

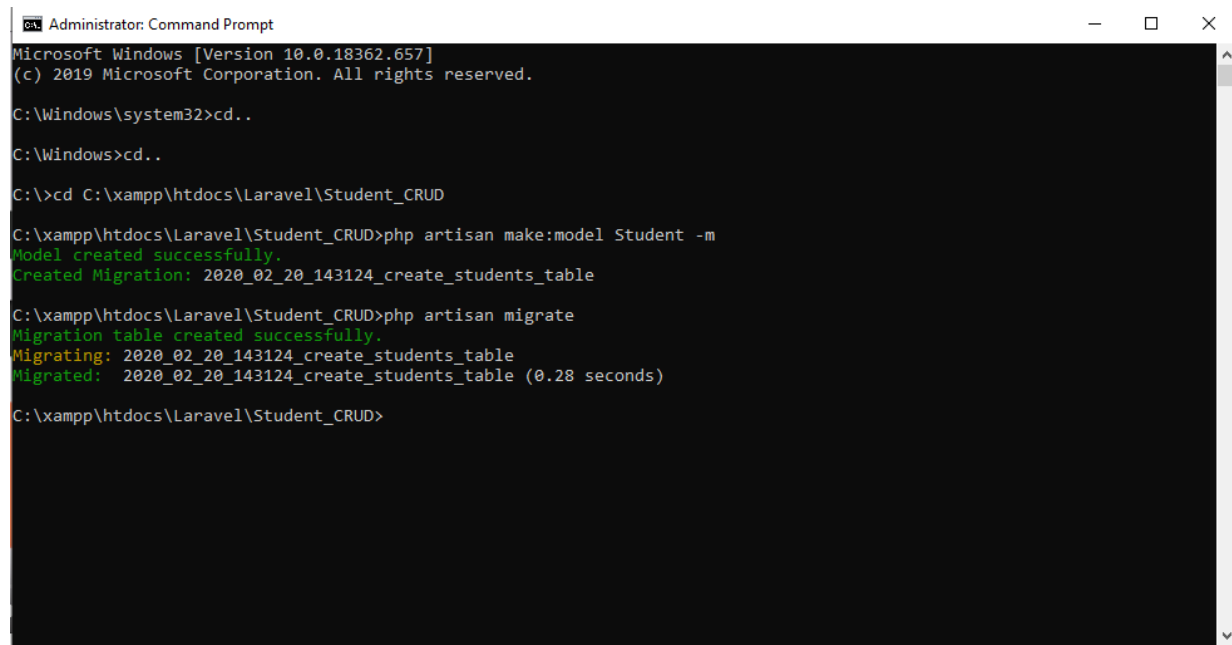
1. Creating a new project after installation of Laravel framework called Student\_CRUD to perform the basic CRUD operation using the laravel framework. The Database called laravel-demo is to be created and also the name of this database is to be updated in the .env file in the Student\_CRUD project folder, also the necessary changes about the database name and password are to be made in the databse.php file. This will allow database connection with laravel application and after making database connection for making a new table the command “**php artisan make:model Student -m**” is to be executed and then the required fields are to be added in the migration file and at last to save the changes migrate table from laravel application to PHPmyadmin using the command “**php artisan migrate**”. For performing the CRUD operations and displaying their output of the view files on the webpage a controller and defining its route is required which can be created by the command “**php artisan make:controller StudentController --resource**”.

Now, the data is inserted into the table and the validation error or success message on the web page using blade templating is displayed. Next is the task to retrieve the data from mysql table and to display that data on web page in table format in laravel. Afterwards, existing MySQL table data in form is loaded and then the task to edit or update form data in laravel framework is also accomplished with the functionality to remove mysql table data in an orderly fashion in laravel framework.

2. For adding the functionality to upload image a new UploadfileController is to be created by following the steps mentioned previously, only the files with the format of image type i.e jpg,png,gif should be uploaded and for this the validation is to be set in the controller file. The selected file is then moved to the images folder by fetching the extension of the original image and generating any random name for that particular image. On successful upload of the image it will be displayed on the web page with the success message.
3. Regarding the money transactions related to the organization in various departments of the organization, a request fund page is created using which the employee of the company can request the amount to the account department of the organization along with the reason for requesting the amount. The Request Fund page of this system consists fields such as

- employee id, employee name, employee email, employee designation, amount in INR and reason for requesting the amount. Once the amount request is made, an email acknowledging the amount request and status of the request is sent to the employee.
4. The account department has access to the Fund Status page which has a record of all the fund requests that have been made so far and a functionality to either approve or reject the request made by employees of various departments of the organization.
  5. Search box in Show Applicants gives the advantage to the HR department of the organization in finding the applicants based on their required criteria among the list of many applicants with an ease. For this purpose, an SQL LIKE query is made in the backend which helps in fetching the results from the database effortlessly and in no time.

