



Jurusan Teknologi Informasi Politeknik Negeri Malang
UAS: CodeIgniter and Laravel
Advanced Web Programming Courses
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Class: *TI-2G*

For the final exam project, we have done a web page for a little hospital, then the front end is using CodeIgniter framework and the back end is using Laravel with restApi. Both of them has login. The report is as follow:

First is for the user using CodeIgniter:

1. Login using user both for username and password:

localhost/CodeIgniter/Hope/

roduction to Chi... Elearning Teknolog... List of Exams SQL Server Downlo... W Logique floue — W... MockFlow - Online... SQL Server

Login

Username

Oops, you missed this one.

Password

Login

Enter username and password

Login controller:

```
<?php

defined('BASEPATH') OR exit('No direct script access allowed');

class login extends CI_Controller {

    public function __construct()
    {
        parent::__construct();
        $this->load->helper('url');
    }
}
```



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Class: *TI-2G*

```
$this->load->helper('form');
$this->load->model('Login_model');

}

public function index()
{
    $data['title']='Login';
    $this->load->view('templates/header_login', $data);
    $this->load->view('login/index');
    $this->load->view('templates/footer_login', $data);
}

public function process_login()
{
    $username=$this->input->post('uname1');
    $password=$this->input->post('pwd1');

    $checklogin= $this->Login_model->login($username,$password);

    if ($checklogin) {
        foreach($checklogin as $row) {
            $this->session->set_userdata('user',$row->username);
            $this->session->set_userdata('level',$row->level);
            if ($this->session->userdata('level')== 'admin') {
                redirect('home/index');
            } elseif($this->session->userdata('level')== 'user') {
                redirect('user');
            }
        }
    } else {

        $data['pesan'] = "Wrong Username and Password";
        $data['title'] = 'Login';
    }
}
```



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```
$this->load->view('templates/header_login', $data);
$this->load->view('login/index', $data);
$this->load->view('templates/footer_login');

    // redirect('login/index','refresh');

}
}

public function logout()
{
    $this->session->sess_destroy();
    redirect('login','refresh');
}
}

/* End of file login.php */

?>
```

Login model:

```
<?php

defined('BASEPATH') OR exit('No direct script access allowed');

class Login_model extends CI_Model {
    public function login($username, $password)
    {
        $this->db->select('username,password,level');
        $this->db->from('user');
        $this->db->where('username',$username);
        $this->db->where('password',$password);
        $this->db->limit(1);
```



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```
$query= $this->db->get();
if($query->num_rows()==1){
    return $query->result();
}else {
    return false;
}
}

}

/* End of file Login_model.php */

?>
```

Login view:

```
<?=
form_open('login/process_login');
?>
<div class="container py-5">
    <div class="row">
        <div class="col md-12">
            <div class="row">
                <div class="col-md-6 mx-auto">

                    <div class="card rounded-0">
                        <div class="card-header">
                            <h3 class="mb-0">Login</h3>
                        </div>
                        <div class="card-body">
                            <form class="form" role="form"
                                autocomplete="off" id="formLogin" novalidate="" metho
d="POST">

                                <div class="form-group">
                                    <label for="uname1">Username</label>
                                    <input type="text" class="form-control form-
control-lg rounded-0"
```



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```
                name="uname1" id="uname1" required="")
                <div class="invalid-feedback">Oops, you missed this one.</div>
            </div>
            <div class="form-group">
                <label>Password</label>
                <input type="password" class="form-control form-control-lg rounded-0"
                    name="pwd1" id="pwd1" required="" autocomplete="new-password">
                <div class="invalid-feedback">Enter your password</div>
            </div>
            <button type="submit" class="btn btn-success btn-lg float-right">Login</button>
        </form>
    </div>
</div>

<div class="alert alert-info" role="alert">
    <?php
        if (isset($message)) {
            echo $message;
        } else {
            echo "Enter username and password";
        }
    <?>
</div>

</div>
</div>
</div>
</div>
<?php
form_close();
?>
```



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2. Next is after login we will have 3 menus as follow:
 - a. User can see All member name who has appointment:
user controller:

