# Hospital Management System.

[WPSI/NVIT-M/33/03]





#### **HOSPITAL MANAGEMENT SYSTEM**

### **Laravel final Project**



## **Submitted by**

Batch: WPSI/NVIT-M/33/01

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## Under the supervision of

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Trainer
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# **Technology Stock**



## **Technology Usage stock**

#### User interface & client

Web Browsers, Mozilla Firefox, Google Chrome

### **Application Server**

**Apace** 

## Language & Library

Laravel php framework, JavaScript, jQuery, Bootstrap, CSS3, HTML5

#### **Database Server**

**MySQL** 

## Administrator



## **ACCESS ADMINISTRATOR LIST**

## User list

Sl	Type Of User	Access Privilege	Created By
01	Admin	Super Admin (all kind of access)	HRM
02	Doctor	Only Doctor prescription allow his own.	Admin/HRM
03	Receptionist	Patient (Registration, Doctor Appointment, Test, Admit)	Admin/HRM
04	Accountant	Access Account site	Admin/HRM

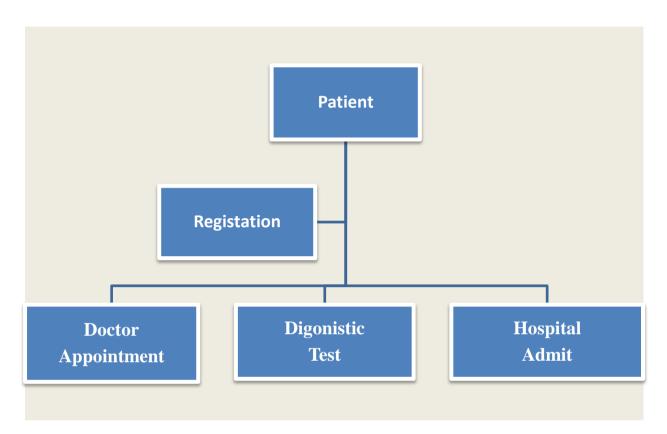
<sup>\*\*</sup> HRM are the all kind of access without Account Sector.

<sup>\*\*</sup> All user can access only his own profile.

## **Patient Sector**



### **NEW PATIENT**



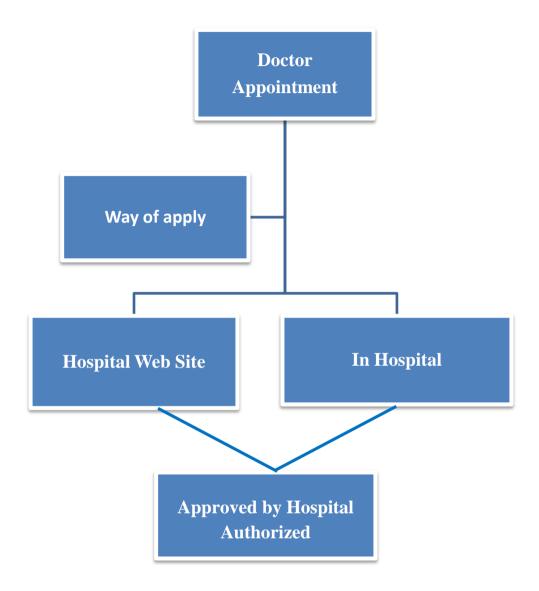
#### **New patient work :**

- 1. At first all patient will be registration for any hospital service.
- 2. A patient have two way for registration for hospital service.
  - I. Hospital web site (It only for Doctor appointment).
    - II. In hospital (By Hospital service holder ).

Note: All registration form approved by Hospital service Provider

3. After Registration a Patient ID and ID Card Will Generate for every patient (ID Will be randomly).

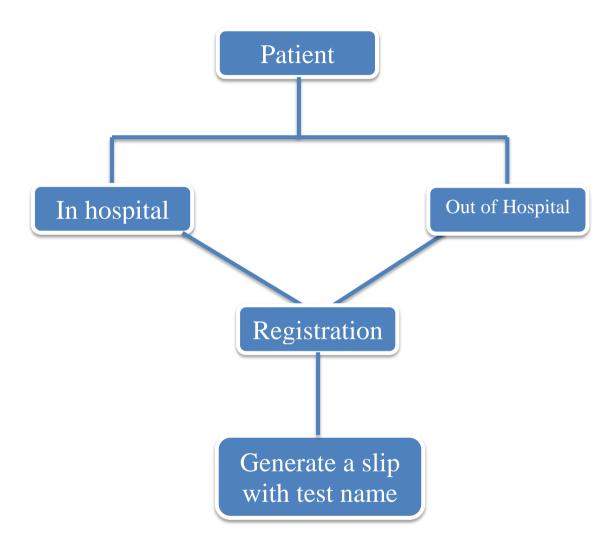
### **DOCTOR APPIONTMENT**



#### **Work for Doctor Appointment :**

- 1. Patient will be Doctor Appointment in two way-
  - I. Hospital Web site. (After Registration and id generate).
  - II. In hospital.
- 2. Two way will be approved by Hospital Authorized.
- 3. A patient will be appointment in doctor schedule wise.
- 4. Doctor will gendered patient prescription in appointment list and print.
- 5. After Authorized on Appointment Token will generate and given it to patient.

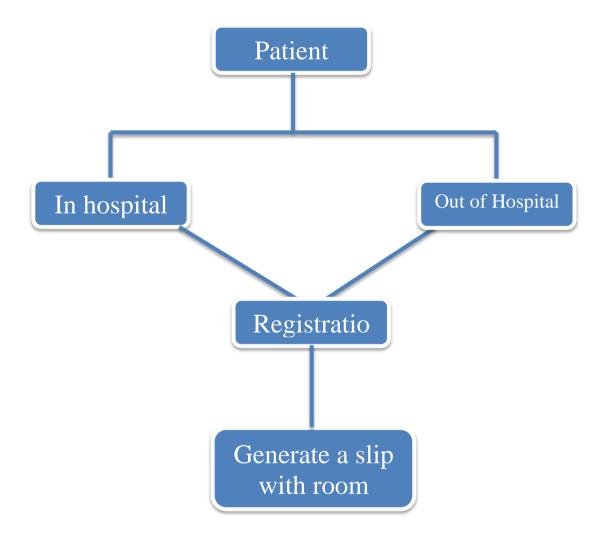
### **Diagnostic Test**



#### **♣** Work for Hospital Test :

- 1. Patient will be come for tested in two way-
  - I. Out of hospital. (reference of another Dr. or Hospital).
  - II. In hospital.
- 2. Two way will be approved by Hospital Authorized.
- 3. After Authorized on Appointment test selip will generate and given it to patient.