### **Screenshots:-**



```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.18362.657]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Windows\system32>cd..
C:\Windows>cd..
C:\>cd C:\xampp\htdocs\Laravel\Student_CRUD
C:\xampp\htdocs\Laravel\Student_CRUD>php artisan make:model Student -m
Model created successfully.
Created Migration: 2020_02_20_143124_create_students_table
C:\xampp\htdocs\Laravel\Student_CRUD>php artisan migrate
Migration table created successfully.
Migrating: 2020_02_20_143124_create_students_table
Migrated: 2020_02_20_143124_create_students_table (0.28 seconds)
C:\xampp\htdocs\Laravel\Student_CRUD>
```

Fig 10.1 Creating Model (Student table)

C:\xampp\htdocs\Laravel\Student\_CRUD\config\database.php (Student\_CRUD) - Sublime Text (UNREGISTERED)

File Edit Selection Find View Goto Tools Project Preferences Help

```

34  */
35
36  'connections' => [
37
38      'sqlite' => [
39          'driver' => 'sqlite',
40          'url' => env('DATABASE_URL'),
41          'database' => env('DB_DATABASE', database_path('database.sqlite')),
42          'prefix' => '',
43          'foreign_key_constraints' => env('DB_FOREIGN_KEYS', true),
44      ],
45
46      'mysql' => [
47          'driver' => 'mysql',
48          'url' => env('DATABASE_URL'),
49          'host' => env('DB_HOST', 'localhost'),
50          'port' => env('DB_PORT', '3306'),
51          'database' => env('DB_DATABASE', 'laravel-demo'),
52          'username' => env('DB_USERNAME', 'root'),
53          'password' => env('DB_PASSWORD', ''),
54          'unix_socket' => env('DB_SOCKET', ''),
55          'charset' => 'utf8mb4',
56          'collation' => 'utf8mb4_unicode_ci',
57          'prefix' => '',
58          'prefix_indexes' => true,
59          'strict' => true,
60          'engine' => null,
61          'options' => extension_loaded('pdo_mysql') ? array_filter([
62              PDO::MYSQL_ATTR_SSL_CA => env('MYSQL_ATTR_SSL_CA'),
63          ]) : [],
64      ],
65
66      'pgsql' => [
67          'driver' => 'pgsql',
68          'url' => env('DATABASE_URL'),

```

Fig 10.2 Modifying the database file (database.php)