```
3. <?php
4.
5. defined('BASEPATH') OR exit('No direct script access allowed');
6.
7. class user extends CI_Controller {
8.
9.
10.     public function __construct()
11.     {
12.         parent::__construct();
13.         $this->load->helper('url');
14.         $this->load->helper('form');
15.         $this->load->model('Login_model');
16.         $this->load->model('Patient_model');
17.         $this->load->model('Print_model');
18.         $this->load->library('form_validation');
19.
20.
21.
22.         if ($this->session->userdata('level')!="user") {
23.             redirect('login', 'refresh');
24.         }
25.     }
26.
27.
28.     public function index()
29.     {
30.         $data= array(
31.             'title' => 'Patient Data',
32.             'patient' => $this->Patient_model->datatables()
33.         );
34.
35.         $this->load->view('templates/header_datatables_user', $data);
36.         $this->load->view('patient/user');
37.         $this->load->view('templates/footer_datatables_user');
38.     }
```



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```
39.
40.     public function patientData_pdf()
41.     {
42.         $this->load->library('pdf');
43.
44.         $data['patient'] = $this->Print_model->view();
45.         $this->load->library('pdf');
46.
47.         $this->pdf->setPaper('A3','portrait');
48.         $this->pdf->filename = "patient-report.pdf";
49.         $this->pdf->load_view('patient/report', $data);
50.
51.     }
52.
53.     public function appointment()
54.     {
55.         $data['title']='New App Register';
56.
57.         $this->form_validation->set_rules('name', 'Name', 'required');
58.         $this->form_validation-
59.         >set_rules('email', 'Email', 'required|valid_email');
60.         if ($this->form_validation->run() == FALSE)
61.         {
62.             $this->load-
63.             >view('templates/header_datatables_user', $data);
64.             $this->load->view('patient/appointment');
65.             $this->load->view('templates/footer_datatables_user');
66.         }
67.         else
68.         {
69.             $this->Patient_model->addPatientData();
70.             $this->session-
71.             >set_flashdata('dataflash','Adding success');
72.             redirect('user');
73.         }
74.     }
```



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```
75.  
76./* End of file user.php */  
77.  
78.??
```

Next is the model:

For getting all patient and put it into datatables: patient model

```
public function datatables()  
{  
    $query= $this->db->order_by('id','DESC')->get('patient');  
    return $query->result();  
}
```

Result:

Hope Data Member New appointment Print Member List LogOut

Patient Data

Show 10 entries Search:

#	Name	Email	Phone	Departement
1	Rafamantanantsoa Misa Antenaina	misaAnte@gmail.com	0987645346228	Dermatology
2	Randrianirina Nasandratra	nasandratra@gmail.com	0332147098	Pediatrics
3	Randriantseho Ninah	ninah@gmail.com	034567892024	Plastic Surgery
4	Abraham Alier	alier@gmail.com	08234567892022	Dentistry
5	Nariandrimalala Silami Narindra	silayar@gmail.com	0346282920827	Neurosurgery
6	Andriantsimba Sahoby	mami28niaina@gmail.com	082234546193	cardiology

Showing 1 to 6 of 6 entries Previous 1 Next

Be welcome, our dear user!!

b. Making new appointment registration:

model:

```
public function addPatientData()  
{  
    $data=[
```




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```
"name" => $this->input->post('name', true),  
"email" => $this->input->post('email', true),  
"phone" => $this->input->post('phone', true),  
"departement" => $this->input->post('departement', true)  
  
];  
$this->db->insert('patient', $data);  
}
```

Result:

[Home](#) [Data Member](#) [New appointment](#) [Print Member List](#) [LogOut](#)

New appointment register

Name

Mimis Gusti

Email

gusti@gmail.com

Phone

023456789

Departement

Plastic Surgery ▼

back

Add Data



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Class: *TI-2G*

Patient Data

Show entries

Search:

#	Name	Email	Phone	Departement
1	Mimis Gusti	gusti@gmail.com	023456789	Plastic Surgery
2	Rafamantanantsoa Misa Antenaina	misaAnte@gmail.com	0987645346228	Dermatology
3	Randrianirina Nasandratra	nasandratra@gmail.com	0332147098	Pediatrics
4	Randriantseho Ninah	ninah@gmail.com	034567892024	Plastic Surgery
5	Abraham Alier	alier@gmail.com	08234567892022	Dentistry
6	Nariandrimalala Silami Narindra	silayar@gmail.com	0346282920827	Neurosurgery
7	Andriantsimba Sahoby	mami28niaina@gmail.com	082234546193	cardiology

Showing 1 to 7 of 7 entries

Previous Next

Be welcome, our dear user!!

