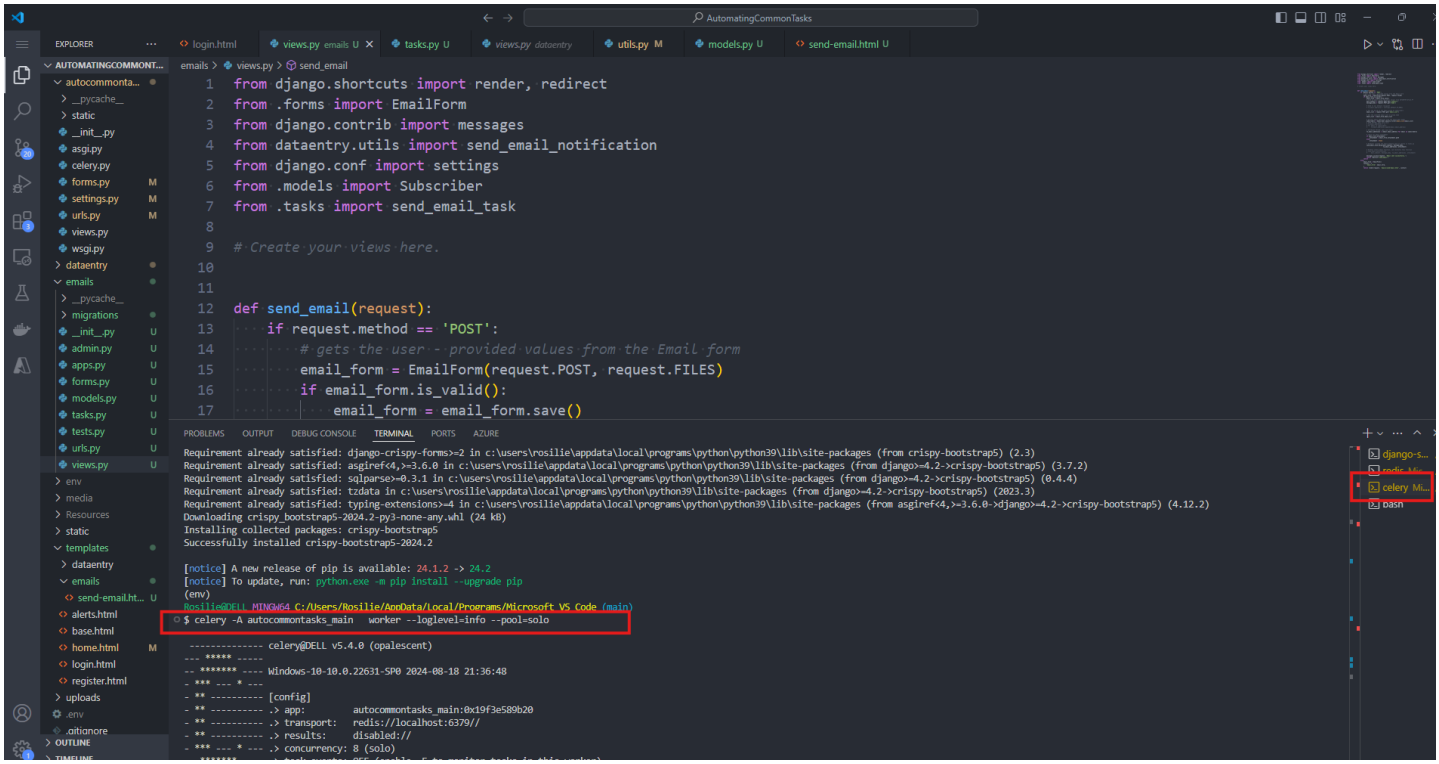
bash — Copy code

```
pip install -r requirements.txt
```