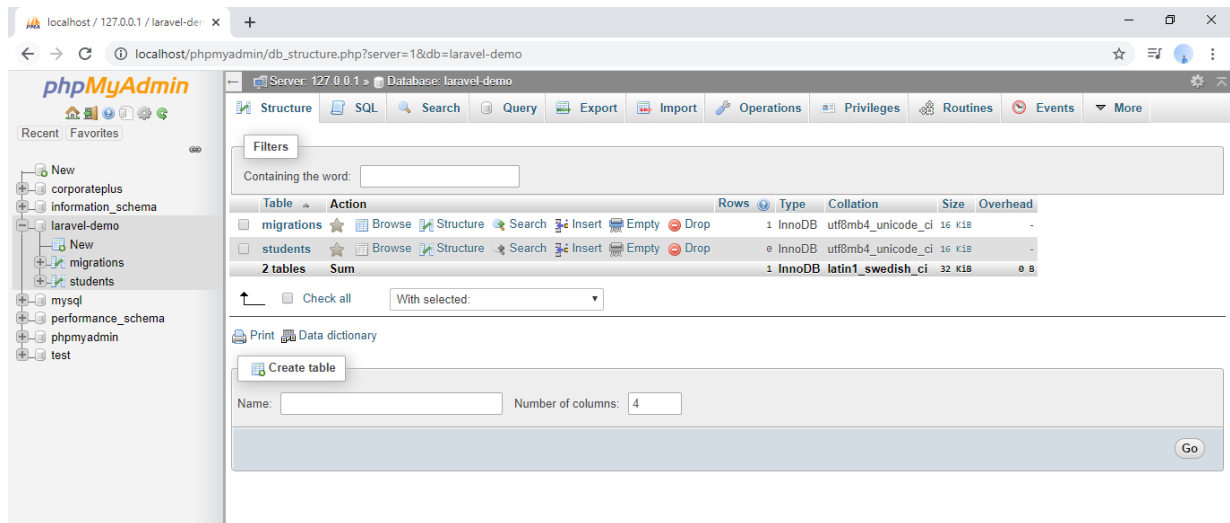


Fig 10.3 Database (laravel-demo) &amp; Table (students)

Laravel CRUD x +

← → ↻ 127.0.0.1:8000/student/create

### Add Data

Harsh

Patel

harshp1898@gmail.com

Gujarat

Submit

Fig 10.4 Adding new entry

Laravel CRUD x localhost / 127.0.0.1 / laravel-demo x +

← → ↻ localhost/phpmyadmin/sql.php?db=laravel-demo&table=students&pos=0

phpMyAdmin

Recent Favorites

- New
- corporateplus
- information\_schema
- laravel-demo
  - New
  - migrations
  - students
- mysql
- performance\_schema
- phpmyadmin
- test

Server: 127.0.0.1 » Database: laravel-demo » Table: students

Browse Structure SQL Search Insert Export Import

✓ Showing rows 0 - 0 (1 total, Query took 0.0014 seconds.)

SELECT \* FROM `students`

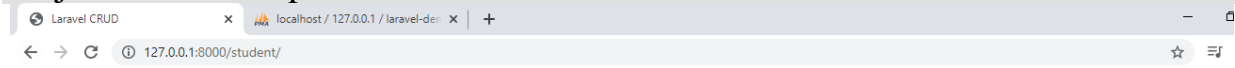
☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

	id	first_name	last_name	email	state
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1	Harsh	Patel	harshp1898@gmail.com	Gujarat

☐ Check all With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

Fig 10.5 New Entry added

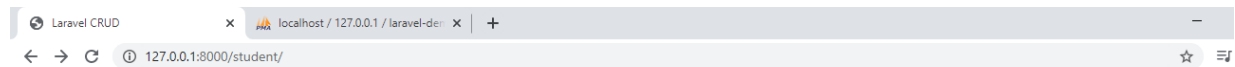


## Student Data

Add

First Name	Last Name	Email	State	Edit	Delete
Harsh	Patel	harshp1898@gmail.com	Gujarat	Edit	Delete
Rahul	Brahmbhatt	rahul1811@gmail.com	Goa	Edit	Delete
Rahul	Tiwari	rahulbt2016@gmail.com	UP	Edit	Delete
Vraj	Solanki	vraj@yahoo.co.in	MP	Edit	Delete
Jeet	Patel	jeetpatel@gmail.com	Tamil Nadu	Edit	Delete