C. the last is for printing the list of registered appointment:
model:

```
<?php

defined('BASEPATH') OR exit('No direct script access allowed');

class print_model extends CI_Model
{
    public function view()
    {
        $this->db->select('Name,email,Phone,departement');
        $query= $this->db->get('patient');
        return $query->result();
    }
}

/* End of file print_model.php */
```



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Result:

The screenshot shows a PDF viewer window titled 'patient-report (1).pdf'. The address bar displays the file path: 'file:///C:/Users/acer/Downloads/patient-rep...'. The table content is as follows:

#	Name	Email	Phone	departement
1	Andriantsimba Sahoby	mami28nisaina@gmail.com	082234546193	cardiology
2	Nariandrimalala Silami Narindra	silayar@gmail.com	0346282920827	Neurosurgery
3	Abraham Alier	alier@gmail.com	08234567892022	Dentistry
4	Randriantsebeno Ninah	ninah@gmail.com	034567892024	Plastic Surgery
5	Randrianirina Nasandratra	nasandratra@gmail.com	0332147098	Pediatrics
6	Rafamantanantsoa Misa Antenaina	misaAnte@gmail.com	0987645346228	Dermatology

Second one is for the Admin session using Laravel framework:

1. We can register or login from the previous user already existed:

Login controller:

```
<?php

namespace App\Http\Controllers;

use App\User;
use Illuminate\Http\Request;

class LoginController extends Controller
```



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```
{  
    /**  
     * Display a listing of the resource.  
     *  
     * @return \Illuminate\Http\Response  
     */  
    public function login(Request $request)  
    {  
        $credentials = [  
            'username' => $request->username,  
            'password' => $request->password  
        ];  
  
        if (auth()->attempt($credentials)) {  
            $token = auth()->user()->createToken('TutsForWeb')->accessToken;  
            return response()->json(['token' => $token], 200);  
        } else {  
            return response()->json(['error' => 'UnAuthorised'], 401);  
        }  
    }  
}  
  
public function register(Request $request)  
{  
    $this->validate($request, [  
        'username' => 'required',  
        'password' => 'required|min:4',  
        'level' => 'required',  
    ]);  
  
    $user = User::create([  
        'username' => $request->username,  
        'password' => bcrypt($request->password),  
        'level' => $request->level  
    ]);  
  
    $token = $user->createToken('TutsForWeb')->accessToken;  
  
    return response()->json(['token' => $token], 200);  
}
```



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Class: *TI-2G*

```
}

public function details()
{
    return response()->json(['user' => auth()->user()], 200);
}

}
```

next is for login model:

```
LoginController.php  Login.php X  app.php  User.php
app > Login.php
1  <?php
2
3  namespace App;
4
5  use Illuminate\Database\Eloquent\Model;
6
7  class Login extends Model
8  {
9      protected $table= "user";
10 }
11
```

we see the result using postman because it uses restApi:



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POST http://localhost:8000/api/login Send Save

KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/> username	Admin			
<input checked="" type="checkbox"/> password	admin			
<input type="checkbox"/> level	admin			
Key	Value	Description		

Body Cookies Headers (9) Test Results Status: 200 OK Time: 36.12 s Size: 1.21 KB Save Response

Pretty Raw Preview Visualize JSON

