Django

Code

#24788 closed New feature (fixed)

<div align="right">
Opened 16 months ago
Closed 15 months ago
</div>

Allow Forms to set a default prefix attribute

Reported by:	kezabelle	Owned by:	pwmarcz
Component:	Forms	Version:	master
Severity:	Normal	Keywords:	
Cc:	django@...	Triage Stage:	Accepted
Has patch:	yes	Needs documentation:	yes
Needs tests:	no	Patch needs improvement:	no
Easy pickings:	no	UI/UX:	no
Pull Requests:	~~4707~~ merged		

Description

Example of what I'd like to be able to do:

```
from django import forms
class MyForm(forms.Form):
    field = ChoiceField(...)
    prefix = 'myform-is-awesome'

>>> form_itself = MyForm(data=request.GET, files=None)
>>> form_itself.prefix
'myform-is-awesome'
```

However this isn't currently workable, because self.prefix is always bound based on the argument given in the arguments, the default of which is `None`

By hoisting the prefix to be a class attribute, and then doing

```
if prefix is not None:
    self.prefix = prefix
```

it seems like forms which ship with apps could effectively namespace themselves such that N overlapping form fields could be POSTed at once and resolved to the correct form.

However, that's only a suggested use-case that hints at why it might be useful to have; the reason I specifically needed this was for validating whether a GET request was likely my filtering form, **before** instantiating and validating the data:

```
filtered_form = any(x.startswith(MyForm.prefix) for x in
request.GET.keys())
```

so that I can selectively reset session-saved filters only when a new filterset is done (before then saving validated submitted data back into the session).

My workaround ended up looking like:

```
class MyForm(forms.Form):
    prefix = 'woo'
    def __init__(self, *a, *kw):
        super(MyForm, self).__init__(*a, **kw)
        self.prefix = self.__class__.prefix
```

which seems a bit ... rubbish.

Change History (5)

Changed 16 months ago by timgraham (core developer)   comment:1

- **Needs documentation** unset
- **Needs tests** unset
- **Patch needs improvement** unset
- **Triage Stage** changed from *Unreviewed* to *Accepted*

Changed 15 months ago by pwmarcz   comment:2

- **Owner** changed from *nobody* to *pwmarcz*
- **Status** changed from *new* to *assigned*

Changed 15 months ago by pwmarcz   comment:3

- **Has patch** set

    https://github.com/django/django/pull/4707

Changed 15 months ago by timgraham (core developer)   comment:4

- **Needs documentation** set

Changed 15 months ago by Tim Graham <timograham@...>   comment:5

- **Resolution** set to *fixed*
- **Status** changed from *assigned* to *closed*

    In 4df7e848:

    Fixed ~~#24788~~ -- Allowed Forms to specify a prefix at the class level.

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