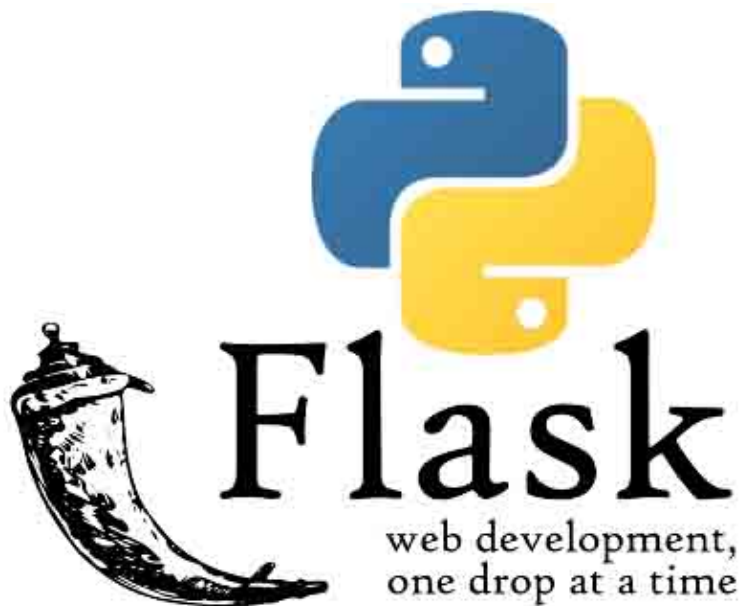


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[ PYTHON ]

# A SIMPLE FILE UPLOAD USING PYTHON'S FLASK FRAMEWORK

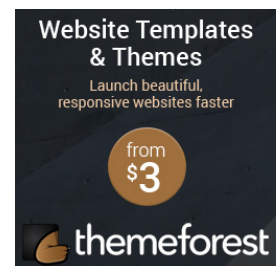
*December 29, 2017*

## What is Flask?

Flask is a micro web framework written using Python language, it uses Jinja for templating. Flask is very easy to get started with few lines of code.

## Installing Flask

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window and CD to the created folder, run the below

JAVASCRIPT Command to install the Flask web framework.

```
1 pip install Flask
```



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Writing code:



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## Специализация Data Scientist

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Create a folder called 'templates', then create a file

'fileform.html' inside the templates folder. Now, add the

front end HTML form to upload a file in 'fileform.html'.

```
1 <html>
2 <head>
3 <title>Simple file upload using Py
4 </head>
5 <body>
6 <form action="/handleUpload" metho
7 Choose the file: <input type="
8 <input type="submit" value
9 </form>
10 </body>
11 </html>
```

fileform.html hosted with ❤ by GitHub [view raw](#)

then, create the python file 'app.py' inside the root

folder of your app. Add the below lines of code to import

the required modules.

```
1 import os
2 from flask import Flask, request, render_tem
3
4 Initialize the app by adding:
5
6 app = Flask(__name__)
7
8 Add the below line to create the home page r
9
10 @app.route("/")
11 def fileFrontPage():
12 return render_template('fileform.html')
```

this will load the created fileform.html, when you hit the

home page, and add the below code to run the app.

```
1 if __name__ == '__main__':
2 app.run()
```

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hit this URL, it will show the homepage with a simple file upload form.

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### The Backend part:

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Let's write the code to handle the upload by creating one more route.

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```
1 @app.route("/handleUpload", methods=['POST'])
```

this line of code is creating a route with path “/handleUpload” with acceptable HTTP method as POST. Add the below code to handle the file upload.

```
1 def handleFileUpload():
2     if 'photo' in request.files:
3         photo = request.files['photo']
4         if photo.filename != '':
5             photo.save(os.path.join('C:/Users
6 return redirect(url_for('fileFrontPage'))
```

Now, restart the server, and try to upload a file. The file will be uploaded into “C:/Users/Public/Pictures”.

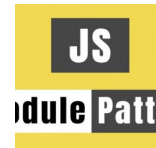
### Complete app.py code:

```
1 import os
2 from flask import Flask, request, render_t
3
4 app = Flask(__name__)
5
6 @app.route("/")
7 def fileFrontPage():
8     return render_template('fileform.html')
9
10 @app.route("/handleUpload", methods=['POST'])
11 def handleFileUpload():
12     if 'photo' in request.files:
13         photo = request.files['photo']
14         if photo.filename != '':
15             photo.save(os.path.join('C:/Us
16 return redirect(url_for('fileFrontPage
17
18 if __name__ == '__main__':
19     app.run()
```

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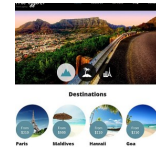
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Note: This is a very simple code to get started with file upload using Flask. In real case, it requires



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