Image Uploade CRUD Using Model in LARAVEL

MIGRATION Page –

Command :

php artisan make:migration create_images_table

php artisan migrate

php artisan migrate:refresh

```php
<?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
<?php

namespace App\Http\Controllers;

use App\Models\Student;
use Illuminate\Http\Request;
use Illuminate\Support\Facades\File;

class StudentController extends Controller
{
    public function addStudent(Request $req)
    {
        $req->validate([
            'name'=>'required',
            'email'=>'required|email',
            'password'=>'required|min:8',
            'class'=>'required',
            'language'=>'required',
            'gender'=>'required',
            'phone'=>'required|numeric|digits:10',
            'address'=>'required',
            'image'=>'required|mimes:png,jpg,jpeg,webp,gif',

        ]);

        if($req->has('image'))
        {
            $file = $req->file('image');
            $extension = $file->getClientOriginalExtension();
            $filename = time() . '.' . $extension;
            $path = 'uploads/images/';
            $file->move(public_path($path), $filename);
        }
        $students = Student::create(
                [

                    'id'=>rand(111,999999999),
                    'name'=>$req->name,
                    'email'=>$req->email,
                    'password'=>$req->password,
                    'class'=>$req->class,
                    'language'=>implode(',',$req->language),
                    'gender'=>$req->gender,
                    'phone'=>$req->phone,
                    'address'=>$req->address,
                    'image'=>$path.$filename,

                ]
                );
```

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

    }

    public function ShowStudent()
    {
        $students = student::get();
        return view('index',compact('students'));

    }

    public function deleteStudent(string $id)
    {
        $students = student::findorFail($id);

        if(File::exists($students->image))
            {
                File::delete($students->image);
            }

        $students->delete();

        if ($students)
        {
            return redirect()->route('home')->with('denger', 'Student Deleted
Successfully');
        }

    }

    public function singleStudent(string $id)
    {
        $students = student::findorFail($id);
        return view('view',compact('students'));

    }


    public function updatePage(string $id)
    {
        $students = student::find($id);
        return view('update',compact('students'));

    }

    public function updateStudent(Request $req , $id)
    {
        $req->validate([
            'name'=>'required',
```

```php
            'email'=>'required|email',
            'password'=>'required|min:8',
            'class'=>'required',
            'language'=>'required',
            'gender'=>'required',
            'phone'=>'required|numeric|digits:10',
            'address'=>'required',
            'image'=>'required|mimes:png,jpg,jpeg,webp,gif',


        ]);

        $students = Student::findorFail($id);

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

            if(File::exists($students->image))
            {
                File::delete($students->image);
            }
        }


        $students->update(
                [
                    'name'=>$req->name,
                    'email'=>$req->email,
                    'password'=>$req->password,
                    'class'=>$req->class,
                    'language'=>implode(',',$req->language),
                    'gender'=>$req->gender,
                    'phone'=>$req->phone,
                    'address'=>$req->address,
                    'image'=>$path.$filename,

                ]
                );

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

    }
}
```

model Page –

```php
<?php

namespace App\Models;

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

class Student extends Model
{
    use HasFactory;


    protected $table = 'images';

    protected $fillable = [
        'id',
        'name',
        'email',
        'password',
        'class',
        'language',
        'gender',
        'phone',
        'address',
        'image'

    ];
}
```

route Page –

```php
<?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>
```

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'){{$message}}@enderror</span>
        </div>
        <div class="form-group">
            <label>Password</label>
            <input type="password" name="password" value="{{old('password')}}"/>
            <span style="color:red;">@error('password'){{$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>
```

```html
            </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>{{$student->address}}</td>
                <td>
                    <img src="{{$student->image}}" alt="image" style="width:70px;
height:70px;">
                </td>

                <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>
```
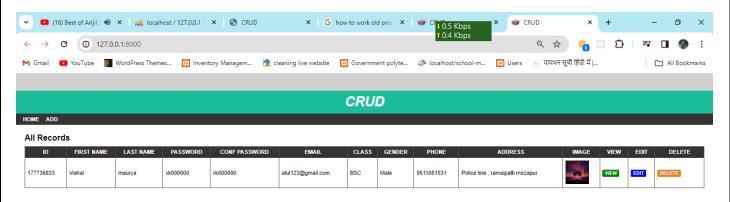
update.blade.php –

```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>
```
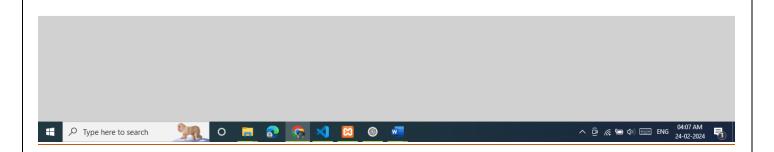
```html
                <span style="color:red;">@error('class'){{$message}}@enderror</span>
            </div>
            <div class="form-group">
                <label>Phone</label>
                <input type="number" name="phone" value="{{$data->phone}}"/>
                <span style="color:red;">@error('phone'){{$message}}@enderror</span>
            </div>
            <div class="form-group">
                <label>Image</label>
                <img src="{{$data->image}}" alt="image" style="width:30%;height:100px;">
                <input type="file" name="image" style="margin-left:30%"/>
                <span style="color:red;">@error('image'){{$message}}@enderror</span>
            </div>
            <div class="form-group">
            </div>
        <input class="submit" type="submit" value="Update"  />
        </form>
</div>
</div>
</body>
</html>
```

Frontend –

Add

CRUD

HOME   ADD

Add New Record

First Name	
Last Name	
Email	
Password	
Confirm Password	
gender	
Address	
Class	Select Class
Phone	
Image	Choose File No file chosen

SAVE

CRUD

HOME   ADD

Update Record

First Name	Vishal
Last Name	maurya
Email	atul123@gmail.com
Password	••••••••
Confirm Password	••••••••
gender	Male
Address	Police line , ramaipatti mirzapur
Class	BSC
Phone	9511081531
Image	Choose File No file chosen

UPDATE