

# Simple CRUD in LARAVEL

## MIGRATION Page –

Command :

php artisan make:migration create\_student\_data\_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('student_data', function (Blueprint $table) {
            $table->integer('id');
            $table->string('name',20);
            $table->string('email',20);
            $table->string('password',50);
            $table->string('class',30);
            $table->string('language',30);
            $table->string('gender',10);
            $table->string('phone',15);
            $table->text('address');
            $table->timestamps();
        });
    }

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

## Controller Page –

Command:

php artisan make:controller CrudController

```
<?php
namespace App\Http\Controllers;

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

class CrudController 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',

        ]);
        $student = DB::table('student_data')->insert(
            [

                '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,

            ]
        );

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

    }

    public function ShowStudent()
    {

```

```

        $student = DB::table('student_data')->get();
        return view('index',['data' => $student]);
    }

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

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

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

    public function updateStudent(Request $req , $id)
    {
        $req->validate([
            'name'=>'required',
            'email'=>'required|email',
            'password'=>'required|min:8',
            'class'=>'required',
            'language'=>'required',
            'gender'=>'required',
            'phone'=>'required|numeric|digits:10',
            'address'=>'required',

        ]);

        $student = DB::table('student_data')
            ->where('id', $id)
            ->update(
                [
                    'name'=>$req->name,
                    'email'=>$req->email,
                    'password'=>$req->password,
                    'class'=>$req->class,

```

```

        'language'=>implode(',', $req->language),
        'gender'=>$req->gender,
        'phone'=>$req->phone,
        'address'=>$req->address,

    ]
    );

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

```

#### route Page –

```

<?php

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

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

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

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

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

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

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

route::post('/updateStudent/{id}',[CrudController::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">
    @csrf
    <div class="form-group">
      <label>Name</label>
      <input type="text" name="name" value="{{old('name')}}" />
      <span style="color:red;">@error('name'){{$message}}@enderror</span>
    </div>
    <div class="form-group">
      <label>Email</label>
      <input type="email" name="email" value="{{old('email')}}" />
      <span style="color:red;">@error('email'){{$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>
  </form>
```

```

</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'){{$message}}@enderror</span>
</div>
<div class="form-check">
<div class="form-group">
  <label>Language</label>
</div>
  <input class="form-check-input" type="checkbox" name="language[]"
value="Hindi" {{ in_array('Hindi', old('language', [])) ? 'checked' : '' }}>
  <label class="form-check-label" for="flexCheckDefault">Hindi</label>
  <input class="form-check-input" type="checkbox" name="language[]"
value="English" {{ in_array('English', old('language', [])) ? 'checked' : '' }}>
  <label class="form-check-label" for="flexCheckDefault">English</label>
  <span style="color:red;">@error('language'){{$message}}@enderror</span>
</div>
  <br>
<div class="form-check">
<div class="form-group">
  <label>Gender</label>
</div>
  <input class="form-check-input" type="radio" name="gender" id="male"
value="male" {{ old('gender') == 'male' ? 'checked' : '' }}>
  <label class="form-check-label" for="male">Male</label>
  <input class="form-check-input" type="radio" name="gender" id="female"
value="female" {{ old('gender') == 'female' ? 'checked' : '' }}>
  <label class="form-check-label" for="female">Female</label>
  <span style="color:red;">@error('gender'){{$message}}@enderror</span>
</div><br>

<div class="form-group">
  <label>Phone</label>
  <input type="text" name="phone" value="{{old('phone')}}" />
  <span style="color:red;">@error('phone'){{$message}}@enderror</span>
</div>
<div class="form-group">
  <label>Address</label>
  <textarea name="address" id="" cols="40"
rows="5">{{old('address')}}</textarea>
  <span style="color:red;">@error('address'){{$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>Name</th>
            <th>Email</th>
            <th>Password</th>
            <th>Class</th>
            <th>Language</th>
            <th>Gender</th>
            <th>Phone</th>
            <th>Address</th>
            <th>View</th>
            <th>Edit</th>
            <th>Delete</th>
        </thead>
        <tbody>
            @foreach($data as $student)
                <tr>
                    <td>{{ $student->id }}</td>
                    <td>{{ $student->name }}</td>
                    <td>{{ $student->email }}</td>
                    <td>{{ $student->password }}</td>
                    <td>{{ $student->class }}</td>
                    <td>{{ $student->language }}</td>
```

```

        <td>{{ $student->gender }}</td>
        <td>{{ $student->phone }}</td>
        <td>{{ $student->address }}</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)}} onclick="return confirm('Are you sure ?')">Edit</a></td>
        <td><a href={{route('deleteStudent',$student->id)}} onclick="return
confirm('Are you sure ?')">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">
        @csrf
        <div class="form-group">
            <label>Name</label>
            <input type="text" name="name" value="{{ $data->name }}" />
            <span style="color:red;">@error('name'){{ $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>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>
            </select>
        </div>
    </form>
</div>