```
1
2  "token":
   "eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJhdWQiOiJ1IiwianRpIjoiejQ1ODM5Zz1kZTQ0NjYxZmY0NjU3N2Q1YmVlNDh1MzAxOTNmOWEzNjQxOGI1OTUwMmE2NjYzMTY0
   NmMzZGRlNmMxNGVjMThhYTl3OGZnN2Y1LCJpYXQiOiJlOTAwMTU5MTU5MDY1ODAxNSw1ZmY0NjU3N2Q1YmVlNDh1MzAxOTNmOWEzNjQxOGI1OTUwMmE2NjYzMTY0
   HCs6QRTdBR86WlnheO6wV72KRktoMid-IwYx6O9A0rG7eJdAEeb8iodtSwE11SGWfFr71oHpKzIM01-WzEeeNURuOL1Dxcq_xrNh0kKag2afvpuwPZwJnTiUfC4fZQdQPZYdR41W2iG
   7cyqGDrhR9cQEk9jMRRITWLYIZ70ttxaZOM821LYU7KmFkIbXIOShCBHqjB8451ueRsjM80xCMUuuvcoTAgprPm5kXFCP7cehv-LAAZMF6wNDwYoBF6R87vtUAC6eu5J66t1Y0oo
   ts8LV1mVAKaFmhOS0SrWs1_4fCZw6SDyJVR8Me7htRxAb4p7PhT7toP5SUHC1uTGkkdZNI6kD94uyfre99nOEdFsBoBSZFyZpXswegoZDzpp8DZisG7gO460DX1xXI0NMZBQ8vYwU
   amdnhSR0VYUsz3VhCRYcdWF7tHr7KR2F4v7QMbI_103_F46qzRH_ruzFM0__Sif3sGxmzsw3weETQZSC6oKvALLmK6_112Kt7Zf9ryD3pdJkm5-0TjKwfaKy-_Mxmp7oz1uFnnNet
   CbtK2rGrbAUDu11PKk51UmzTWDi916GHeFwmoBA6aEqCacJ54CEVAbcpFU-n6uRQy1AXBm1TM42JAIfp-120x8iSX9DK5KEh2THgqYudk3G8_61rdI6k1db9aRShOmP4qhs"
3
```

After that we can go to the patient data:

Read all of it:

Patient controller

```
<?php

namespace App\Http\Controllers;

use App\Patient;
use Illuminate\Http\Request;

class PatientController extends Controller
{
    /**
     * Display a listing of the resource.
     *
     * @return \Illuminate\Http\Response
     */
    public function index()
    {
        $data = Patient::all();
    }
}
```



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```
        if (count($data) > 0) {
            $res['message'] = "success!!!";
            $res['values'] = $data;
            return response($res);
        } else {
            $res['message'] = "empty";
            return response($res);
        }
    }

}

public function getId($id)
{
    $data = Patients::where('id',$id)->get();

    if (count($data) > 0) {
        $res['message'] = "success!!!";
        $res['values'] = $data;
        return response($res);
    } else {
        $res['message'] = "Failed!!";
        return response($res);
    }
}

public function create(Request $request)
{
    $pt = new Patients();
    $pt->Name=$request->Name;
    $pt->email=$request->email;
    $pt->Phone=$request->Phone;
    $pt->departement=$request->departement;

    if ($pt->save()) {
        $res['message'] = "Data successfully added";
        $res['value'] = "$pt";
        return response($res);
    }
}
```



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```
}

public function update(Request $request, $id)
{
    $Name = $request->Name;
    $email = $request->email;
    $Phone = $request->Phone;
    $departement = $request->departement;

    $pt = Patients::find($id);
    $pt->Name = $Name;
    $pt->email = $email;
    $pt->Phone = $Phone;
    $pt->departement = $departement;

    if ($pt->save()) {
        $res['message'] = "Data successfully updated!";
        $res['value'] = "$pt";
        return response($res);
    } else {
        $res['message'] = "Failed!!";
        return response($res);
    }
}

public function delete($id)
{
    $pt = Patients::where('id',$id);

    if ($pt->delete()) {
        $res['message'] = "Data deleted successfully!!";
        return response($res);
    } else {
        $res['message'] = "Failed!!!!";
        return response($res);
    }
}
```




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```
}
```

