

```
export EDITOR="emacs -nw"
```

```
*  
*/  
!.gitignore
```

Create folder media

Suppose icanupload in base directory then the address where media folder will be

```
icanupload >  
    >icanupload  
    >media  
    >templates  
    >static
```

Set media url and media root in setting.py

```
MEDIA_URL = '/media/'  
MEDIA_ROOT = os.path.join(BASE_DIR, 'media')
```

In Html

```
<form action="{% url 'upload' %}" method="post" enctype="multipart/form-data">  
    {% csrf_token %}  
    <input type="file" name="myfile">  
    <button type="submit">Upload</button>  
</form>
```

In Url

```
url(r'^upload/$', views.ImagUpload, name="upload"),
```

In View

```
from django.http import HttpResponse  
from django.core.files.storage import FileSystemStorage  
  
def ImagUpload(request):  
    if request.method == 'POST' and request.FILES.get('file', False):  
        myfile = request.FILES['file']  
        fs = FileSystemStorage()  
        filename = fs.save(myfile.name, myfile)  
        uploaded_file_url = fs.url(filename)  
        print("{} - {}".format(filename, uploaded_file_url))  
        return HttpResponse('file uploaded succesfully')  
    else:  
        return HttpResponse('else')
```

UPLOAD MULTIPLE FILE

Only change in view rest is same

```
from django.http import HttpResponse
from django.core.files.storage import FileSystemStorage

def FileUpload(request):
    if request.method == 'POST' and request.FILES.get('file', False):
        files = request.FILES.getlist('file')
        print('files ', files)
        for file in files:
            fs = FileSystemStorage()
            filename = fs.save(file.name, file)
            uploaded_file_url = fs.url(filename)
            print("{} - {}".format(filename, uploaded_file_url))
        return HttpResponse('file uploaded succesfully')
    else:
        return HttpResponse('else')
```

File Upload Using JS Ajax and Progress bar

For progress bar copy and past loading-bar folder which include required js and css files

Then import those css and js file

```
<!--Progress-bar-->
<script src="{% static 'loading-bar/loading-bar.js' %}"></script>
<script src="{% static 'loading-bar/loading-bar.min.js' %}"></script>
<link rel="stylesheet" type="text/css" href="{% static 'loading-bar/loading-
bar.css' %}">
<!--Csrf Token-->
<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery-cookie/1.4.1/
jquery.cookie.min.js"></script>
```

In html file

```
<div class="row" id="upload_outer_div">
  <div class="col-md-12" style="text-align: center;">
    <h2 class="tagline">No matter where you go – <br>take your files with you</h2>
    <form action="{% url 'upload' %}" method="post" id="form_upload"
enctype="multipart/form-data">
      {% csrf_token %}
```

```

<div class="button" id="upload_btn">Upload</div>
<input type="file" name="file" id="getFile" autocomplete=off
      multiple/>
<input type="hidden" id="Hiddate" name="csrfmiddlewaretoken" value="{%
csrf_token %}" />
<button type="submit">submit</button>
</form>
<div id="progressBar"
      style="width:100%;height:60px;margin-top: 20px;"
      data-preset="rainbow">
</div>
</div>
</div>

```

Css

```

#upload_outer_div {
  margin-top: 28vh;
}

#upload_btn {
  margin-top: 15px;
}
#getFile{
  display: none;
}
#form_upload button{
  display: none;
}

```

JS

```

function openFileChooser() {
  $("#upload_btn").click(function () {
    $("#getFile").click();
  });
}

function startUploading() {
  $("#getFile").change(function () {
    var progress_bar = new ldBar("#progressBar") ;
    var data = new FormData($('form')[1]);
    data.append('csrfmiddlewaretoken', $.cookie('csrftoken'));
    var form_url = $('#form_upload').attr('action');
    var form_type = $('#form_upload').attr('method');

```

```

$('.ldBar-label').hide(); // hiding progress_bar percentage
$('#form_upload').hide();
$.ajax({
    // xhr method is for Progress bar
    xhr: function () {
        var xhr = new window.XMLHttpRequest();

        xhr.upload.addEventListener("progress", function (evt) {
            var percent = Math.round(evt.loaded / evt.total * 100)
            if(percent<100){
                progress_bar.set( Math.round(percent));
            }
            else {

document.getElementById("progressBar").innerHTML="<i>loading...</i>";

            }
        });
        return xhr;
    },
    url: form_url,
    type: form_type,
    data: data,
    cache: false,
    processData: false,
    contentType: false,
    success: function (data) {
        $.dialog({
            backgroundDismiss: true,
            animation: 'top',
            title: 'Done!',
            content: data,
        });
    },error:function (rs,e) {
        alert(rs.responseText);
    }
});
});
}

$(document).ready(function () {
    openFileChooser();
    startUploading();
});

```

View

For view will be same, whether you want to upload single file or multiple file use respective view as mention above.

File Upload using model

Html, Js, Ajax and urls all are same you need to create a model and change in view only

In models.py

```
from django.db import models

class FileAddress(models.Model):
    token = models.IntegerField(default=1,null=True,blank=True)
    document = models.FileField(upload_to='')

# if you put upload_to='' then it will save file in side the folder
# if you put upload_to='neeraj/' then it will create a neeraj folder inside
the folder and then save files inside neeraj folder
# if you put upload_to='neeraj/%Y/%m/%d/' then it will create hierarchy
of folder, outer most folder will be year folder which has month folder
and in which a day folder in which a file will be saved be saved.
EXAMPLE = media>neeraj>2019>04>23>file
```

In view.py

```
from django.http import HttpResponse
from .models import FileAddress

def FileUpload(request):

    if request.method == 'POST' and request.FILES.get('file', False):
        file = request.FILES['file']
        print('files ', file)
        obj = FileAddress(document=file)
        obj.save()
        return HttpResponse('file uploaded succesfully')
    else:
        return HttpResponse('else')
```

Upload Multiple File

```
from django.http import HttpResponse
from .models import FileAddress

def FileUpload(request):

    if request.method == 'POST' and request.FILES.get('file', False):
        files = request.FILES.getlist('file')
        print('files ', files)
        for file in files:
            obj = FileAddress(document=file)
            obj.save()
        return HttpResponse('file uploaded succesfully')
    else:
        return HttpResponse('else')
```

Show Saved File

In urls.py

You need too defile media_root in urls.py class

```
from django.conf import settings

urlpatterns = [
    path('superadmin/', admin.site.urls),
    url(r'^$', include('dashboard.urls')),
    url(r'^upload/$', views.FileUpload, name="upload"),
]+ static(settings.MEDIA_URL, document_root=settings.MEDIA_ROOT)
```

After that lets if the file is saved in media/documents folder and file is called one.png

The you can access that file like that

<http://127.0.0.1:55300/media/documents/one.png>