



Upload Multiple files with Flask

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In online apps, uploading files is a common task. Simple HTML forms with encryption set to multipart/form information are all that is required to publish a file into a URL when using Flask for file upload. The file is obtained from the request object by the server-side flask script using the request. In this article, we will look at how to upload multiple files with [Python](#). It allows the user to select multiple files at once and upload all files to the server. Before proceeding, Install the [Flask](#) by writing the command in the terminal:

```
pip install flask
```

Stepwise Implementation

Step 1: Create a new project folder **Upload**. Inside this folder create **main.py**, and create folder **templates**.

Step 2: Create a simple HTML page **index.html** to select multiple files and submit them to upload files on the server. Here, the HTML file contains a form to select and upload files using the POST method. The **enctype** attribute plays an important role here. It specifies how the form data should be encoded when submitting it to the server. we are uploading files that's why we should set the attribute value to **multipart/form-data**.

HTML

```
<html>
<head>
  <title>Upload Multiple files : GFG</title>
</head>
<body>
  <form action = "/upload" method="POST" enctype="multipart/form-data">
    <input type="file" name="file" multiple />
    <input type = "submit" value="Upload">
  </form>
```

```
</body>  
</html>
```

Step 3: Now inside the **main.py**. Here the list of the file object is collected and then we will save the uploaded files one by one to the root directory using the loop and `file.save()` function.

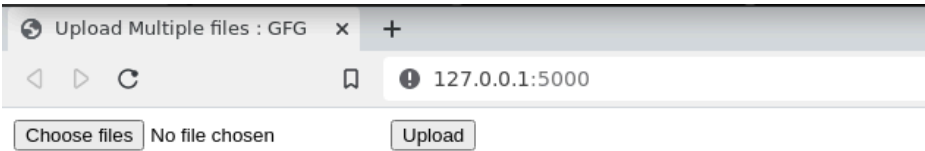
Python3

```
from flask import *  
app = Flask(__name__)  
  
@app.route('/')  
def main():  
    return render_template("index.html")  
  
@app.route('/upload', methods=['POST'])  
def upload():  
    if request.method == 'POST':  
  
        # Get the list of files from webpage  
        files = request.files.getlist("file")  
  
        # Iterate for each file in the files List, and Save them  
        for file in files:  
            file.save(file.filename)  
        return "<h1>Files Uploaded Successfully.</h1>"  
  
if __name__ == '__main__':  
    app.run(debug=True)
```

Output:

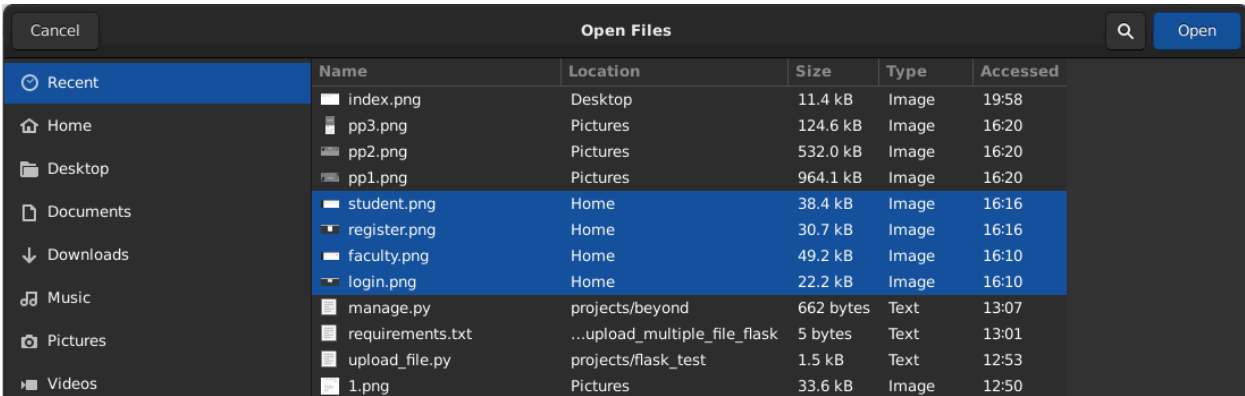
Run the following command in Terminal

```
python main.py
```



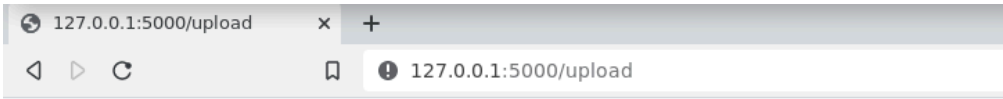
Index Page

Select multiple files from your folder.



Select Multiple Images

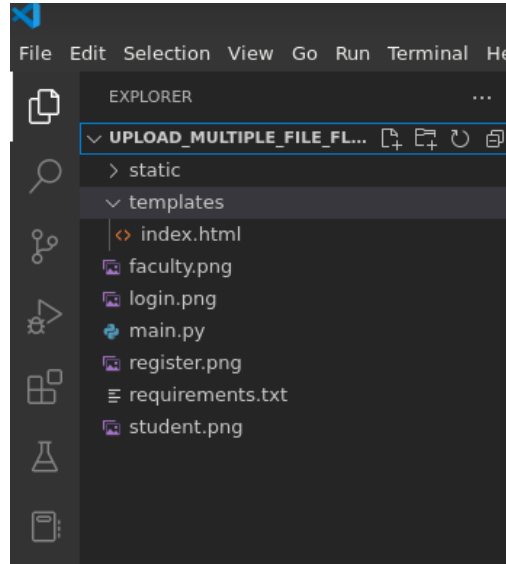
After submitting, a Success message will displayed.



Files Uploaded Successfully.!

Files Uploaded

Here we can see that four *.png images are uploaded to the root directory of a project.



Verification



shaik...



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