Patient model:

```
<?php

namespace App;

use Illuminate\Database\Eloquent\Model;

class Patients extends Model
{
    protected $table = 'patient';
}
```

Result read all patient:



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```
GET http://localhost:8000/api/patient Send Save

Pretty Raw Preview Visualize JSON

3  "values": [
4    {
5      "id": 1,
6      "Name": "Andriantsimba Sahoby",
7      "email": "mami28niaina@gmail.com",
8      "Phone": "082234546193",
9      "departement": "cardiology",
10     "created_at": null,
11     "updated_at": null
12   },
13   {
14     "id": 2,
15     "Name": "Nariandrimalela Silami Narindra",
16     "email": "silayar@gmail.com",
17     "Phone": "0346282920827",
18     "departement": "Neurosurgery",
19     "created_at": null,
20     "updated_at": null
21   },
22   {
23     "id": 3,
24     "Name": "Abraham Alier",
25     "email": "alier@gmail.com",
26     "Phone": "08234567892022",
27     "departement": "Dentistry",
28     "created_at": null,
29     "updated_at": null
30   }
31 ]
```

Result of create patient:

```
POST http://localhost:8000/api/patient Send Save

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL

KEY VALUE DESCRIPTION ... Bulk Edit
[x] Name Selena Gomez
[x] email Gomez@gmail.com
[ ] Phone 09765433210
[ ] departement Plastic Surgery
Key Value Description

Body Cookies Headers (9) Test Results Status: 200 OK Time: 1424 ms Size: 545 B Save Response

Pretty Raw Preview Visualize JSON

1 {
2   "message": "Data successfully added",
3   "value": "{\"Name\":\"Selena Gomez\",\"email\":\"Gomez@gmail.com\",\"Phone\":\"09765433210\",\"departement\":\"Plastic Surgery\",
4   \"updated_at\":\"2020-05-28T09:35:11.000000Z\",\"created_at\":\"2020-05-28T09:35:11.000000Z\",\"id\":\"9\"}"
5 }
```



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We can also get the patient by their proper ID:

```
GET http://localhost:8000/api/patient/9
```

```
{
  "message": "success!!",
  "values": [
    {
      "id": 9,
      "Name": "Selena Gomez",
      "email": "Gomez@gmail.com",
      "Phone": "09765433210",
      "departement": "Plastic Surgery",
      "created_at": "2020-05-28T09:35:11.000000Z",
      "updated_at": "2020-05-28T09:35:11.000000Z"
    }
  ]
}
```

Next is we can update patient data:

```
PUT http://localhost:8000/api/patient/update/9
```

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> Name	Selena Gomez JB	
<input checked="" type="checkbox"/> email	Gomez@gmail.com	
<input checked="" type="checkbox"/> Phone	09765433210	
<input checked="" type="checkbox"/> departement	Dermatology	
Key	Value	Description

```
Body Cookies Headers (9) Test Results Status: 200 OK Time: 1084 ms Size: 546 B Save Response
```

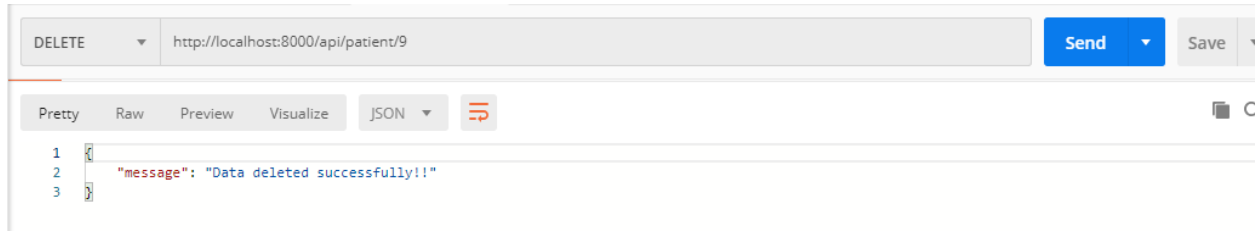
```
Pretty Raw Preview Visualize JSON
```