Fig 10.6 Retrieving the entries from the database

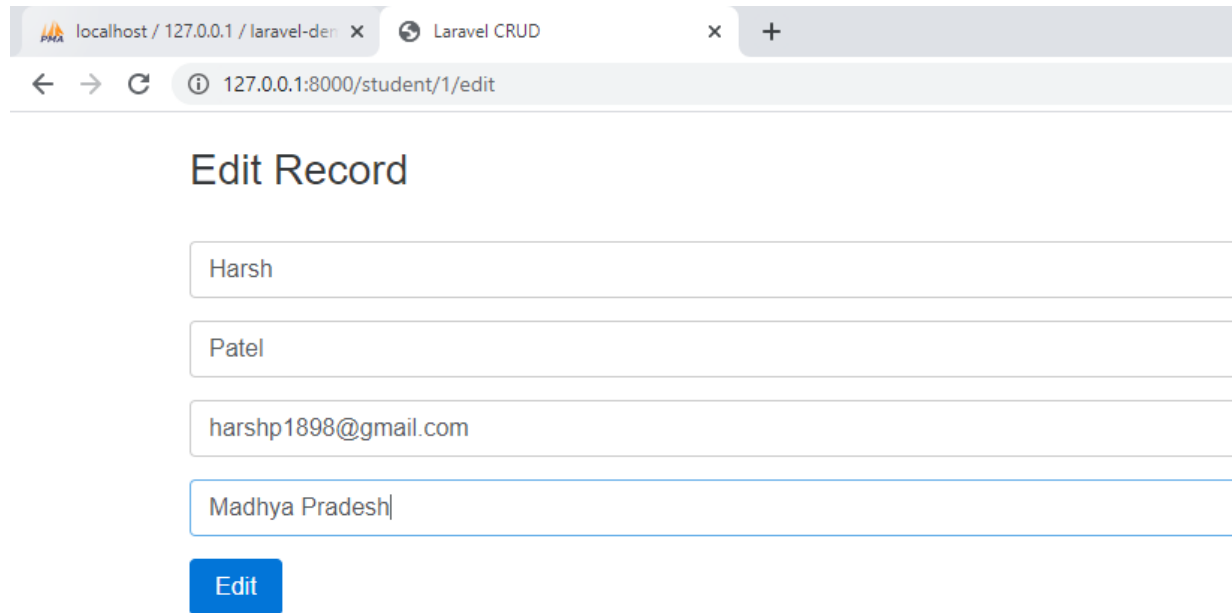


## Student Data

Add

First Name	Last Name	Email	State	Edit	Delete
Harsh	Patel	harshp1898@gmail.com	Gujarat	Edit	Delete
Rahul	Brahmbhatt	rahul1811@gmail.com	Goa	Edit	Delete
Rahul	Tiwari	rahulbt2016@gmail.com	UP	Edit	Delete
Vraj	Solanki	vraj@yahoo.co.in	MP	Edit	Delete
Jeet	Patel	jeetpatel@gmail.com	Tamil Nadu	Edit	Delete

Fig 10.7 Editing the Record(1)



localhost / 127.0.0.1 / laravel-den x Laravel CRUD x +

127.0.0.1:8000/student/1/edit

## Edit Record

Harsh

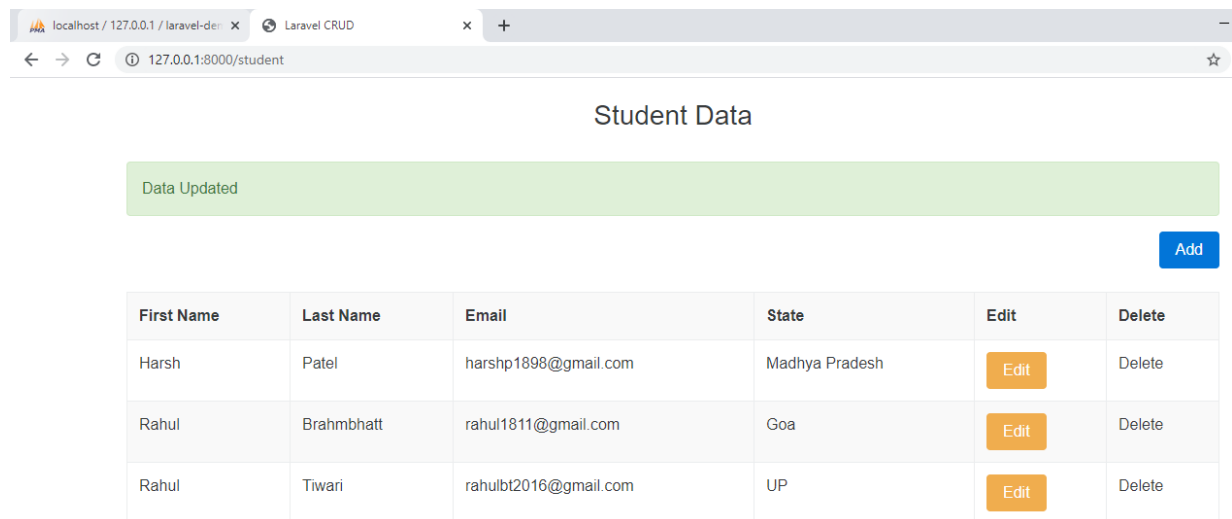
Patel

harshp1898@gmail.com

Madhya Pradesh

Edit

Fig 10.8 Editing the Record(2)



localhost / 127.0.0.1 / laravel-den x Laravel CRUD x +

127.0.0.1:8000/student ☆

## Student Data

Data Updated

Add

First Name	Last Name	Email	State	Edit	Delete
Harsh	Patel	harshp1898@gmail.com	Madhya Pradesh	Edit	Delete
Rahul	Brahmbhatt	rahul1811@gmail.com	Goa	Edit	Delete
Rahul	Tiwari	rahulbt2016@gmail.com	UP	Edit	Delete