### **Hospital Admit**

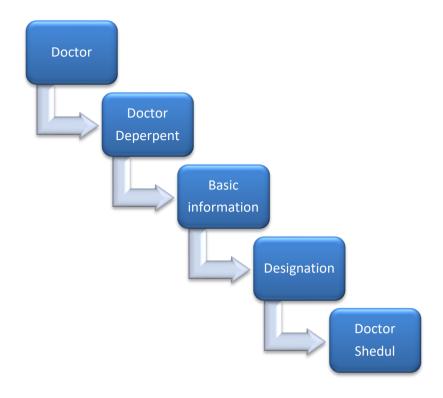


#### **Work for Hospital Test:**

- 1. Patient will be come for admit in hospital in two way-
  - I. Out of hospital. (reference of another Dr. or Hospital).
  - II. In hospital.
- 2. Two way will be approved by Hospital Authorized.
- 3. After Authorized on Appointment test slip (with room no) will generate and given it to patient.

## **DOCTOR SECTOR**





#### **Work for Doctor Sector:**

- 1. Doctor all basic information will be inserted by the HRM/Admin.
- 2. Beside his basic information his have educational and specialist option.
- 3. All Doctor have a own profile and his Access user name or password.
- 4. A Doctor only access his profile for his patient prescribe and see his patient list.
- 5. A Doctor have visit schedule.

# HUMAN RESOURCES MANAGEMENT SECTOR





#### Employee Management :

> Add Employee : Add all kind of hospital Employee in

Categories Oise.

➤ Manage Employee : Edit, Update, Delete & show profile of a

Employee.

> Employee Schedule : All hospital roster scheduling will

completed in this part.

#### 🖶 Equipment Management :

> Room Management :

 Add Room: Categories Oise add room with its (Room no, room price, room capacity).

Manage Room : Edit, Update, Delete & show profile of a Hospital room.

#### Investigation Management :

- Add Investigation: Categories Oise add Investigation list with price & its Room no.
- Manage Investigation: Edit, Update, Delete & show profile of a Hospital Investigation list.

#### **▶** Medicine Management :

Its type of medicine only for Hospital Emergency & Hospital laboratories.

- Add Medicine: Categories Oise Add medicine list.
- Manage Medicine: Edit, Update, Delete & show stock of a Hospital Investigation Medicine list.

#### Hospital Activities:

- ➤ **Birth Certificate**: When a child will born in Hospital a birth certificate will generate by hospital authorized sign by reference Doctor.
- Manage Birth Certificate : Edit, Update show certificate of a patient child.
- ➤ **Death Certificate**: When a Patient will death in Hospital a death certificate will generate by hospital authorized sign by duty Doctor.
- ➤ Manage Death Certificate : Edit, Update show certificate of a Death Patient.
- ➤ Operation Schedule : A patient Operation time and schedule set in this part with doctor name.
- ➤ Manage Operation schedule : Edit, Update, Delete Operation schedule of a patient.

# **Report Sector**



#### Report generate :

- Total patient in Hospital (Doctor list Oise). daily, weekly. monthly.
- 2. Total test report.
- 3. Total admitted patient report.
- 4. Employee schedule report.

## **Database Structure**



#### Table default six filed are

SI	Filed type	Filed name	Remark
01	integer	status	default (1)
02	integer	created_by	
03	integer	updated_by	
04		softDeletes	
05		timestamps	

## **Authentication Table**

<b>Table Name</b>	roles		
SI	Filed type	Filed name	Remark
01	integer	role_id	
02	string	role_name	
03	integer	status	default (1)
04	integer	created_by	
05	integer	updated_by	
06		softDeletes	

<sup>\*\*</sup> roles table are use in employee categories.

<b>Table Name</b>	users			
SI	Filed type	Filed name		Remark
01	integer	id		
02	integer	employ_id		foreign_key
03	string	email		foreign key
04	string	password		
05	string	remember_token		
Default six (6) filed inserted				

<sup>\*\*</sup> Users can access by using his email and password. using users table. and role set in roles table.

## **Patient**

### **Patient Basic information Table (registation)**

Table Name	Table Name patient_models			
SI	Filed type	Filed name	Remark	
01	integer	id		
02	string	patient_id		
03	string	first_name		
04	string	last_name		
05	string	email		
06	string	phone		
07	text	present_address		
08	text	permanent_address		
09	string	picture		
10	date	birth_date		
11	string	sex		
12	integer	blood_id	foreign key	
	Default :	six (6) filed inserted		

<sup>\*\*</sup> All patient basic information will inserted in this table. we find our patient in this table. by patient\_id.

### **Patient Appointment Table (for doctor)**

<b>Table Name</b>	appointment_models			
SI	Filed type	Filed name	Remark	
01	integer	app_id		
02	integer	patient_id	foreign key	
03	integer	employ_id	foreign key	
04	date	app_date		
05	string	serial		
06	text	problem		
07	integer	approve		
	Default six (6) filed inserted			

<sup>\*\*</sup> Only using for Doctor appointment. by patient\_id.

<sup>\*\*</sup> Patient\_id will generate using id.

## **Patient admit Table**

Table Name	Table Name patient_admit_models			
SI	Filed type	Filed name	Remark	
01	integer	admit_id		
02	integer	patient_id	foreign key	
03	string	father_name		
04	string	mother_name		
05	string	husband_name		
06	string	marridul_status		
07	string	doctor_ref		
08	text	problem		
09	date	admit_date		
10	integer	room_id	foreign key	
11	string	guardian		
12	string	relation		
13	text	condition		
	Default si	x (6) filed inserted		

<sup>\*\*</sup> Hospital patient admitted registration form. (in hospital or out of hospital)

## **Test Table**

Table Name	invest_cat_models				
SI	Filed type	Filed name		Remark	
01	integer	inv_cat_id			
02	02 string inv_cat_name				
Default six (6) filed inserted					

<b>Table Name</b>	invest_list_models				
SI	Filed type	Filed name		Remark	
01	integer	inv_list_id			
02	integer	inv_cat_id		foreign key	
03	string	invset_name			
04	text	description			
05 double price					
Default six (6) filed inserted					

<sup>\*\*</sup> invest\_list\_models are relation with invest\_cat\_model.

