

Image Uploade CRUD in LARAVEL

MIGRATION Page –

Command :

php artisan make:migration create_images_table

php artisan migrate

php artisan migrate:refresh

```
<?php

use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;

return new class extends Migration
{
    /**
     * Run the migrations.
     */
    public function up(): void
    {
        Schema::create('images', function (Blueprint $table) {
            $table->integer('id');
            $table->string('fname',20);
            $table->string('lname',20);
            $table->string('email',50);
            $table->string('password',20);
            $table->string('confpassword',20);
            $table->string('class',30);
            $table->string('gender',10);
            $table->text('address');
            $table->string('phone');
            $table->string('image');
            $table->timestamps();
        });
    }

    /**
     * Reverse the migrations.
     */
    public function down(): void
    {
        Schema::dropIfExists('images');
    }
};
```

Controller Page –

Command:

php artisan make:controller CrudController

```
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;
use Illuminate\Support\Facades\DB;

class ImageCrudController extends Controller
{
    public function addStudent(Request $req)
    {

        $req->validate([
            'fname'=>'required',
            'lname'=>'required',
            'email'=>'required|email',
            'password'=>'required|min:8',
            'confpassword'=>'required|same:password|min:8',
            'gender'=>'required',
            'address'=>'required',
            'class'=>'required',
            'phone'=>'required|numeric|digits:10',
            'image'=>'required|mimes:png,jpg,jpeg,webp,gif',

        ]);

        if ($req->hasFile('image')) {
            $file = $req->file('image');
            $file_extension = $file->getClientOriginalExtension();
            $filename = time() . '.' . $file_extension;
            $path = '/uploads/images/';
            $file->move(public_path($path), $filename);
        }
        $student = DB::table('images')->insert(
            [

                'id'=>rand(111,999999999),
                'fname'=>$req->fname,
                'lname'=>$req->lname,
                'email'=>$req->email,
                'password'=>$req->password,
                'confpassword'=>$req->confpassword,
                'gender'=>$req->gender,
                'address'=>$req->address,
                'class'=>$req->class,
                'phone'=>$req->phone,
                'image' => $path . $filename,
            ]
        );
    }
}
```

```

        ]
    );

    if ($student)
    {
        return redirect()->route('home')->with('success', 'Student Added
Successfully');
    }

}

public function ShowStudent()
{
    $student = DB::table('images')->get();
    return view('index',['data' => $student]);
}

public function deleteStudent(string $id)
{
    $oldImagePath = DB::table('images')->where('id', $id)->value('image');

    // Unlink the old image if it exists
    if ($oldImagePath && file_exists(public_path($oldImagePath))) {
        unlink(public_path($oldImagePath));
    }

    $student = DB::table('images')->where('id', $id)->delete();
    if ($student)
    {
        return redirect()->route('home')->with('denger', 'Student Deleted
Successfully');
    }

}

public function singleStudent(string $id)
{
    $student = DB::table('images')->where('id', $id)->get();
    return view('view',['data' => $student]);
}

public function updatePage(string $id)
{
    $student = DB::table('images')->find($id);
    return view('update',['data' => $student]);
}

public function updateStudent(Request $req, $id)
{
    $req->validate([

