
MaterialDjango Documentation

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Polymer Paper-UI widgets and tools for Django.

1.1 Getting Started

1.1.1 Installation

- `pip install materialdjango`
- add materialdjango to your `INSTALLED_APPS` in `settings.py`
- re-run `manage.py collectstatic`

1.1.2 Features

```
<link rel="import" href="materialdjango/components/bower_components/paper-input/paper-  
↪input-container.html">
```

becomes `{{ "paper-input/paper-input-container.html" |dep }}`

We vendor polymer elements for import from `PolymerElements/paper-elements` and `PolymerElements/iron-elements`. Approximate versions specified in our `bower.json`. If you'd like another suite added to our vendoring file an issue on github.

We also ship widgets for use in Django forms.

1.1.3 Usage

```
{% load polymerdep %}  
<html>  
<head>  
<meta name="viewport" content="width=device-width, initial-scale=1.0">  
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
```

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```
{{polymer_shim}} # this belongs at the head of document
{{ "polymer/polymer.html" |dep}}
{{ "paper-input/paper-input-container.html" |dep}}
{{ "iron-input/iron-input.html" |dep}}
</head>
<body>
    {{form.as_p}}
</body>
```

in `app/forms.py`

```
from django import forms
from django.contrib.auth.forms import AuthenticationForm
from widgets import PaperTextInput, PaperPasswordInput

class PaperLoginForm(AuthenticationForm):
    username = forms.CharField(max_length=254, label='', widget=PaperTextInput)
    password = forms.CharField(label='', widget=PaperPasswordInput)
    def __init__(self, request, *args, **kwargs):
        super(PaperLoginForm, self).__init__(*args, **kwargs)
```

1.2 Forms

class PaperLoginForm

Subclass of Django's [AuthenticationForm](#). Uses [PaperTextInput](#) and [PaperPasswordInput](#) widgets.

mangle_form (*form*)

Utility to monkeypatch forms into PaperInputs. Currently untested.

1.3 Widgets

Each widget is a subclass of their respective `django.forms.widgets` classes (e.g., `materialdjango.PaperTextInput` is subclassed from `django.forms.widgets.TextInput`). For more information, see Django's [widgets documentation](#).

Note: While the following widgets are prefixed with **Paper**, they actually use `<iron-input>` styling for the moment, as `<paper-input>` styling doesn't work properly with `<form>` tags. This will be fixed eventually, and these will likely be renamed with **Iron** prefixes.

class PaperTextInput

Subclass of Django's [TextInput](#) with `<iron-input>` Material Design styling.

class PaperPasswordInput

Subclass of Django's [PasswordInput](#) widget with `<iron-input>` Material Design styling.

class PaperEmailInput

Subclass of Django's [EmailInput](#) widget with `<iron-input>` Material Design styling.

class PaperTextArea

Subclass of Django's [TextArea](#) widget with `<iron-input>` Material Design styling.

class PaperCheckboxInput

Subclass of Django's [CheckboxInput](#) widget with `<iron-input>` Material Design styling.

CHAPTER 2

Indices and tables

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