```



```

        <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-check">
<div class="form-group">
    <label>Language</label>
</div>

    <input class="form-check-input" type="checkbox" name="language[]"
value="Hindi" @if(in_array('Hindi',explode(',',$data->language)))checked @endif>
    <label class="form-check-label" for="flexCheckDefault">Hindi</label>
    <input class="form-check-input" type="checkbox" name="language[]"
value="English" @if(in_array('English',explode(',',$data->language)))checked @endif>
    <label class="form-check-label" for="flexCheckDefault">English</label>
    <span style="color:red;">@error('language'){{$message}}@enderror</span>
</div><br>
<div class="form-check">
<div class="form-group">
    <label>Gender</label>
</div>
    <input class="form-check-input" type="radio" name="gender" value="male"
@if($data->gender == 'male')checked @endif>
    <label class="form-check-label" for="male">Male</label>
    <input class="form-check-input" type="radio" name="gender" value="female"
@if($data->gender == 'female')checked @endif>
    <label class="form-check-label" for="female">Female</label>
    <span style="color:red;">@error('gender'){{$message}}@enderror</span>
</div><br>
<div class="form-group">
    <label>Phone</label>
    <input type="text" name="phone" value="{{$data->phone}}"/>
    <span style="color:red;">@error('phone'){{$message}}@enderror</span>
</div>
<div class="form-group">
    <label>Address</label>
    <textarea name="address" id="" cols="40" rows="5">{{$data-
>address}}</textarea>
    <span style="color:red;">@error('address'){{$message}}@enderror</span>
</div>
    <input class="submit" type="submit" value="Update" />
</form>
</div>
</div>
</body>
</html>

```

[View page](#)

```
@include('header')
<div id="main-content" align='center'>
  <h2>Single Record</h2>
  <table cellpadding="7px" style="width:50%; text-align:center;">
    <tbody>

      <tr>
        <th>Id :</th>
        <td>{{ $data->id }}</td>
      </tr>
      <tr>
        <th>Name :</th>
        <td>{{ $data->name }}</td>
      </tr>
      <tr>
        <th>Email :</th>
        <td>{{ $data->email }}</td>
      </tr>
      <tr>
        <th>Password :</th>
        <td>{{ $data->password }}</td>
      </tr>
      <tr>
        <th>Class :</th>
        <td>{{ $data->class }}</td>
      </tr>
      <tr>
        <th>Language :</th>
        <td>{{ $data->language }}</td>
      </tr>

      <tr>
        <th>Gender :</th>
        <td>{{ $data->gender }}</td>
      </tr>
      <tr>
        <th>Phone :</th>
        <td>{{ $data->phone }}</td>
      </tr>
      <tr>
        <th>Address :</th>
        <td>{{ $data->address }}</td>
      </tr>

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

## Frontend –

### index

CRUD

HOME ADD

#### All Records

| ID        | NAME                | EMAIL             | PASSWORD    | CLASS  | LANGUAGE | GENDER | PHONE      | ADDRESS                           | VIEW | EDIT | DELETE |
|-----------|---------------------|-------------------|-------------|--------|----------|--------|------------|-----------------------------------|------|------|--------|
| 218105592 | Vishal kumar maurya | atul123@gmail.com | hjbkjklmklm | B.TECH | English  | female | 9511081531 | Police line , ramaipatti mirzapur | VIEW | EDIT | DELETE |

Type here to search

03:49 AM 24-02-2024

### add

CRUD

HOME ADD

#### Add New Record

Name

Email

Password

Class

Language ☐ Hindi ☐ English

Gender ☐ Male ☐ Female

Phone

Address

SAVE

Type here to search

03:49 AM 24-02-2024

## update

Browser tabs: (16) Srk Hit songs|Best c... x | localhost / 127.0.0.1 / foreig... x | CRUD x | how to work old... x | 0.0 Kbps x | 0.0 Kbps x | CRUD x | + -

Address bar: 127.0.0.1:8000/updatePage/218105592

Bookmarks: Gmail, YouTube, WordPress Themes..., Inventory Managem..., cleaning live website, Government polyte..., localhost/school-m..., Users, पापथन सूची हिंदी में |..., All Bookmarks

### CRUD

HOME ADD

#### Update Record

Name

Email

Password

Class

Language

☐ Hindi ☒ English

Gender

☐ Male ☒ Female

Phone

Address

Vishal kumar maurya

atul123@gmail.com

\*\*\*\*\*

B.TECH

☐ Hindi ☒ English

☐ Male ☒ Female

9511081531

Police line , ramapatti mirzapur

UPDATE

Taskbar: Type here to search, Windows logo, File Explorer, Edge, Chrome, VS Code, Teams, Word, WPS Office, Network, Volume, ENG, 03:50 AM, 24-02-2024, 3 notifications