```

```

        'fname' => 'required',
        'lname' => 'required',
        'email' => 'required|email',
        'password' => 'required|min:8',
        'confpassword' => 'required|min:8',
        'gender' => 'required',
        'address' => 'required',
        'class' => 'required',
        'phone' => 'required|numeric|digits:10',
        'image' => 'nullable|mimes:png,jpg,jpeg,webp,gif'
    ]]);

    if ($req->hasFile('image')) {
        $file = $req->file('image');
        $file_extension = $file->getClientOriginalExtension();
        $filename = time() . '.' . $file_extension;
        $path = '/uploads/images/';
        $file->move(public_path($path), $filename);

        // Retrieve the old image path
        $oldImagePath = DB::table('images')->where('id', $id)->value('image');
        // Unlink the old image if it exists
        if ($oldImagePath && file_exists(public_path($oldImagePath))) {
            unlink(public_path($oldImagePath));
        }

        // Update student record with the new image path
        DB::table('images')
            ->where('id', $id)
            ->update([
                'fname' => $req->fname,
                'lname' => $req->lname,
                'email' => $req->email,
                'password' => $req->password,
                'confpassword' => $req->confpassword,
                'gender' => $req->gender,
                'address' => $req->address,
                'class' => $req->class,
                'phone' => $req->phone,
                'image' => $path . $filename,
            ]);

        return redirect()->route('home')->with('success', 'Student Updated Successfully');
    }
}
}
}

```

route Page –

```
<?php

use App\Http\Controllers\ImageCrudController;
use Illuminate\Support\Facades\Route;

/*
|-----
| Web Routes
|-----
|
| Here is where you can register web routes for your application. These
| routes are loaded by the RouteServiceProvider and all of them will
| be assigned to the "web" middleware group. Make something great!
|
*/

Route::get('/add', function () {
    return view('add');
})->name('add');

route::post('/addStudent',[ImageCrudController::class,'addStudent'])->name('addStudent');

route::get('/singleStudent/{id}',[ImageCrudController::class,'singleStudent'])->
>name('singleStudent');

route::get('/',[ImageCrudController::class,'ShowStudent'])->name('home');

route::get('/delete/{id}',[ImageCrudController::class,'deleteStudent'])->
>name('deleteStudent');

route::get('/updatePage/{id}',[ImageCrudController::class,'updatePage'])->
>name('updatePage');

route::post('/updateStudent/{id}',[ImageCrudController::class,'updateStudent'])->
>name('updateStudent');
// route::post('/adddata',[CrudController::class,'adduser'])->name('adduser');
```

[view Page –](#)

[Header.blade.php –](#)

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>CRUD</title>
  <link rel="stylesheet" href="/css/style.css">
</head>
<body>
  <div id="wrapper">
    <div id="header">
      <h1>Crud</h1>
    </div>
    <div id="menu">
      <ul>
        <li>
          <a href="{{route('home')}}">Home</a>
        </li>
        <li>
          <a href="{{route('add')}}">Add</a>
        </li>
      </ul>
    </div>
  </div>
```

[add.blade.php –](#)

```
@include ('header')
<div id="main-content">
  <h2>Add New Record</h2>
  <form class="post-form" action="{{route('addStudent')}}" method="POST"
  enctype="multipart/form-data">
    @csrf
    <div class="form-group">
      <label>First Name</label>
      <input type="text" name="fname" value="{{old('fname')}}" />
      <span style="color:red;">@error('fname'){{$message}}@enderror</span>
    </div>
    <div class="form-group">
      <label>Last Name</label>
      <input type="text" name="lname" value="{{old('lname')}}" />
      <span style="color:red;">@error('lname'){{$message}}@enderror</span>
    </div>
    <div class="form-group">
      <label>Email</label>
      <input type="email" name="email" value="{{old('email')}}" />
      <span style="color:red;">@error('email'){{$message}}@enderror</span>
    </div>
  </form>
```

