PHP

# Laravel 8 File Upload Example

# laravel 8

# PHP

Admin posted this 7 months ago

5 minutes to read

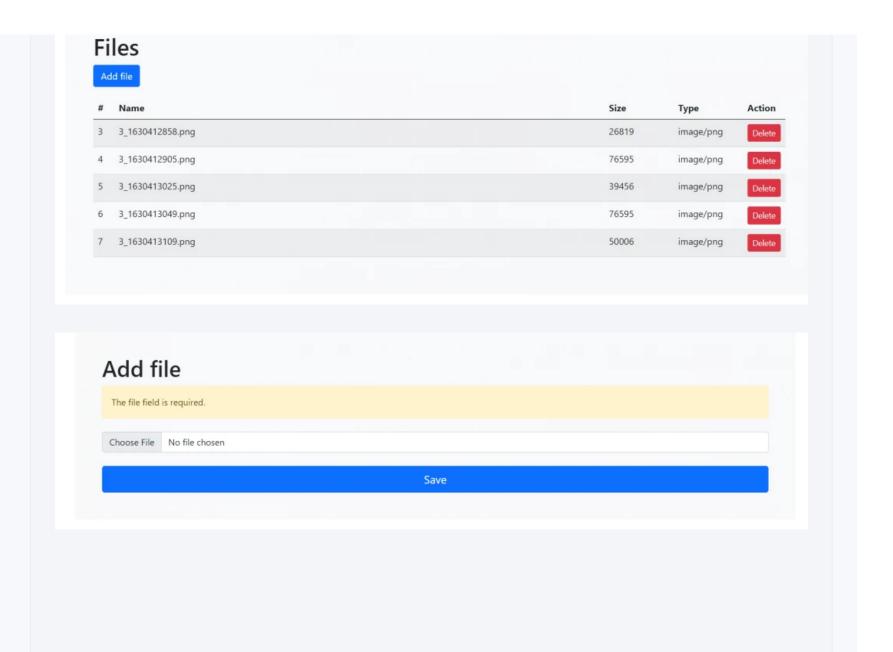
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In this post, I will be going to share how to implement a simple Laravel 8 file upload with a database implementation. We will save the generated file name base on time, size, mime-type, and associate it with the current user logged. When developing an application using Laravel usually the file upload is always present even on a simple system.





Just follow my simple steps and learn from them.

I assume that you have your **Laravel 8 Project** already in your local so we will skip that process. For more information on how to install Laravel just visit their documentation.

Okay, let's start.

# **Step 1: Create file upload migrations**

First, we will create our files table migrations for our File model. Run the following command to do it:

Then we will add our migrations field. See below the complete code for our migrations.

```
<?php
use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;
class CreateFilesTable extends Migration
     * Run the migrations.
     * @return void
     * /
    public function up()
        Schema::create('files', function (Blueprint $table) {
            $table->id();
            $table->unsignedBigInteger('user id');
            $table->string('name');
            $table->string('type');
            $table->string('size');
            $table->timestamps();
```

```
->on('users')
->onDelete('cascade');
});
}

/**

* Reverse the migrations.

*

* @return void
*/
public function down()
{
    Schema::dropIfExists('files');
}
```

Next, you have to run:

php artisan migrate

# Step 2: Create file upload controller and model

Use the command below to create your FileController with File model:

php artisan make:controller FilesController --model=File

# **Step 3: Create file upload routes**

Now, let's create your routes for our file upload:

```
/**
 * File Upload Routes
 */
Route::get('/files', 'FilesController@index')->name('files.index');
Route::get('/files/add', 'FilesController@create')->name('files.create');
Route::post('/files/add', 'FilesController@store')->name('files.store');
```

# **Step 4: Setup Model**

Next, we will set up our File model. See below the completed setup.

```
<?php

namespace App\Models;

use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Database\Eloquent\Model;

class File extends Model
{
    protected $table = 'files';</pre>
```

```
'user_id',
'name',
'type',
'size'
];
use HasFactory;
}
```