<b>Table Name</b>	test_details_models			
SI	Filed type	Filed name		Remark
01	integer	test_details_id		
02	integer	test _id		foreign key
03	integer	inv_list_id		foreign key
Default six (6) filed inserted				

Table Name	test_models				
SI	Filed type	Filed name	Remark		
01	integer	test_id			
02	integer	patient_id	foreign key		
03	double	vat			
04	double	discount			
05 double paid					
Default six (6) filed inserted					

<sup>\*\*</sup> investigation payment table.

### **Patient Prescribe Table**

<b>Table Name</b>	Patient_prescribe			
SI	Filed type	Filed name	Remark	
01	integer	prescribe_id		
02	integer	patient_id	foreign key	
03	string	СС		
04	integer	inv_id	foreign key	
05	string	advice		
Default six (6) filed inserted				

<sup>\*\*</sup> for doctor prescription.

### **Patient medicen Table**

<b>Table Name</b>	Table Name   Patient_prescribe_medicen			
SI	Filed type	Filed name		Remark
01	integer	pres_medi_id		
02	integer	prescribe_id		foreign key
03	integer	medicen_cat_id		foreign key
03	string	madicen_name		
04	string	dose		
Default six (6) filed inserted				

\*\*

### Patient medicen catagories Table

<b>Table Name</b>	Patient_medicen_catagories			
SI	Filed type	Filed name		Remark
01	integer	medicen_cat_id		
02	string	medicen_name		
Default six (6) filed inserted				

<sup>\*\*</sup> add only for patient medicen catagories.

## **Doctor**

## **Doctor Designation Table**

<b>Table Name</b>	designation_models			
SI	Filed type	Filed name		Remark
01	integer	designation_id		
02	string	desig_name		
03	text	design_des		
Default six (6) filed inserted				

<sup>\*\*</sup> use for select designation in doctor form.

## **Doctor department Table**

<b>Table Name</b>	department_models			
SI	Filed type	Filed name		Remark
01	integer	depertment_id		
02	string	dep_name		
03	text	dep_des		
Default six (6) filed inserted				

<sup>\*\*</sup> use for select depertment in doctor form.

## **Doctor Table**

Table Name	doctor_models		
SI	Filed type	Filed name	Remark
01	integer	doctor_id	
02	integer	employ_id	foreign_key
03	integer	designation_id	foreign_key
04	integer	depertment_id	foreign_key
05	text	biography	
06	string	specialist	
07	text	education	
08	double	fees	
Default six (6) filed inserted			

<sup>\*\*</sup> Doctor qualification are inserted in table. basic are inserted in employee table.

## **Doctor prescription Table**

<b>Table Name</b>	prescription_models		
SI	Filed type	Filed name	Remark
01	integer	prescription_id	
02	integer	app_id	foreign_key
03	text	СС	
04	text	inv	
05	text	advice	
06	integer	visit	
Default six (6) filed inserted			

<sup>\*\*</sup> Doctor prescribe this table.

<b>Table Name</b>	prescription_medi_models		
SI	Filed type	Filed name	Remark
01	integer	pres_medi_id	
02	integer	prescription_id	foreign_key
03	string	medi_name	
04	string	type	
05	string	dose	
06	string	note	
07	integer	duration	
	Default six (6) filed inserted		

<sup>\*\*</sup> Doctor prescribe medicine are store this table.

## **Employee**

## **Employee Table**

<b>Table Name</b>	Table Name employ_basic_models			
SI	Filed type	Filed name	Remark	
01	integer	employ_id		
02	integer	role_id	foreign_key	У
03	string	first_name		
04	string	last_name		
05	string	email		
06	string	phone		
07	string	sex		
08	date	birth_date		
09	integer	blood_id	foreign_key	У
10	string	picture		
11	text	present_address		
12	text	permanent_address		
	Default six (6) filed inserted			

<sup>\*\*</sup> All employee are inserted this table. (basic Information)

## **Shift Table**

Table Name	shift_models		
SI	Filed type	Filed name	Remark
01	integer	shift_id	
02	string	s_name	
03	string	start	
04	string	end_time	
Default six (6) filed inserted			

<sup>\*\*</sup> for shift table for employ work shift .(With doctor).

## day Table

<b>Table Name</b>	days		
SI	Filed type	Filed name	Remark
01	integer	day_id	
02	string	day_name	
Default six (6) filed inserted			

<sup>\*\*</sup> day select for table.

## schedule Table

Table Name	schedule_models		
SI	Filed type	Filed name	Remark
01	integer	schedule_id	
02	integer	employ_id	foreign_key
03	integer	day_id	foreign_key
04	integer	sift_id	foreign_key
Default six (6) filed inserted			

<sup>\*\*</sup>Employee Time schedule are fixed in this table.

<b>Table Name</b>	bloods			
SI	Filed type	Filed name		Remark
01	integer	blood_id		
02	string	blood_name		
Default six (6) filed inserted				

<sup>\*\*</sup> blood table are used in multiple form.

## **Room Management**

<b>Table Name</b>	room_cat_models			
SI	Filed type	Filed name		Remark
01	integer	room_cat_id		
02	string	room_cat_name		
Default six (6) filed inserted				

<sup>\*\*</sup> Room Category table. (ac/non ac)

<b>Table Name</b>	room_list_models			
SI	Filed type	Filed name		Remark
01	integer	room_list_id		
02	integer	room_cat_id		foreign_key
03	integer	room_no		
04	integer	floor_no		
05	text	description		
06	integer	capacity		
07	double	price		
Default six (6) filed inserted				

## **Birth registration form Table**

Table Name	birth_models		
SI	Filed type	Filed name	Remark
01	integer	birth_id	
02	integer	patient_id	foreign_key
03	string	title	
04	date	birth_date	
05	integer	gender	
06	text	description	
07	string	doc_ref	
Default six (6) filed inserted			

<sup>\*\*</sup> birth registration will generate when a child will born in hospital.

