

Django Loggers, Email

Loggers

```
import logging
```

A logger is the entry point into the logging system. Each logger is a named bucket to which messages can be written for processing.

A logger is configured to have a *log level*. This log level describes the severity of the messages that the logger will handle. Python defines the following log levels:

- **DEBUG**: Low level system information for debugging purposes
- **INFO**: General system information
- **WARNING**: Information describing a minor problem that has occurred.
- **ERROR**: Information describing a major problem that has occurred.
- **CRITICAL**: Information describing a critical problem that has occurred.

```
logger = logging.getLogger(__name__)
```

```
logger.error('Something went wrong!')
```

EMAILS

Django allows us to send emails

```
from django.core.mail import send_mail
```

```
send_mail(  
'Subject here',
```

```
'Here is the message.',
```

```
'from@example.com',
```

```
['to@example.com'],
```

```
fail_silently=False,
```

```
)
```

Mail is sent using the SMTP host and port specified in the *EMAIL_HOST* and *EMAIL_PORT* settings. The *EMAIL_HOST_USER* and *EMAIL_HOST_PASSWORD* settings, if set, are used to authenticate to the SMTP server, and the *EMAIL_USE_TLS* and *EMAIL_USE_SSL* settings control whether a secure connection is used.

We can also use the EmailMessage Class

```
from django.core.mail import EmailMessage

email = EmailMessage( 'Hello',

'Body goes here',
'from@example.com',
['to1@example.com', 'to2@example.com'],

['bcc@example.com'],

reply_to=['another@example.com'],

headers={'Message-ID': 'foo'},

)
```

When we use EmailMessage Class we need to call send() to actually send the data.

ALL THESE VALUES CAN BE RETRIEVED FROM SETTINGS.PY

- host: *EMAIL_HOST*
- port: *EMAIL_PORT*
- username: *EMAIL_HOST_USER*
- password: *EMAIL_HOST_PASSWORD*
- • use_tls: *EMAIL_USE_TLS*
 - use_ssl: *EMAIL_USE_SSL*
 - timeout: *EMAIL_TIMEOUT*
- ssl_keyfile: *EMAIL_SSL_KEYFILE*
- ssl_certfile: *EMAIL_SSL_CERTFILE*

However the problem with this is that this type of mailing is synchronous. Use celery to make it async.