# **Step 5: Setup Controller**

Kindly see below the complete code of our controller including the file upload in **store()** method.

```
* @return \Illuminate\Http\Response
 * /
public function index()
   $files = File::all();
   return view('files.index', [
        'files' => $files
   ]);
 * Show the form for creating a new resource.
 * @return \Illuminate\Http\Response
 * /
public function create()
   return view('files.create');
 * Store a newly created resource in storage.
 * @param StoreFileRequest $request
 * @return \Illuminate\Http\Response
```

```
$fileName = auth()->id() . '_' . time() . '.'. $request->file->exter
$type = $request->file->getClientMimeType();
$size = $request->file->getSize();
$request->file->move(public path('file'), $fileName);
File::create([
    'user id' => auth()->id(),
    'name' => $fileName,
    'type' => $type,
    'size' => $size
]);
return redirect()->route('files.index')->withSuccess( ('File added
```

# **Step 6: Create StoreFileRequest**

Now let's create a request class for a store/uploading file. Run the command below:

php artisan make:request StoreFileRequest

After the **StoreFileRequest** class is generated kindly check the code below for our validation:

```
<?php
namespace App\Http\Requests;
use Illuminate\Foundation\Http\FormRequest;
class StoreFileRequest extends FormRequest
     * Determine if the user is authorized to make this request.
     * @return bool
    public function authorize()
        return true;
     * Get the validation rules that apply to the request.
     * @return array
    public function rules()
```

```
'file' => 'required|file|mimes:jpg,jpeg,bmp,png,doc,docx,csv,rt1
];
}
```

# **Step 7: Create View**

First, we will create our **index.blade.php** see below the complete code:

Second, create.blade.php for our uploading file.

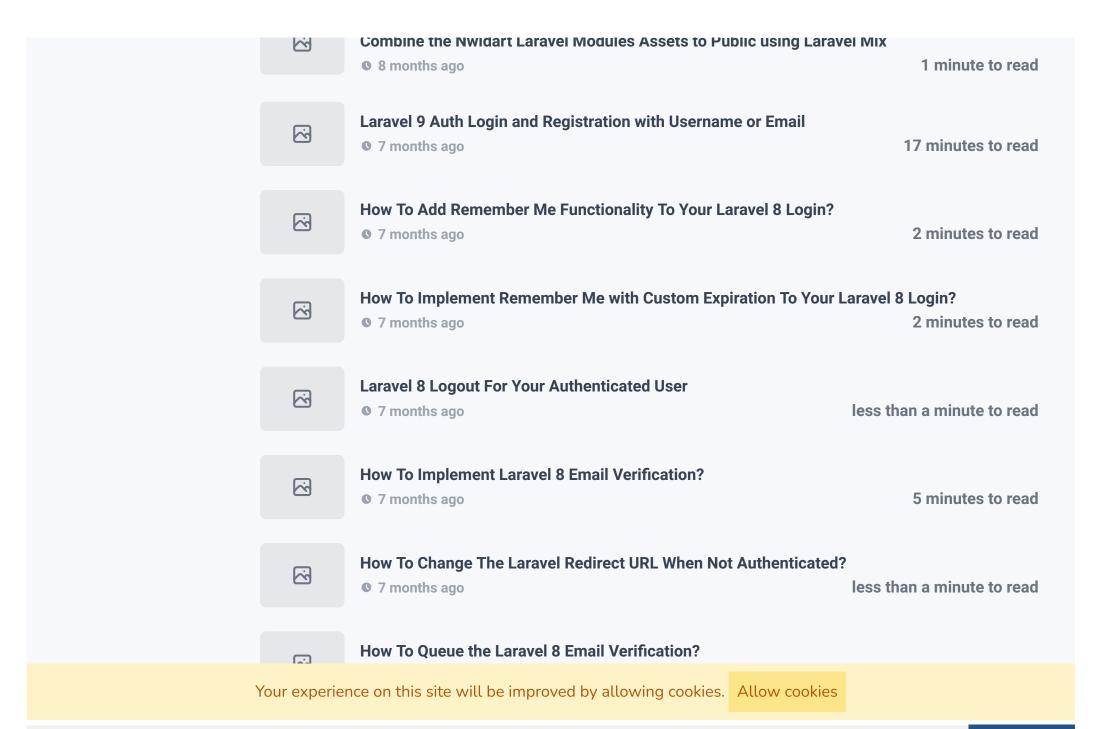
As you can see from our **input=file** we added **accept** attribute with a value of ".jpg,.jpeg,.bmp,.png,.gif,.doc,.docx,.csv,.rtf,.xlsx,.xls,.txt,.pdf,.zip" it will help to only accept base on specified file extensions.

**Download Source Code** 

Thank you for reading. I hope it helps.

Happy coding:)

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