Fig 10.9 Record Deleted

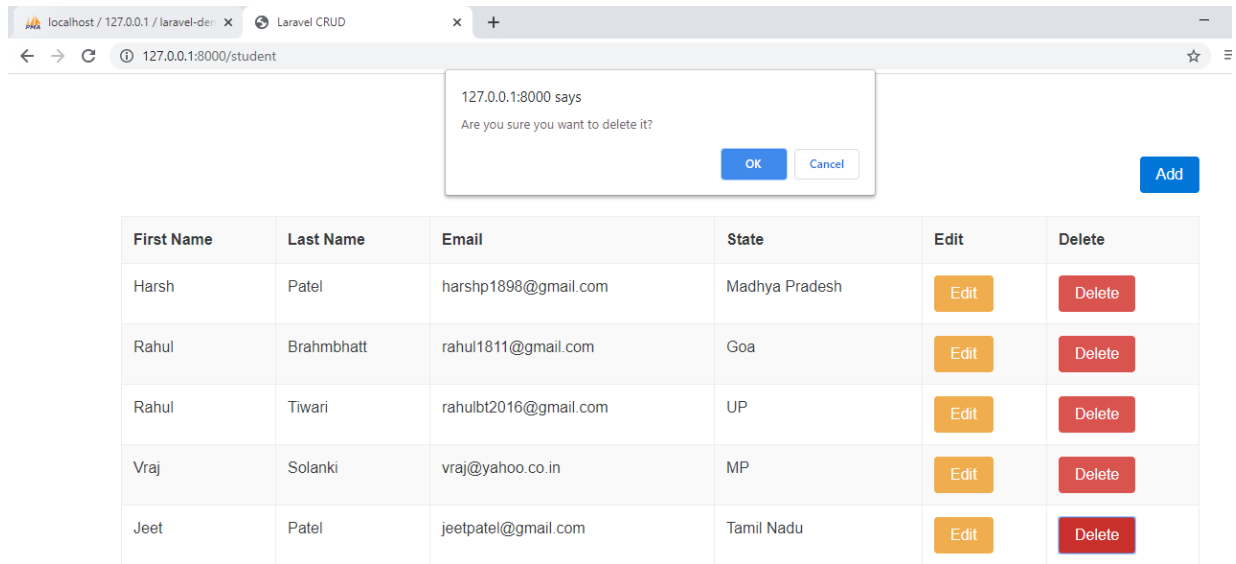


Fig 10.10 Deleting Record(Jeet Patel)

