

# TRAINING DAY10 REPORT

04 JULY 2025

## WHAT ARE DJANGO MESSAGES?

Django messages are **one-time notifications** stored in the session or cookies and rendered to the user on the next page.

- Send messages from **views**
- Display them in **templates**
- Use different **message levels** (info, success, warning, error, etc.)

Enabling Messages (Default Setup)

```
INSTALLED_APPS = [  
    ...  
    'django.contrib.messages',  
]  
  
MIDDLEWARE = [  
    ...  
    'django.contrib.sessions.middleware.SessionMiddleware',  
    'django.contrib.messages.middleware.MessageMiddleware',  
]  
  
TEMPLATES = [  
    {  
        ...  
        'OPTIONS': {  
            'context_processors': [  
                ...  
                'django.contrib.messages.context_processors.messages',  
            ],  
        },  
    },  
]
```

## Import and Use Messages in Views

```
blogapi > blog > 🐍 views.py > ...
1  from django.shortcuts import render
2  from .models import Product
3  from django.contrib import messages
4
```

## Message Types

```
messages.debug(request, "This is a debug message.")
messages.info(request, "This is an info message.")
messages.success(request, "Operation successful.")
messages.warning(request, "This is a warning.")
messages.error(request, "An error occurred.")
```

## Example in a Login View

```
blogapi > blog > 🐍 views.py > ...
1  from django.contrib import messages
2  from django.shortcuts import redirect, render
3
4  def login_view(request):
5      if request.method == 'POST':
6          if valid_user():
7              messages.success(request, "Login successful!")
8              return redirect('dashboard')
9          else:
10             messages.error(request, "Invalid username or password.")
11             return render(request, 'login.html')
12
13
```

## Displaying Messages in Templates

In base.html or any template:

```

8  <body>
9      <h1>Welcome to Django!</h1>
10
11     {% if messages %}
12         {% for message in messages %}
13             <div class="alert alert-{{ message.tags }}">
14                 {{ message }}
15             </div>
16         {% endfor %}
17     {% endif %}
18
19

```

## Message Levels & Tags

Level	Function	Default Tag
DEBUG	messages.debug()	debug
INFO	messages.info()	info
SUCCESS	messages.success()	success
WARNING	messages.warning()	warning
ERROR	messages.error()	error

## LOGOUT AUTHENTICATION

### Views:

```

15
16  def logout(request):
17      request.session.flush()
18      messages.success(request, "Logout Successful")
19      return redirect('login')
20

```

## Urls setup:

```
blogapi > blog > 🐍 urls.py > ...
1  from django.urls import path
2  from .views import logout
3
4  urlpatterns = [
5      path('logout/', logout, name='logout'),
6  ]
7
```

## Template: Logout Link

```
{% if user.is_authenticated %}
    <a href="{% url 'logout' %}" class="btn btn-outline-danger">Logout</a>
{% endif %}
```