

Django Reusable Applications

User Authentication

Step 1: Installation

To install the package and use it in your project, run the command below in your project environment.

```
python3 -m pip install /path/to_file/django-user-auth-0.1.tar.gz
```

replace with the path to the file

Step 2: Add user_auth to your INSTALLED_APPS setting

In your settings.py file, add "user_auth" to your INSTALLED_APPS setting like this:

```
INSTALLED_APPS = [ ... 'user_auth',]
```

Step 3: Update settings

Add the following to your settings file to use user_auth:

```
AUTH_USER_MODEL = 'user_auth.MyUser'
```

```
AUTHENTICATION_BACKENDS = [  
    'user_auth.backends.MyUserBackend',  
]
```

Step 4: Set up static and media files

In your settings.py file, add the following lines to setup the project to find static and media files:

```
STATIC_URL = 'static/'  
MEDIA_URL = 'media/'  
STATIC_ROOT = os.path.join(BASE_DIR, 'staticfiles')  
MEDIA_ROOT = os.path.join(BASE_DIR, 'media')
```

Step 5: Add email provider settings

Add an email provider settings for password reset in your settings.py file. The email settings may differ with providers, so look it up.

```
EMAIL_BACKEND = 'django.core.mail.backends.smtp.EmailBackend'  
EMAIL_HOST = "  
EMAIL_PORT = "  
EMAIL_HOST_USER = "
```

```
EMAIL_HOST_PASSWORD = "  
EMAIL_USE_TLS = True
```

OR, for testing purposes, use Django's console email backend, which displays the password reset email in the console:

Copy code

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

Step 6: Include user_auth URLconf in your project urls.py

In your urls.py file, include the user_auth URLconf like this:

```
from django.urls import path, include  
  
urlpatterns = [  
    ... ,  
    path('user_auth/', include('user_auth.urls')),  
    ... ,  
]
```

Make sure to set up static and media files routing as shown below:

```
from django.conf import settings  
from django.conf.urls.static import static  
  
urlpatterns += static(settings.MEDIA_URL, document_root=settings.MEDIA_ROOT)  
urlpatterns += static(settings.STATIC_URL, document_root=settings.STATIC_ROOT)
```

Step 7: Run migrations

Run the command `python manage.py migrate` to create the user_auth models.

Step 8: Start the development server

Start the development server and visit http://127.0.0.1:8000/user_auth to log in or sign up

Chat Application