```
{
  "message": "Data successfully updated!",
  "value": {
    "id": 9,
    "Name": "Selena Gomez JB",
    "email": "Gomez@gmail.com",
    "Phone": "09765433210",
    "departement": "Dermatology",
    "created_at": "2020-05-28T09:35:11.000000Z",
    "updated_at": "2020-05-28T09:39:32.000000Z"
  }
}
```



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The last functionality is delete patient if needed:



2. The second one is Crud for people list that has been and is still volunteer in the hospital:
Following is the controller:

```
3. <?php
4.
5. namespace App\Http\Controllers;
6.
7. use App\People;
8. use Illuminate\Http\Request;
9.
10. class PeopleController extends Controller
11. {
12.     /**
13.      * Display a listing of the resource.
14.      *
15.      * @return \Illuminate\Http\Response
16.      */
17.     public function index()
18.     {
19.         $data = People::all();
20.
21.         if (count($data) > 0) {
22.             $res['message'] = "success!!!";
23.             $res['values'] = $data;
24.             return response($res);
25.         } else {
26.             $res['message'] = "empty";
27.             return response($res);
28.         }
29.     }
30. }
```



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```
31. public function getId($id)
32. {
33.     $data = People::where('id',$id)->get();
34.
35.     if (count($data) > 0) {
36.         $res['message'] = "success!!";
37.         $res['values'] = $data;
38.         return response($res);
39.     } else {
40.         $res['message'] = "Failed!!";
41.         return response($res);
42.     }
43. }
44. public function create(Request $request)
45. {
46.     $pl = new People();
47.     $pl->name=$request->name;
48.     $pl->email=$request->email;
49.     $pl->phone=$request->phone;
50.     $pl->address=$request->address;
51.
52.     if ($pl->save()) {
53.         $res['message'] = "Data successfully added";
54.         $res['value'] = "$pl";
55.         return response($res);
56.     }
57. }
58.
59. public function update(Request $request, $id)
60. {
61.     $name = $request->name;
62.     $email = $request->email;
63.     $phone = $request->phone;
64.     $address = $request->address;
65.
66.     $pl = People::find($id);
67.     $pl->name = $name;
68.     $pl->email = $email;
69.     $pl->phone = $phone;
```



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```
70.         $p1->address=$address;
71.
72.         if ($p1->save()) {
73.             $res['message']= "Data successfully updated!";
74.             $res['value'] = "$p1";
75.             return response($res);
76.         } else {
77.             $res['message'] = "Failed!!";
78.             return response($res);
79.         }
80.     }
81.
82.     public function delete($id)
83.     {
84.         $p1 = People::where('id',$id);
85.
86.         if ($p1->delete()) {
87.             $res['message']="Data deleted successfully!!";
88.             return response($res);
89.         } else {
90.             $res['message']= "Failed!!!!";
91.             return response($res);
92.         }
93.     }
94. }
95.
```

Next is the model for people:

```
<?php

namespace App;

use Illuminate\Database\Eloquent\Model;