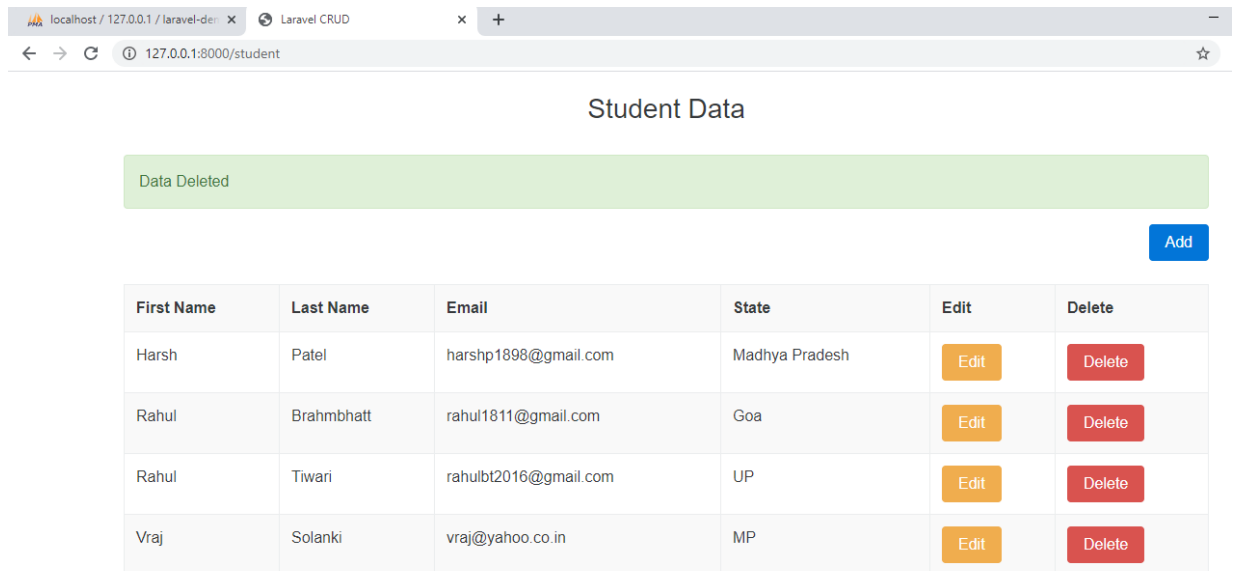


Fig 10.11 Record Deleted

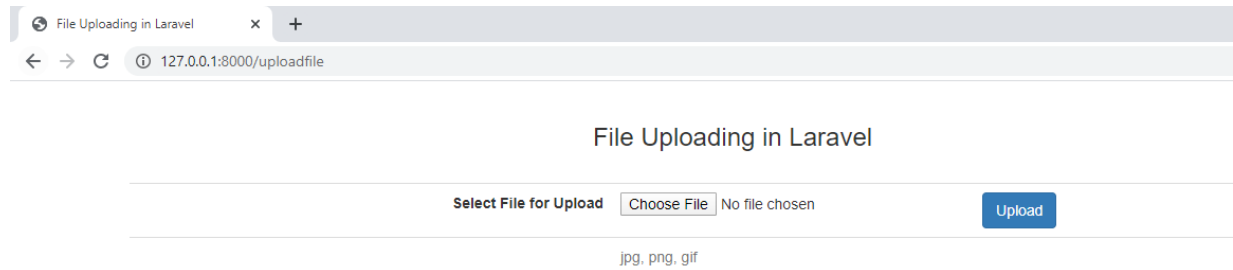


Fig 10.12 File Uploading in laravel

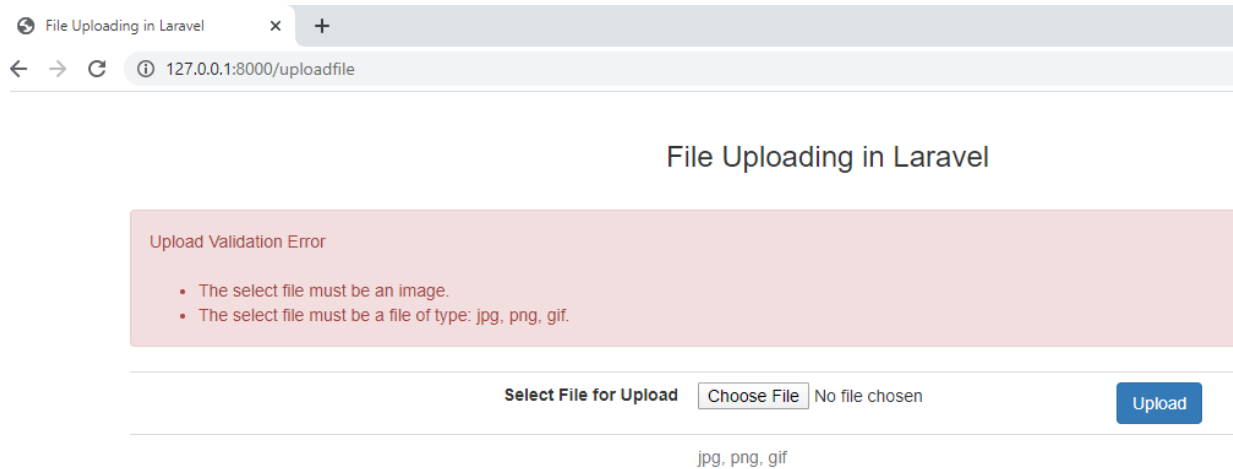


Fig 10.13 Validation (Won't let you upload any other format file)