## **Death registration form Table**

<b>Table Name</b>	death_models			
SI	Filed type	Filed name		Remark
01	integer	death_id		
02	integer	patient_id		
03	date	death_date		
04	text	description		
05	string	doc_ref		
Default six (6) filed inserted				

<sup>\*\*</sup> dearth registration will generate when a patient will death in hospital.

## **Operation Schedule form Table**

Table Name	operation_models		
SI	Filed type	Filed name	Remark
01	integer	operation_id	
02	integer	patient_id	foreign_key
03	string	ot_no	
04	date	operation_date	
05	integer	doc_ref	
06	text	description	
Default six (6) filed inserted			

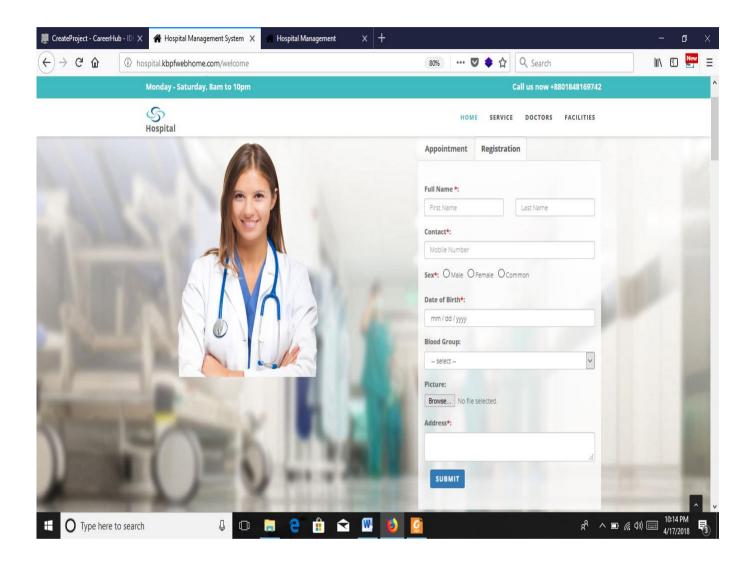
<sup>\*\*</sup> birth registration will generate when a child will born in hospital.

# Form image structure

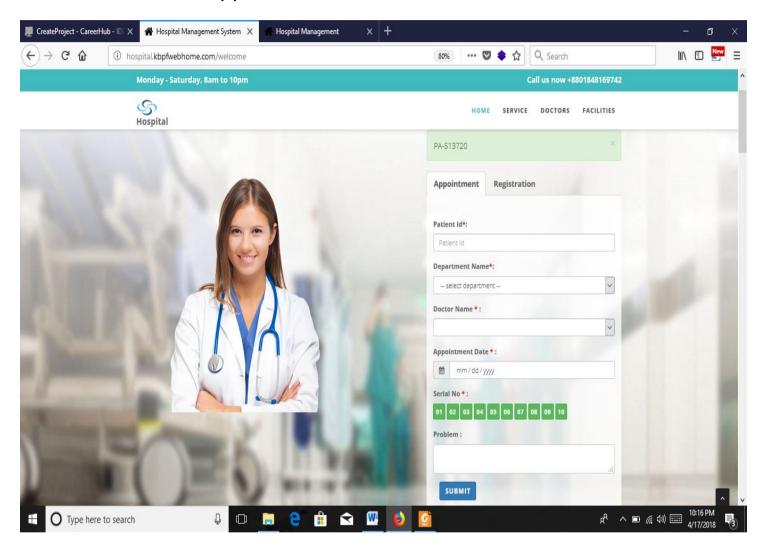


## Front End screen shot

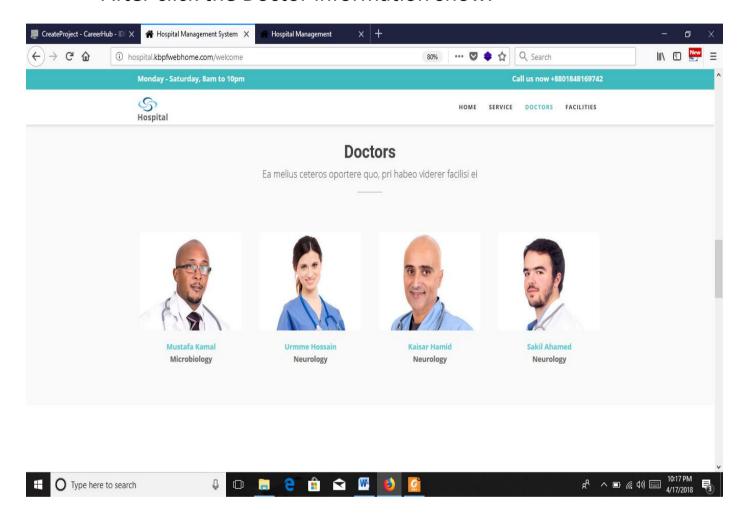
- \*\* Patient Registration form in web site for appointment.
- \*\* After registration a patient id will generate in a alert.



\*\* Front end appointment form.

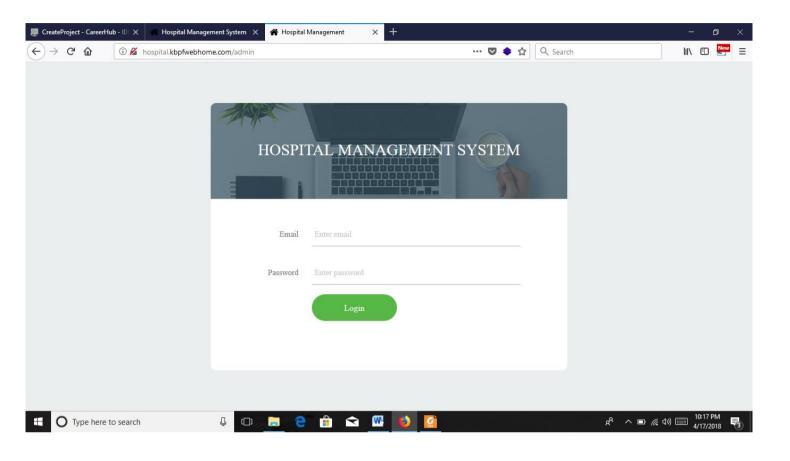


- \*\* Front end Doctor view.
- \*\* After click the Doctor information show.