class People extends Model
{
    protected $table="people";
```

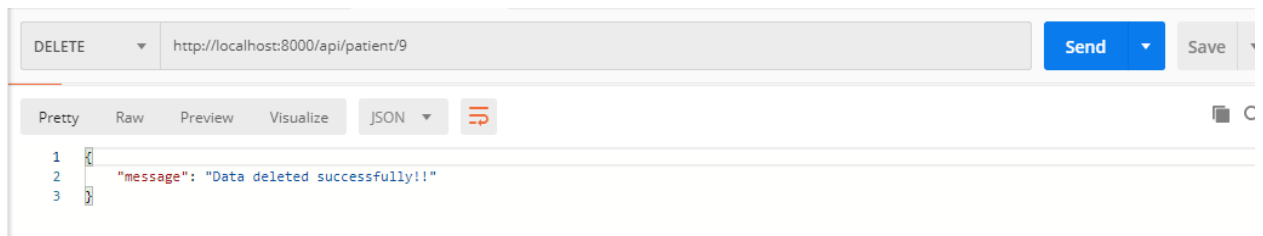


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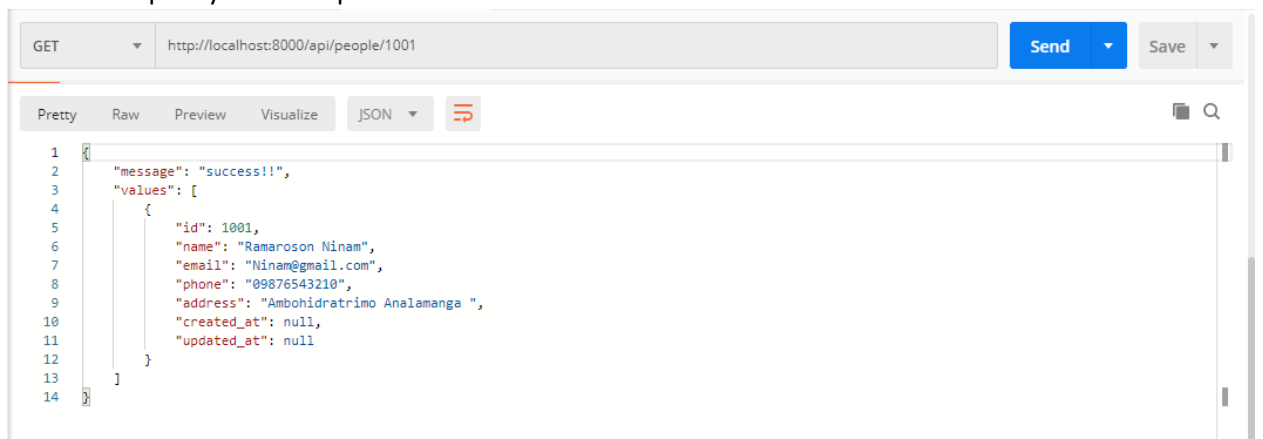
```
}
```

Here we can see result using postman App:

1. Read all volunteer:



2. Get the People by their unique ID:



3. Next is for inserting new volunteer people:



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POST http://localhost:8000/api/people Send Save

KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/> name	Selena Gomez JB			
<input checked="" type="checkbox"/> email	Gomez@gmail.com			
<input checked="" type="checkbox"/> phone	09765433210			
<input checked="" type="checkbox"/> address	LA			
Key	Value	Description		

Body Cookies Headers (9) Test Results Status: 200 OK Time: 1001 ms Size: 535 B Save Response

Pretty Raw Preview Visualize JSON 🔍

```
1 {
2   "message": "Data successfully added",
3   "value": "{\n\"name\": \"Selena Gomez JB\", \"email\": \"Gomez@gmail.com\", \"phone\": \"09765433210\", \"address\": \"L.A\",
4     \"updated_at\": \"2020-05-28T09:48:53.000000Z\", \"created_at\": \"2020-05-28T09:48:53.000000Z\", \"id\": 1003}"
```

4. Next is updating data:

PUT http://localhost:8000/api/people/update/1003 Send Save

Params Authorization Headers (9) **Body** Pre-request Script Tests Settings Cookies Code

☐ none ☐ form-data ☒ x-www-form-urlencoded ☐ raw ☐ binary ☐ GraphQL

KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/> name	Selena Bieber			
<input checked="" type="checkbox"/> email	Bieber@gmail.com			
<input checked="" type="checkbox"/> phone	09765433210			
<input checked="" type="checkbox"/> address	LA			
Key	Value	Description		

Body Cookies Headers (9) Test Results Status: 200 OK Time: 1169 ms Size: 536 B Save Response

Pretty Raw Preview Visualize JSON 🔍

```
1 {
2   "message": "Data successfully updated!",
3   "value": "{\n\"id\": 1003, \"name\": \"Selena Bieber\", \"email\": \"Bieber@gmail.com\", \"phone\": \"09765433210\", \"address\": \"L.A\",
4     \"created_at\": \"2020-05-28T09:48:53.000000Z\", \"updated_at\": \"2020-05-28T09:50:15.000000Z\"}"
```




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5. And then delete data if needed:



~Thank you, Dear Teacher~