

Sending data from HTML form to a Python script in Flask

Asked 7 years ago Active 5 months ago Viewed 159k times

I have the code below in my Python script:

```
53 def cmd_wui(argv, path_to_tx):
    """Run a web UI."""
    from flask import Flask, flash, jsonify, render_template, request
    import webbrowser
    app = Flask(__name__)

    @app.route('/tx/index/')
    def index():
        """Load start page where you select your project folder
        or load history projects from local DB."""
        from txclib import get_version
        txc_version = get_version()
        prj = project.Project(path_to_tx)

        # Let's create a resource list from our config file
        res_list = []
        prev_proj = ''
        for idx, res in enumerate(prj.get_resource_list()):
            hostname = prj.get_resource_host(res)
            username, password = prj.getset_host_credentials(hostname)
            return render_template('init.html', txc_version=txc_version,
                                username=username)

33
```

Also, I have an HTML form in init.html:

```
<form>
<input type="text" id="projectFilepath" size="40" placeholder="Spot your project
files">
<input type="button" id="spotButton" value="Spot">
</form>
```

How can I pass the user input from "projectFilepath" when a user clicks "spotButton" on a variable in my python script?

I'm new in Python and Flask, so forgive me if I make any mistakes.

python

html

forms

input

flask

edited Mar 31 '16 at 19:33



asher drummond

125 1 12

asked Jul 19 '12 at 8:37



Mpampinos Holmens

706 3 10 33

1 Your projectFilepath input needs to have a name attribute set - then you can access the value in request.args.value_of_name (or request.form.value_of_name if doing a POST request. – Sean Vieira Jul 21 '12 at 3:19

1 I wanted to call out the subtlety that you're using the id attribute on the <input> tag, whereas the answers

below use `name . name` is what you want, since that's what comes through as keys in `request.form`. – Trenton Oct 7 '17 at 4:51

2 Answers



100



The `form` tag needs two attributes set:

1. `action` : The URL that the form data is sent to on submit. Generate it with `url_for`. It can be omitted if the same URL handles showing the form and processing the data.
2. `method` : Whether to submit the data as a query string (GET) or form data (POST).

Add a view to handle the form data:

```
@app.route('/handle_data', methods=['POST'])
def handle_data():
    projectpath = request.form['projectFilepath']
    # your code
    # return a response
```

Set the form's `action` to that view's URL:

```
<form action="{{ url_for('handle_data') }}" method="post">
    <input type="text" name="projectFilepath">
    <input type="submit">
</form>
```

edited Nov 9 '17 at 21:00



davidism

71.3k 13 206 208

answered Jul 19 '12 at 17:35



codecool

3,545 2 22 33

you don't need post or url in form you can do it from javascript and change the url cause flask works with urls
– Mpampinos Holmens Jul 20 '12 at 11:21

@MpampinosHolmens Yes you can do it but still you have to write an url view which handles that post request! – codecool Jul 20 '12 at 11:25

4 `method` is actually optional - it defaults to `GET`. Otherwise, you are spot on. – Sean Vieira Jul 21 '12 at 3:18

@SeanVieira Did not know that! Thanks for the info :) – codecool Jul 22 '12 at 5:32

3 Being a noob (literally first day working on Flask), I didn't realize at first that one must do `from flask import Flask, request` – CodeFinity Nov 25 '18 at 0:59



55

`from flask import request`

```
@app.route('/addRegion', methods=['POST'])
def addRegion():
    ...
    return (request.form['projectFilePath'])

<form action="{{ url_for('addRegion') }}" method="post">
    Project file path: <input type="text" name="projectFilePath"><br>
    <input type="submit" value="Submit">
</form>
```

edited Mar 5 at 4:47

answered Jun 7 '15 at 23:52



Dawid Drozd

8,514 5 44 58