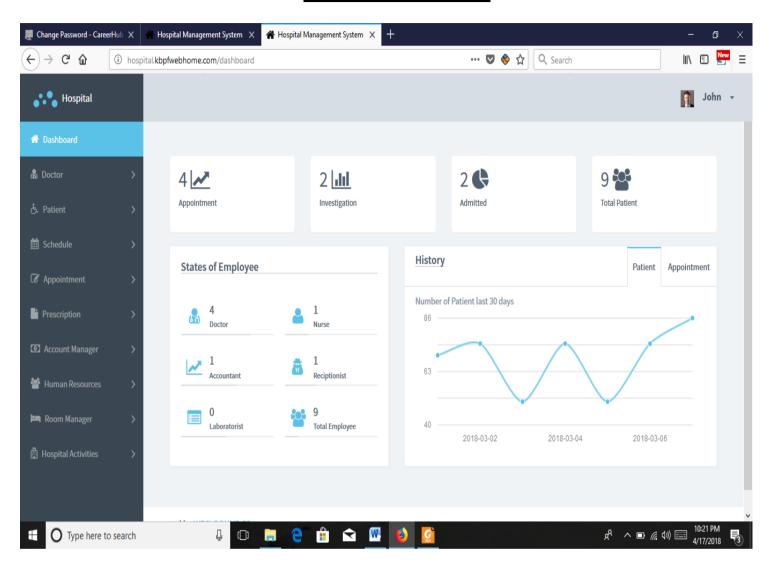


## **Back End Form**

## **Login Form**

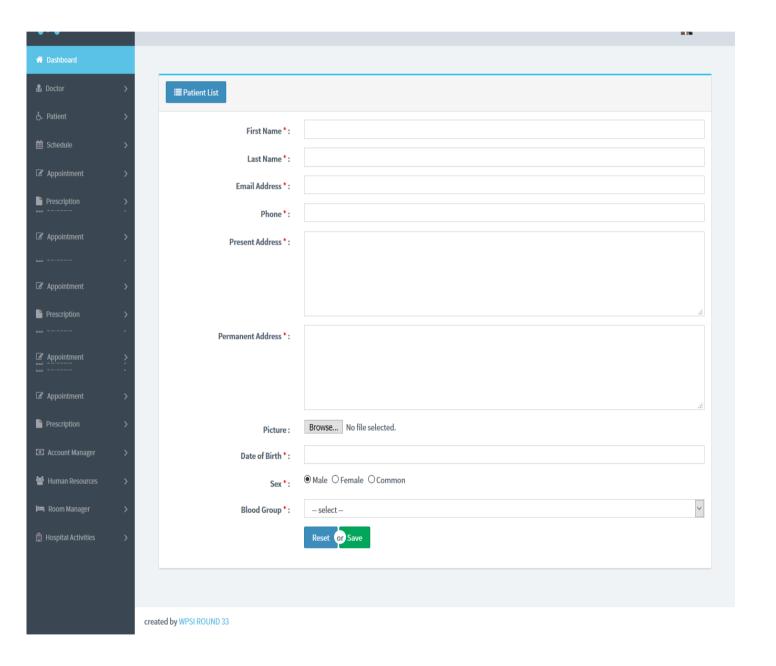


# **Dashboard**

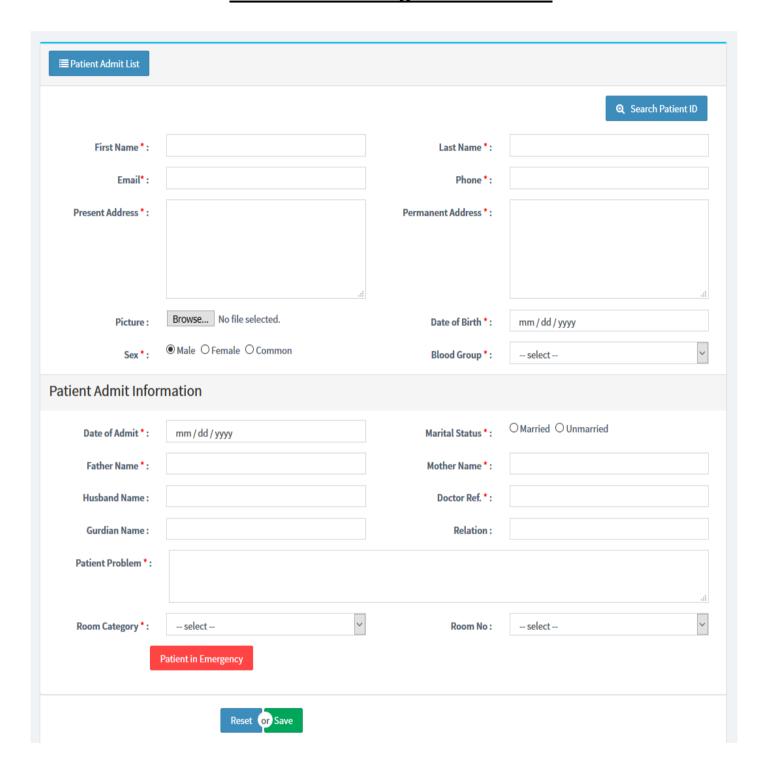


# **Patient**

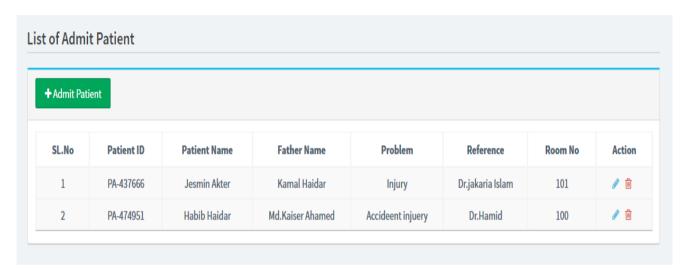
### **Patient Registration Form**



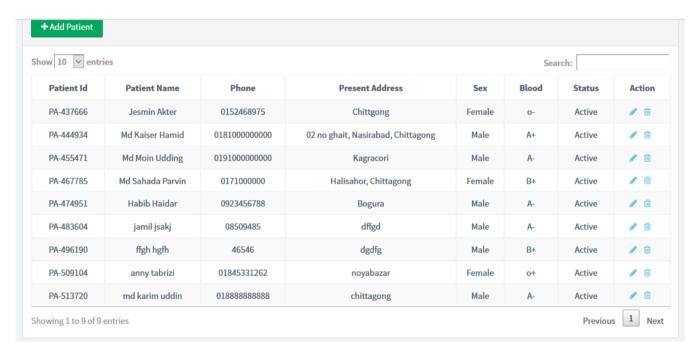
### **Patient Admit Registration Form**



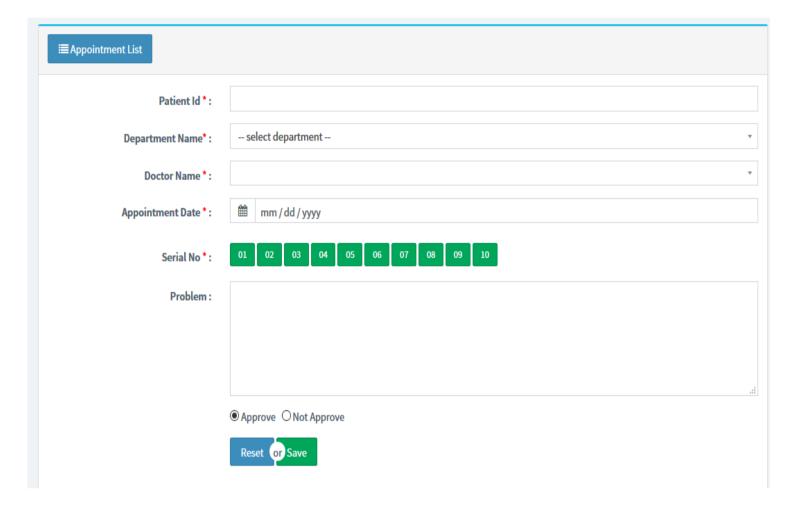
#### **Patient Admit show**



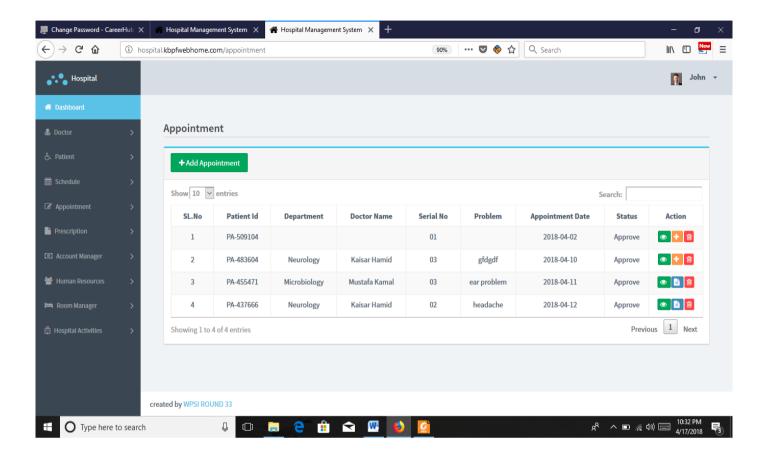
