

## Lab 15

### Add a Comment on an Article on the Web site

This exercise is an extension of the lab 6 lab exercise which covered a one to many relationships between Article and Comment. A comment could be added about an article but only in **Django Admin**. Here we extend the project so that a user can post a comment on the actual website.

You will need to have a working version of lab 6 in order to do this exercise.

#### Step 1: Do not allow a user to comment on an article they have written

On the article list page, we see the list of articles and the authors. In the output below the username is only allowed to comment on articles that they have **not** written. The username pmagee is logged in and can only post a comment on one of the three articles:

**Newspaper** [+ New](#)

Ukrainian refugees to remain in Kerry · by pmagee | Oct. 12, 2022, 1:18 p.m.

A group of 135 Ukrainian women and children who were told they would be safe in Ireland. An agreement was reached following discussions between Minister for Children and Equality, Frances Ruane and the Ukrainian Ambassador to Ireland, Oksana Markovych.

[Edit](#) | [Delete](#) |

testuser · This is my first comment

testuser22 · Sad News

Ireland on alert · by pmagee | Oct. 12, 2022, 1:59 p.m.

Chipmaker Intel is planning a major reduction in headcount, likely numbering in the thousands, reportedly citing people with knowledge of the situation. The layoffs will be an across-the-board group, could see cuts affecting about 20% of staff, according to the report.

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testuser22 · Not good news

testuser22 · Intel bad news

Donohoe warns of challenging times ahead as he is re-elected to Eurogroup · by pmagee | Oct. 12, 2022, 2:05 p.m.

Paschal Donohoe has been unanimously re-elected president of the Eurogroup for a second term. He warned of "challenging economic times" ahead. "I am very privileged that all ministers decided to support me in this role during these challenging economic times with faltering growth and high inflation due to the war in Ukraine."

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To implement this check, add the following code to **article\_list.html**:

```
12 <p>{{ article.body }}</p>
13 <a href="{% url 'article_edit' article.pk %}">Edit</a> |
14 <a href="{% url 'article_delete' article.pk %}">Delete</a> |
15 {% if user.id != article.author_id %}
16 <a href="{% url 'add_comment' article.pk %}">Post Comment</a>
17 {% endif %}
18 </div>
```

Add the following code to **articles/views.py**:

```
5 from .models import Article, Comment
6 from .forms import CommentForm
7 from django.shortcuts import get_object_or_404, render, redirect

47 def add_comment(request, pk):
48     article = get_object_or_404(Article, pk=pk)
49     form = CommentForm(request.POST)
50     if form.is_valid():
51         author = request.user
52         comment = form.cleaned_data['comment']
53         commentObject = Comment(article=article, comment=comment, author=author)
54         commentObject.save()
55
56         return redirect('article_list')
57
58     form = CommentForm()
59     context = {
60         "article":article,
61         "form":form
62     }
63
64     return render(request, 'comment_new.html',context)
```

Create a **forms.py** file inside the **articles** app and add in the following code:

```
articles > forms.py > ...
1 from .models import Comment
2 from django import forms
3
4
5 class CommentForm(forms.ModelForm):
6     class Meta:
7         model = Comment
8         fields = ["comment"]
```

Inside the **templates** folder, create a new file called **comment\_new.html** and copy-paste the following code:

```
{% extends 'base.html' %}
{% load crispy_forms_tags %}
{% block content %}
<div class="article-entry">
  <h2>{{ article.title }}</h2>
  <p>by {{ article.author }} | {{ article.date }}</p>
  <p>{{ article.body }}</p>
</div>
<h1>New Comment</h1>
<form action="" method="post">{% csrf_token %}
  {{ form|crispy }}
  <button class="btn btn-success ml-2" type="submit">Save</button>
</form>
{% endblock content %}
```

Open the **articles/urls.py** file and add in the following code:

```
articles > urls.py > ...
1  from django.urls import path
2
3  from .views import (
4      ArticleListView,
5      ArticleUpdateView,
6      ArticleDetailView,
7      ArticleDeleteView,
8      ArticleCreateView,
9      add_comment,
10 )
11
12
13 urlpatterns = [
14     path('newcomment/<int:pk>/', add_comment, name='add_comment' ),
15     path('<int:pk>/edit/', ArticleUpdateView.as_view(), name='article_edit'),
16     path('<int:pk>/', ArticleDetailView.as_view(), name='article_detail')
```

Save the project and run the server and try to post a comment. In the output below when the **Post Comment** link is clicked the article details are displayed at the top of the page followed by the comment form:

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pmagee ▾

## Donohoe warns of challenging times ahead as he is re-elected to Eurogroup

by testuser22 | Dec. 5, 2022, 8:39 p.m.

Paschal Donohoe has been unanimously re-elected president of the Eurogroup by his fellow finance ministers of the euro area, as he warned the currency zone faces "difficult times" ahead. "I am very privileged that all ministers decided to support me in the work that awaits the Eurogroup," Mr Donohoe said, telling reporters that the euro zone faces challenging economic times with faltering growth and high inflation due to the fallout of Russia's invasion of Ukraine.

### New Comment

Comment\*

Save

In order to see the comment you need to add the following code to the `article_list` page:

```
16         {% if user.id != article.author_id %}
17         <a href = "{% url 'add_comment' article.pk %}">Post Comment</a>
18         {% endif %}
19     </div>
20     <div class="card-footer">
21         {% for comment in article.comments.all %}
22         <p>
23             <span class="font-weight-bold">{{ comment.author }} &middot;</span>
24             {{ comment }}
25         </p>
26         {% endfor %}
27     </div>
28 </div>
29 <br />
30 {% endfor %}
31 {% endblock content %}
```

Reload the article list page and you will see the comment at the bottom of the article:

Donohoe warns of challenging times ahead as he is re-elected to Eurogroup · by testuser22 | Dec. 5, 2022, 8:39 p.m.

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pmagee · Not good news

Stop the server and run the following git commands to update the local and remote repositories:

```
git add -A
```

```
git commit -m "lab 6 Add a Comment commit"
```

```
git push -u origin main
```