```

</div>
<div class="form-group">
  <label>Password</label>
  <input type="password" name="password" value="{{old('password')}}"/>
  <span style="color:red;">@error('password'){{$message}}@enderror</span>
</div>
<div class="form-group">
  <label>Confirm Password</label>
  <input type="password" name="confpassword" value="{{old('confpassword')}}"/>
  <span style="color:red;">@error('confpassword'){{$message}}@enderror</span>
</div>
<div class="form-group">
  <label>gender</label>
  <input type="text" name="gender" value="{{old('gender')}}"/>
  <span style="color:red;">@error('gender'){{$message}}@enderror</span>
</div>
<div class="form-group">
  <label>Address</label>
  <textarea name="address" cols="30" rows="10" >{{old('address')}}</textarea>
  <span style="color:red;">@error('address'){{$message}}@enderror</span>
</div>
<div class="form-group">
  <label>Class</label>
  <select name="class">
    <option value="" selected disabled>Select Class</option>
    <option value="BCA" {{ old('class') == 'BCA' ? 'selected' : ''
}}>BCA</option>
    <option value="BSC" {{ old('class') == 'BSC' ? 'selected' : ''
}}>BSC</option>
    <option value="B.TECH" {{ old('class') == 'B.TECH' ? 'selected' : ''
}}>B.TECH</option>
  </select>
  <span style="color:red;">@error('class'){{$message}}@enderror</span>
</div>
<div class="form-group">
  <label>Phone</label>
  <input type="number" name="phone" value="{{old('phone')}}"/>
  <span style="color:red;">@error('phone'){{$message}}@enderror</span>
</div>
<div class="form-group">
  <label>Image</label>
  <input type="file" name="image" value="{{old('image')}}"/>
  <span style="color:red;">@error('image'){{$message}}@enderror</span>
</div>
  <input class="submit" type="submit" value="Save" />
</form>
</div>
</div>
</body>
</html>

```

index.blade.php –

```
@include ('header')
<div id="main-content">
    <h2>All Records</h2>
    @if(Session::has('success'))
        <div style="border:2px solid white;width:100%;background-color:rgb(142, 208, 142);padding:5px;border-radius:30px;">
            <p>{{Session::get('success')}}</p>
        </div>
    @endif
    @if(Session::has('denger'))
        <div style="border:2px solid white;(204, 90, 14);width:100%;background-color:rgb(214, 107, 13);padding:5px;border-radius:30px;">
            <p>{{Session::get('denger')}}</p>
        </div>
    @endif

    <table cellpadding="7px">
        <thead>
            <th>Id</th>
            <th>First Name</th>
            <th>Last Name</th>
            <th>Password</th>
            <th>Conf Password</th>
            <th>Email</th>
            <th>Class</th>
            <th>Gender</th>
            <th>Phone</th>
            <th>Address</th>
            <th>Image</th>
            <th>View</th>
            <th>Edit</th>
            <th>Delete</th>
        </thead>
        <tbody>
            @foreach($data as $student)
                <tr>
                    <td>{{ $student->id }}</td>
                    <td>{{ $student->fname }}</td>
                    <td>{{ $student->lname }}</td>
                    <td>{{ $student->password }}</td>
                    <td>{{ $student->confpassword }}</td>
                    <td>{{ $student->email }}</td>
                    <td>{{ $student->class }}</td>
                    <td>{{ $student->gender }}</td>
                    <td>{{ $student->phone }}</td>
                    <td>{{ $student->address }}</td>
                    <td>
                        
                    </td>
                </tr>
            @endforeach
        </tbody>
    </table>
</div>
```



```

        <td><a style="background-color:green;"
href={{route('singleStudent',$student->id)}}>View</a></td>
        <td><a style="background-color:blue;" href={{route('updatePage',$student-
>id)}}>Edit</a></td>
        <td> <a href={{route('deleteStudent',$student->id)}}>Delete</a></td>
    </tr>
    @endforeach