### **Patient Appointment list show**



## **Patient Appointment form**

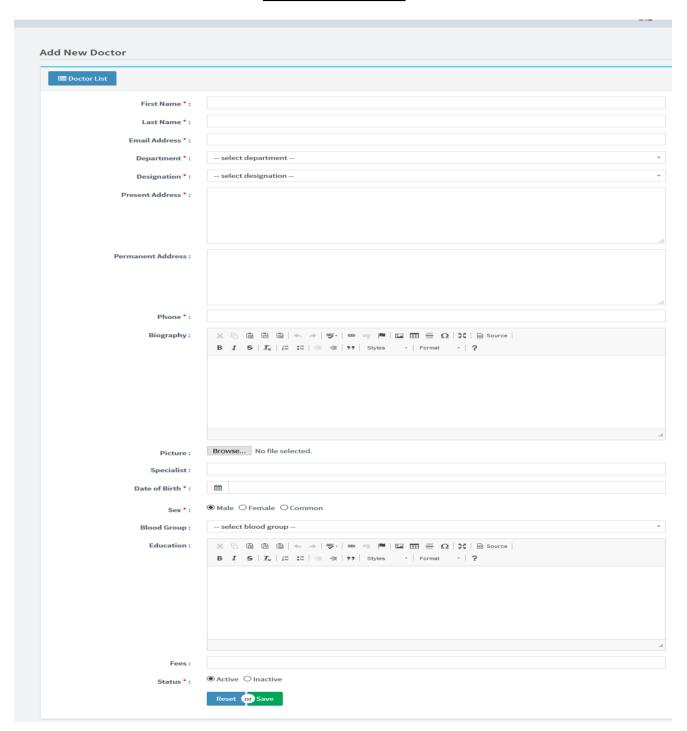


## Patient appointment view list

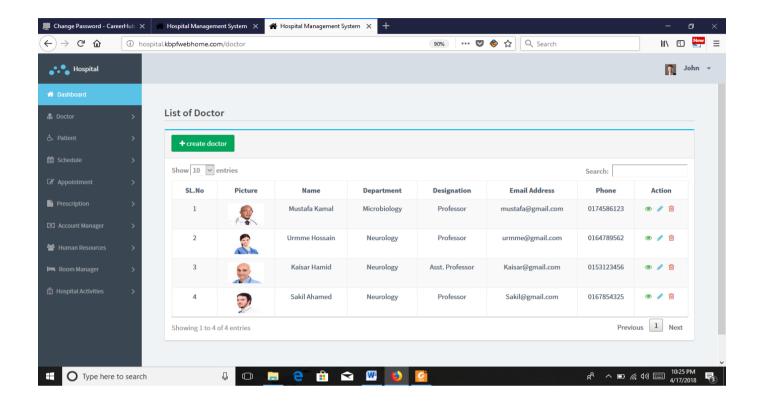


# **Doctor**

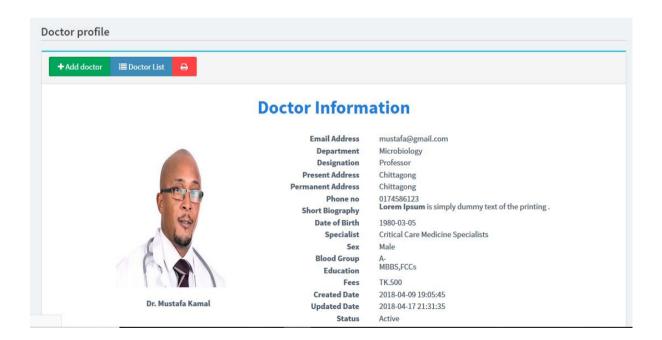
## **Add Doctor**



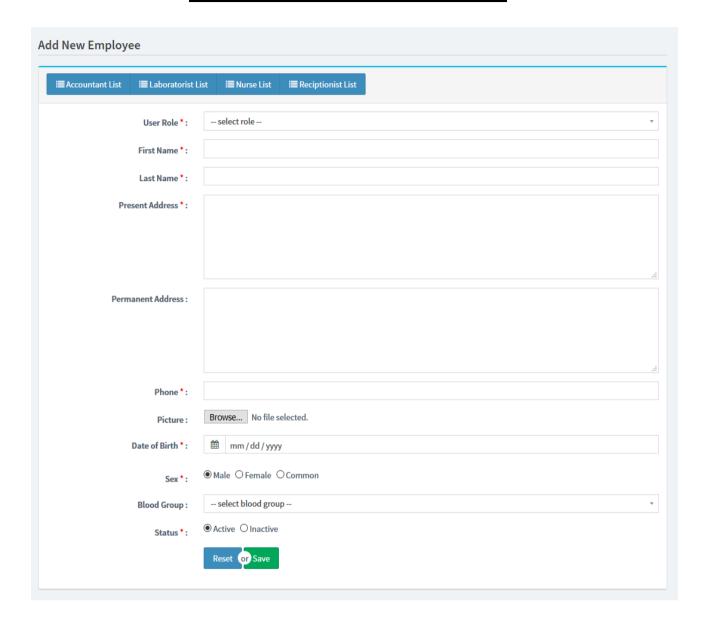
# **Doctor list view**



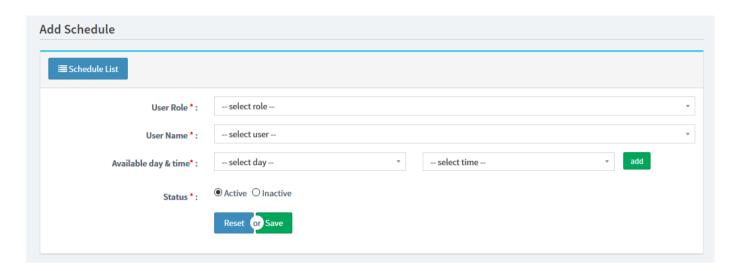
# **Doctor Profile**



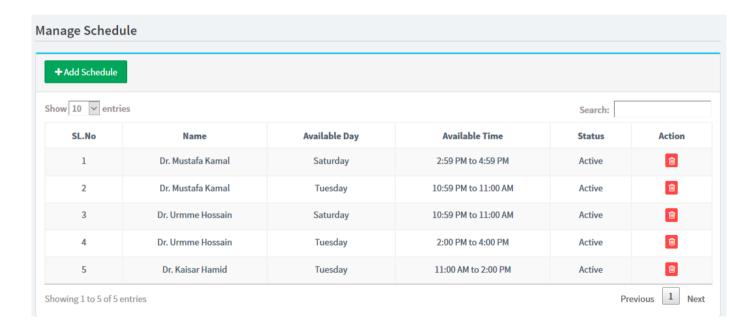
# Add employ view



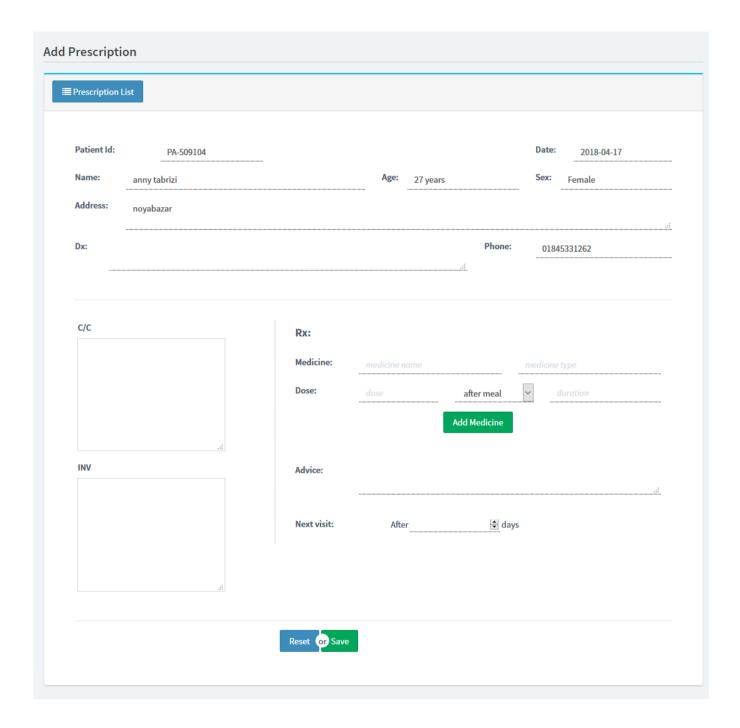
# **Add Doctor Schedule**



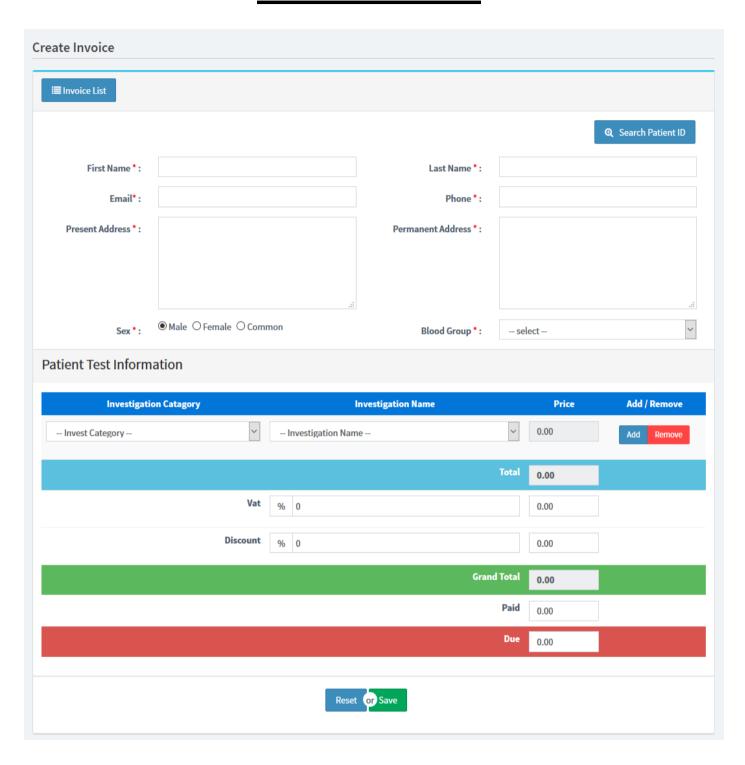
