## 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:









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```
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)
```

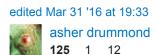
Also, I have an HTML form in init.html:

```
<form>
<input type="text" id="projectFilepath" size="40" placeholder="Spot your project</pre>
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.

```
forms
python
          html
                           input
                                    flask
```



asked Jul 19 '12 at 8:37



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

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

below use 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



The form tag needs two attributes set:

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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.



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 208 answered Jul 19 '12 at 17:35



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

- 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
- 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



You need a Flask view that will receive POST data and an HTML form that will send it.

55 from flask import request

edited Mar 5 at 4:47

answered Jun 7 '15 at 23:52



Dawid Drozd

**8,514** 5 44 58