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# **flask-codemirror Documentation**

***Release v0.0.4***

March 04, 2015



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



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## Installation

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





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## Example

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A simple example of how to use this module

```
from flask.ext.wtf import form from flask.ext.codemirror.fields import CodeMirrorField from wt-
forms.fields import SubmitField

class MyForm(Form): 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.ext.codemirror import CodeMirror

# mandatory CODEMIRROR_LANGUAGES = ['python', 'html'] # optional CODEMIRROR_THEME
= '3024-day'

CODEMIRROR_ADDONS = ( ('ADDON_DIR', 'ADDON_NAME'),
)

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. The config *CODEMIRROR\_THEME* is optional and is used to style your TextArea using css from '**CodeMirror website**<http://codemirror.net/theme/>'. The config *CODEMIRROR\_ADDONS* is optional and can enable many cool options see '**Codemirror Addons**<http://codemirror.net/addon/>' 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.