
Flask-CodeMirror Documentation

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Implementation of source code editor for **Flask** and **Flask-WTF** using **CodeMirror** Javascript library

CHAPTER 1

Installation

```
$ pip install flask-codemirror
```


CHAPTER 2

Basic Example

A simple example of how to use this module:

```
from flask_wtf import FlaskForm
from flask_codemirror.fields import CodeMirrorField
from wtforms.fields import SubmitField

class MyForm(FlaskForm):
    source_code = CodeMirrorField(language='python',
                                  config={'lineNumbers' : 'true'})
    submit = SubmitField('Submit')
```

The CodeMirrorField works exactly like a TextAreaField:

```
@app.route('/', methods = ['GET', 'POST'])
def index():
    form = MyForm()
    if form.validate_on_submit():
        text = form.source_code.data
    return render_template('index.html', form=form)
```

The module needs to be initialized in the usual way and can be configured using `app.config` keys:

```
from flask_codemirror import CodeMirror

SECRET_KEY = 'secret!'
# mandatory
CODEMIRROR_LANGUAGES = ['python', 'html']
# optional
CODEMIRROR_THEME = '3024-day'
CODEMIRROR_ADDONS = (
    ('display', 'placeholder'),
)
```

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```
app = Flask(__name__)
app.config.from_object(__name__)
codemirror = CodeMirror(app)
```

The config CODEMIRROR_LANGUAGES needs to be initialized to load JavaScript. It defined all the languages you want to edit with your fields. If the field is not defined a `CodeMirrorConfigException` will be raised.

The config CODEMIRROR_THEME is optional and is used to style your TextArea using css from [CodeMirror website](#).

The config CODEMIRROR_ADDONS is optional and can enable many cool options see [Codemirror Addons](#) for available addons.

Finally, the template needs the support Javascript code added, by calling `codemirror.include_codemirror()`

```
<html>
  <head>
    {{ codemirror.include_codemirror() }}
  </head>
  <body>
    <form method="POST">
      {{ form.source_code }}
    </form>
  </body>
</html>
```

The Javascript classes are imported from a CDN, there are no static files that need to be served by the application.

CHAPTER 3

API