</tbody>
</table>
</div>
</div>
</body>
</html>

```

update.blade.php –

```

@include('header')
<div id="main-content">
    <h2>Update Record</h2>
    <form class="post-form" action="{{route('updateStudent',$data->id)}}" method="post"
    enctype="multipart/form-data">
        @csrf
        <div class="form-group">
            <label>First Name</label>
            <input type="text" name="fname" value="{{ $data->fname }}" />
            <span style="color:red;">@error('fname'){{$message}}@enderror</span>
        </div>
        <div class="form-group">
            <label>Last Name</label>
            <input type="text" name="lname" value="{{ $data->lname }}" />
            <span style="color:red;">@error('lname'){{$message}}@enderror</span>
        </div>
        <div class="form-group">
            <label>Email</label>
            <input type="email" name="email" value="{{ $data->email }}" />
            <span style="color:red;">@error('email'){{$message}}@enderror</span>
        </div>
        <div class="form-group">
            <label>Password</label>
            <input type="password" name="password" value="{{ $data->password }}" />
            <span style="color:red;">@error('password'){{$message}}@enderror</span>
        </div>
        <div class="form-group">
            <label>Confirm Password</label>
            <input type="password" name="confpassword" value="{{ $data->confpassword }}" />
            <span style="color:red;">@error('confpassword'){{$message}}@enderror</span>
        </div>
        <div class="form-group">
            <label>gender</label>
            <input type="text" name="gender" value="{{ $data->gender }}" />

```

```

        <span style="color:red;">@error('gender'){{$message}}@enderror</span>
    </div>
    <div class="form-group">
        <label>Address</label>
        <textarea name="address" cols="30" rows="10">{{$data->address}}</textarea>
        <span style="color:red;">@error('address'){{$message}}@enderror</span>
    </div>
    <div class="form-group">
        <label>Class</label>
        <select name="class">
            <option value="" selected disabled>Select Class</option>
            <option value="BCA" @if($data->class == 'BCA')selected @endif>BCA</option>
            <option value="BSC" @if($data->class == 'BSC')selected @endif>BSC</option>
            <option value="B.TECH" @if($data->class == 'B.TECH')selected
@endif>B.TECH</option>
        </select>
        <span style="color:red;">@error('class'){{$message}}@enderror</span>
    </div>
    <div class="form-group">
        <label>Phone</label>
        <input type="number" name="phone" value="{{$data->phone}}"/>
        <span style="color:red;">@error('phone'){{$message}}@enderror</span>
    </div>
    <div class="form-group">
        <label>Image</label>
        
        <input type="file" name="image" style="margin-left:30%"/>
        <span style="color:red;">@error('image'){{$message}}@enderror</span>
    </div>
    <div class="form-group">
        <div class="form-group">
            <input class="submit" type="submit" value="Update" />
        </div>
    </div>
</div>
</div>
</body>
</html>

```

Frontend –


Browser tabs: (16) Best of Anjit, localhost / 127.0.0.1 / x, CRUD, how to work old prop, 0.5 Kbps, 0.4 Kbps, CRUD.

Address bar: 127.0.0.1:8000

Navigation: HOME ADD

CRUD

All Records

ID	FIRST NAME	LAST NAME	PASSWORD	CONF PASSWORD	EMAIL	CLASS	GENDER	PHONE	ADDRESS	IMAGE	VIEW	EDIT	DELETE
177736833	Vishal	maurya	vk000000	vk000000	atul123@gmail.com	BSC	Male	9511081531	Police line , ramaipatti mirzapur		VIEW	EDIT	DELETE

Windows taskbar: Type here to search, 04:07 AM, 24-02-2024

Add

Browser tabs: (16) Best of Anjit, localhost / 127.0.0.1 / x, CRUD, how to work old prop, 0.5 Kbps, 0.4 Kbps, CRUD.

Address bar: 127.0.0.1:8000/add

Navigation: HOME ADD

CRUD

Add New Record

First Name

Last Name

Email

Password

Confirm Password


gender

Address

Class

Phone

Image



Select Class

Choose File

No file chosen

SAVE

CRUD

HOMEADD

Update Record

First Name

Last Name

Email

Password

Confirm Password

gender

Address

Class

Phone

Image

Vishal

maurya


atul123@gmail.com

Male

Police line , ramaipatti mirzapur

BSC


9511081531



Choose File | No file chosen

UPDATE

Type here to search



04:07 AM
24-02-2024

ENG