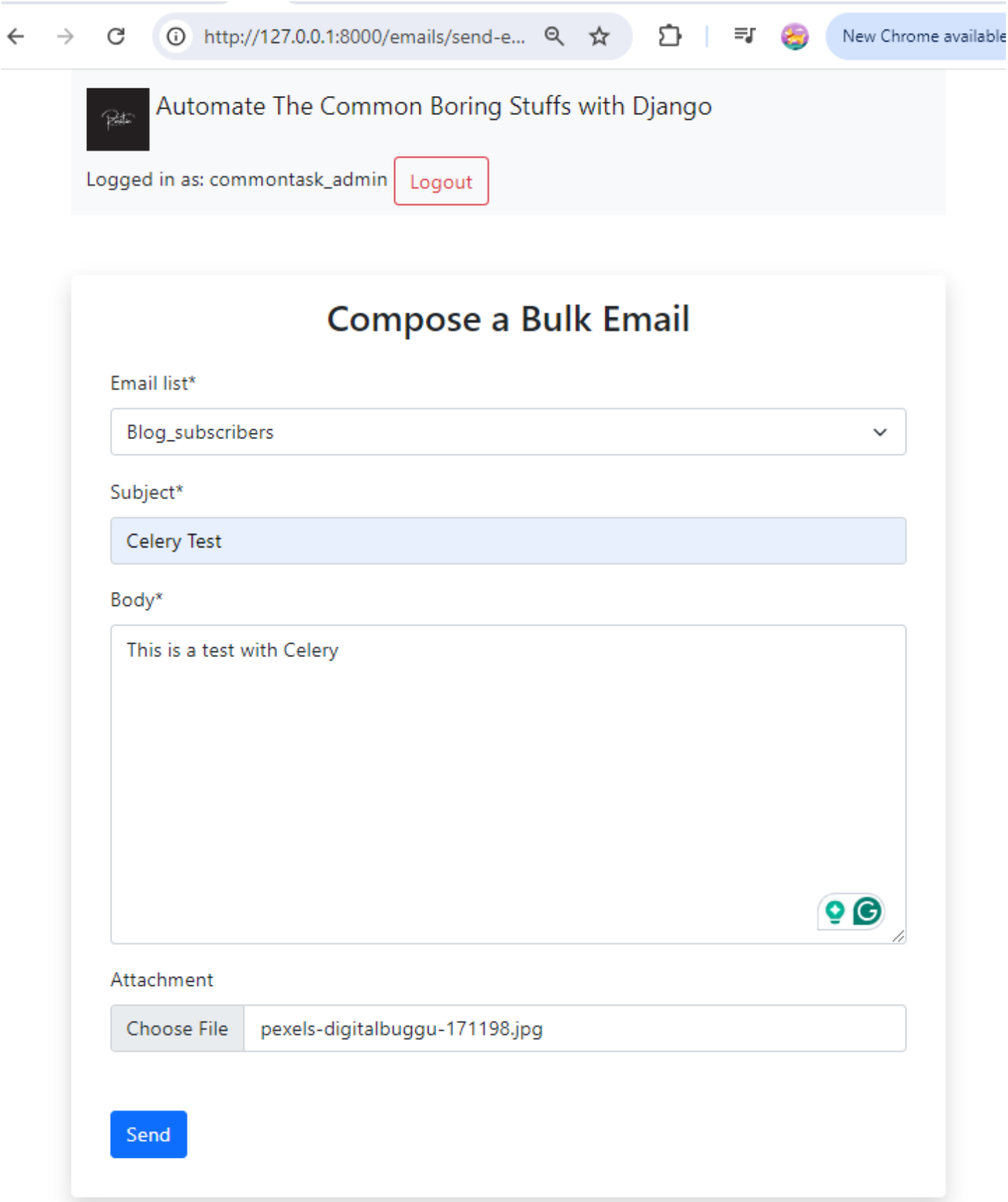
Alternatively, ensure you activate the correct environment based on the tasks you're performing in your project.

4 We run our celery command again:

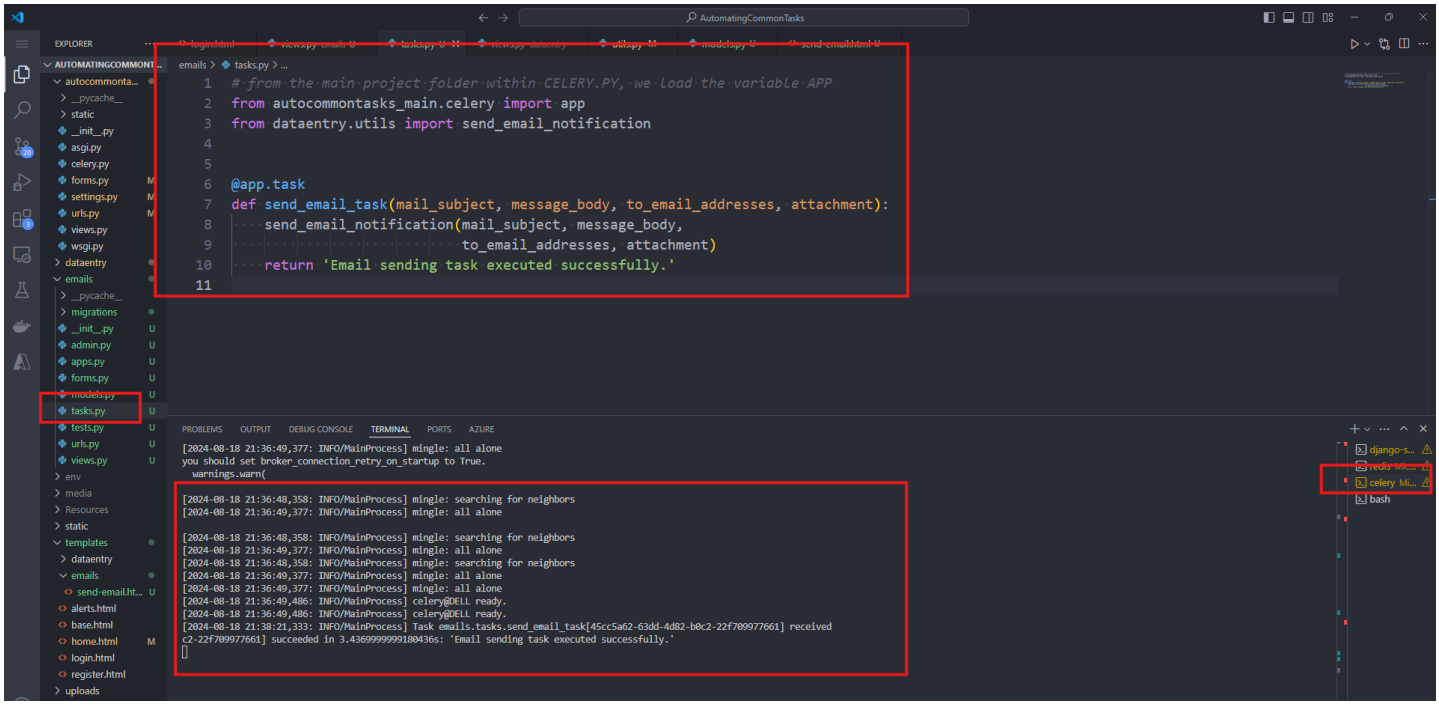
```
$ celery -A autocommontasks_main   worker --loglevel=info --pool=solo
```



We load our URL link: `http://127.0.0.1:8000/emails/send-email/`



Our Celery terminal shows this:



5.
