

Django. How to make comments? - The simplest example. CSRF verification failed

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★
- I want to create a very simple website, where everyone can post a poem, and everyone can comment other poems. So: one poem on the template, and lots of comments. I know, that there is Django-disqus - framework using to comment, but I'm new in Django so I want to learn step by step and Django-disqus is too difficult for me at the time. I'm trying do it this way, just for a training:

models.py:

```
from django.db import models

class Poem(models.Model):
    title = models.CharField(max_length = 200)
    text = models.TextField()
    like = models.IntegerField(default = 0)

    def __str__(self):
        return self.title

class Comment(models.Model):
    title = models.CharField(max_length = 200)
    text = models.TextField()
    nick = models.CharField(max_length= 100)
    poem = models.ForeignKey(Poem, null=True)
```

views.py:

```
from django.core.context_processors import csrf
from django.http import HttpResponseRedirect

from poems.models import Poem, Comment

def comment(request, poem_id):
    if poem_id:
        if request.method == 'POST':
            title = request.POST.get('title')
            text_of_comment = request.POST.get('text_of_comment')
            nick = request.POST.get('nick')
            comment = Comment.objects.create(title = title, text =
text_of_comment, nick = nick, poem = Poem.objects.get(id=poem_id))
            comment.save()
            comments = Poem.objects.get(id = poem_id)
            all_comments = comments.comment_set.all()
            args = {}
            args.update(csrf(request))
            args['all_comments'] = all_comments
            return HttpResponseRedirect('/poems/get/%s' % poem_id, args)
        else:
            comments = Poem.objects.get(id = poem_id)
            all_comments = comments.comment_set.all()
            args = {}
            args.update(csrf(request))
            args['all_comments'] = all_comments
            return HttpResponseRedirect('/poems/get/%s' % poem_id, args)
```

poems.html:

```
{% extends "base.html" %}

{% block sidebar %}
    <ul>
        <li><a href="{% url 'poems.views.poems' %}">Poems</a></li>
    </ul>
{% endblock %}

{% block content %}

<h2>{{ poem.title }}</h2>
<p>{{ poem.text }}</p>
<p>{{ poem.like }} person likes this poem.</p>

<a href="/poems/like/{{ poem.id }}" class="btn btn-success btn-large active"><i
class="icon-white icon-heart"></i> Like it!</a>


<form method="post" action="/poems/comment/{{ poem.id }}/{% csrf_token %}

    <label for="title">Title</label>
    <p><input type="text" name="title" id="title"></p>
    <label for="text">Comment</label>
    <p><textarea id="text" name="text_of_comment" rows="7" cols="50"></textarea>
</p>
    <label for="nick">Nick</label>
    <p><input id="nick" name="nick" type="text"></p>
    <input type="submit" class="btn btn-success btn-large" value="OK"/>

</form>
{% for comment in all_comments %}
    <h5>{{ comment.title }}</h5>
    <p>{{ comment.text }}</p>
    <p>{{ comment.nick }}</p>
{% endfor %}

{% endblock %}
```

First of all: When I runserver and post a comment, it returns:

Forbidden (403)

CSRF verification failed. Request aborted.

I don't understand why, cause all of my other functions and templates are build the same way and works correctly. What I'm doing wrong?

Second: Is my way of using ForeignKey() in the comment() function correct? Is that good way to create comments under a poem? How do you guys solve that problem?

Thanx for anwsers :)

python django comments
foreign-key-relationship django-csrf

asked Jul 11 '14 at 9:47



bartekch

130 ● 11

Did you remember to import the
CSRF? `from`
`django.core.context_processors`
`import csrf` – [Deepend](#) Jul 11 '14
at 10:05

just a suggestion use NoSQL instead
of RDBMS for storing comments and
poems its perfect for this kind of
scenarios. – [Sar009](#) Jul 11 '14 at
13:28

@Deepend Yes, I remember that. –
[bartekch](#) Jul 12 '14 at 13:49

@Sar009 I know that RDBMS is not
effective in some scenarios, but that
project just for practice. Thanx. –
[bartekch](#) Jul 12 '14 at 13:55

2 Answers



1

You can try to delete your all cookies
to solve your CSRF problem (I had
the same in the past and works after
delete my cookies)

About your models is ok if you don't
have nested comments.

You didn't ask but I will give you an
advice for your code, use reverse for
URL's, because someday if you
change something, you will have to
fix everywhere...

[https://docs.djangoproject.com/en/de
v/topics/http/urls/#reverse-resolution-
of-urls](https://docs.djangoproject.com/en/dev/topics/http/urls/#reverse-resolution-of-urls)

answered Jul 11 '14 at 10:02



Lara

774 ● 1 ● 12 ● 33

+1 about usage of reverse for URL! I
also advise you to use [Form](#) , you
code will be much more nicer as well!
– [trnsnt](#) Jul 11 '14 at 10:07

@Lara I deleted cookies. It returns the
same Error, but with different reason:
Reason given for failure: CSRF cookie
not set. previously: CSRF token
missing or incorrect. I don't know what
does it mean.. Thank you for advice
about usage of reverse URL's, I will
probably face URL's problems soon. –
[bartekch](#) Jul 12 '14 at 13:35

@trnsnt Thanx. Form is my next



The answer is:

0

The comment() function redirect to another function:



```
`return HttpResponseRedirect('
```

so function under that url:

```
'/poems/get/%s' % poem_id
```

should contain CSRF token.

Should look like this:

```
def poem(request, poem_id = 1):  
    args = {}  
    poem = Poem.objects.get(id =  
poem_id)  
    args['poem'] = poem  
    all_comments =  
poem.comment_set.all()  
    args['all_comments'] =  
all_comments  
    args.update(csrf(request))  
    return  
render_to_response('poems/poem.htm  
l', args)
```

now it works without Forbidden (403)
:)

[edited Aug 3 '14 at 22:44](#)

answered Aug 3 '14 at 22:38



[bartekch](#)

130 ● 11

