

# Django – User Authentication

**Example 1: Allow only logged in users to add posts. Also, modification of the post(edit/delete) is permissible to existing user.**

## Modify Settings

mysite/settings.py

```
# Add these lines at the end
LOGIN_REDIRECT_URL = 'viewblogs'
LOGOUT_REDIRECT_URL = 'home'
```

mysite/urls.py

```
urlpatterns = [
    path('admin/', admin.site.urls),
    path('', TemplateView.as_view(template_name='home.html'), name = "home"),
    path('blog/', include('blog.urls')),
    path('accounts/', include('django.contrib.auth.urls')),
]
```

## Templates

accounts/registration/login.html

```
<h2>Login</h2>
<div class="form-group">
  <form method="post">
    {% csrf_token %}
    {{ form.as_table }}
    <br>
    <button type="submit" class="btn btn-success">Login</button>
  </form>
</div>
```

blog/templates/base.html

```
{% load static %}
<html>
<head>
  <title>My Shopping Blog</title>
  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css">
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
  <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.3/umd/popper.min.js"></script>
  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js"></script>
  <link href="//fonts.googleapis.com/css?family=Lobster&subset=latin,latin-ext" rel="stylesheet"
type='text/css'>
  <link rel="stylesheet" href="{% static 'css/base.css' %}">
</head>
<body>
<div class="content container">
  <div class="page-header">
```

```

<h1>My Shopping Blog</h1>
<div>
    <a href="/blog">Home</a> | {% if user.is_authenticated %}<a href="{% url 'post_new' %}"> Add new
post</a> | <a href="{% url 'logout' %}">logout</a>{% else %}<a href="{% url 'login' %}">Login</a>
    {% endif %}
</div>
</div>
{% block content %}
{% endblock content %}
</div>
</body>
</html>

```

## blog/templates/post\_detail.html

```

{% extends 'base.html' %}
{% block content %}
<div class="content container">
    <div class="row">
        <div class="col-md-8">
            <div class="post">
                <div class="date">
                    {{ post.published_date }} | {{ post.author }} | {{ post.created_date }}
                </div>
                <h2>{{ post.title }}</h2>
                <p>{{ post.text|linebreaksbr }}</p>
            </div>
            {% if user.is_authenticated and user == post.author %}
            <form action="{% url 'post_delete' post.pk %}" method="post">{% csrf_token %}
                <a href="{% url 'post_edit' post.pk %}" class="btn btn-outline-primary btn-sm">Edit</a> |
            <input
                type="submit" value="Delete" class="btn btn-outline-primary btn-sm">
            </form>
            {% endif %}
        </div>
    </div>
</div>

{% endblock %}

```

## Example 2: Adding a signup form

mysite/settings.py

```

INSTALLED_APPS = [
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    'blog',
    'accounts',

```

]

## mysite/urls.py

```
urlpatterns = [
    path('admin/', admin.site.urls),
    path('', TemplateView.as_view(template_name='home.html'), name = "home"),
    path('blog/', include('blog.urls')),
    path('accounts/', include('django.contrib.auth.urls')),
    path('accounts/', include('accounts.urls')),
]
```

## accounts/urls.py

```
from django.urls import path
from . import views

urlpatterns = [
    path('signup/', views.SignUpView.as_view(), name='signup'),
]
```

## accounts/views.py

```
from django.contrib.auth.forms import UserCreationForm
from django.urls import reverse_lazy
from django.views import generic

class SignUpView(generic.CreateView):
    form_class = UserCreationForm
    success_url = reverse_lazy('login')
    template_name = 'signup.html'
```

## templates/signup.html

```
{% extends 'base.html' %}
{% block content %}
<h2>Sign up</h2>
<form method="post">
    {% csrf_token %}
    {{ form.as_p }}
    <button type="submit">Sign up</button>
</form>
{% endblock %}
```