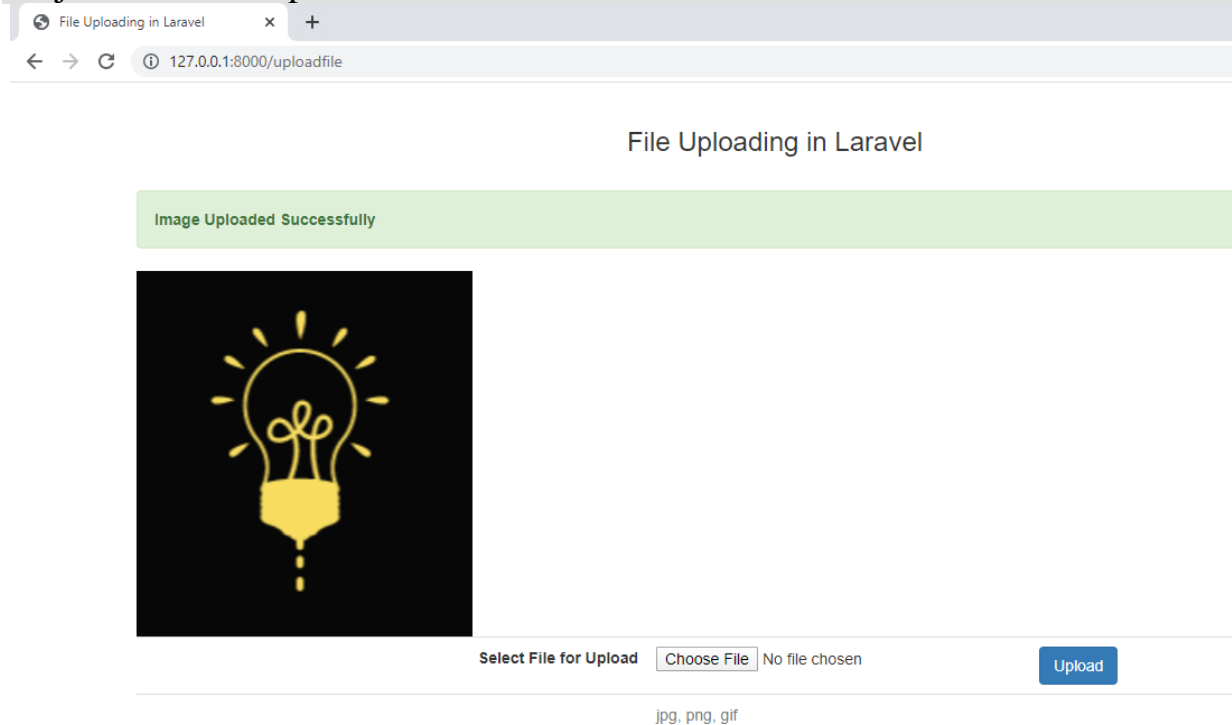


Fig 10.14.1 Uploading image

**Request New Fund**

**Employee ID**

**Name**

**Designation**

**Email Address**

**Phone Number**

**Amount (₹)**

**Reason for requesting amount**

Fig 10.15 Request Fund page

Fund Status Home / Fund Status

Available Fund Requests						
Name	Designation	Email	Contact Number	Amount (₹)	Reason	Status
Rahul Brahmhatt	HR	rahulbrahmhatt1811@gmail.com	9033969150	50000	Machine cost for production.	APPROVED
Rahul Brahmhatt	HR	rahulbrahmhatt1811@gmail.com	9033969150	250000	Personal Expenses	APPROVED
Rahul Brahmhatt	HR	rahulbrahmhatt1811@gmail.com	9033969150	25250	Raw materials ordering	REJECTED

Fig 10.16 Fund Status page for Accounts Department

Available Applicants Home / Show Applicants





Available Applicant's List							
Image	Name	Email	Contact Number	10th (%)	12th (%)	Diploma (%)	Highest Qualification
	Rahul	abc@xyz.com	9876543210	89%	75%	NA	B.Tech
	Vraj Patel	vrajkp99@gmail.com	9876543210	90%	80%	NA	B.Tech
	Rahul Brahmhatt	rahulbrahmhatt13@gmail.co	9033969150	89%	80%	na	B.Tech
	Harsh	harshp1898@gmail.com	8511540008	90%	80%	NA	B.Tech

Fig 10.17 Available Applicants list

Available Applicants [Home](#) / [Show Applicants](#)



Available Applicant's List							
<input type="text" value="rah"/> <input type="button" value="Q"/>							
Image	Name	Email	Contact Number	10th (%)	12th (%)	Diploma (%)	Highest Qualificat
	Rahul	abc@xyz.com	9876543210	89%	75%	NA	B.Tech
	Rahul Brahmbhatt	rahulbrahmbhatt13@gmail.co	9033969150	89%	80%	na	B.Tech

Fig 10.18 Result of search box where 'rah' is searched