# **Doctor Schedule list View**



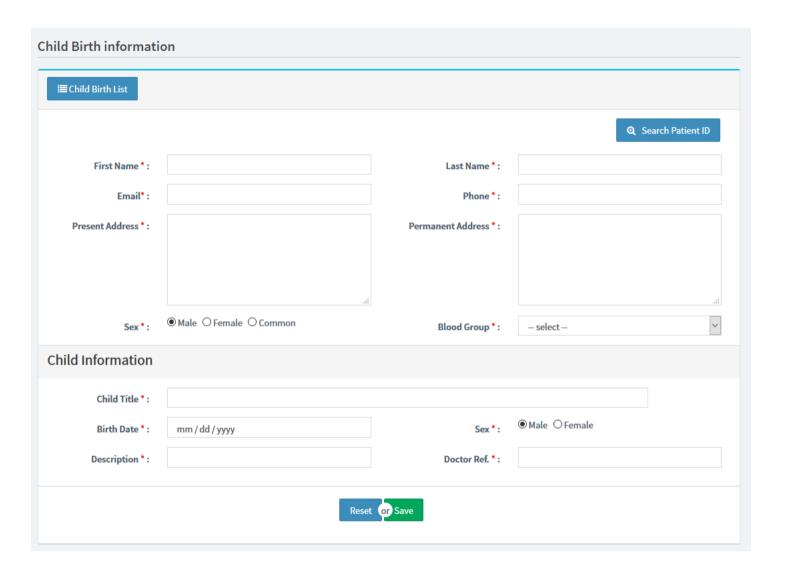
# **Patient Prescription**



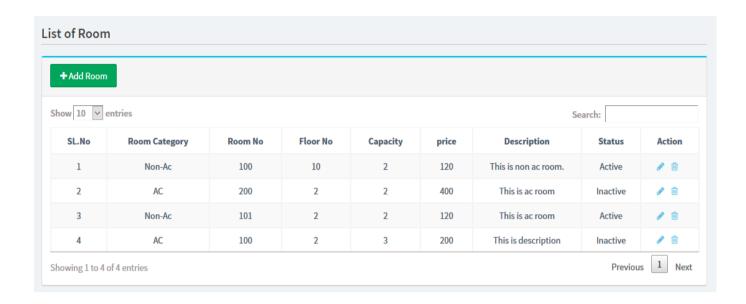
# **Test invoice**



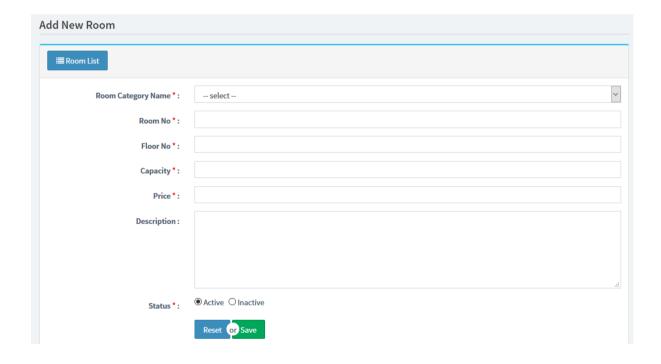
# **Add Birth Certificate**



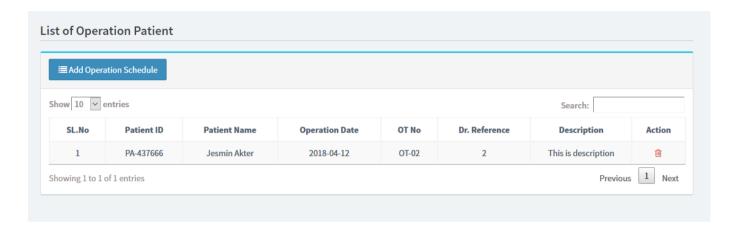
# **Room Manage**



# **Add Room**



# **Operation Schedule**



 Hospital Man	agement Syste	m	

# **Coding Section**

#### **Patient**

### Patient\_ctrl (Controller)

```
<?php namespace App\Http\Controllers;</pre>
use App\Http\Requests;
use App\Http\Requests\Patient request;
use App\Http\Controllers\Controller;
use Illuminate\Http\Request;
use App\PatientModel;
use App\blood;
use Session;
class Patient ctrl extends Controller {
        public function index()
                 $data = PatientModel::with('blood')->get();
                 return view('patient.patient_show')->with('data',$data);
        public function create()
                 $bl = blood::orderBy('blood_id','asc')->get();
                 return view('patient.patient_create')->with('bl',$bl);
                 //return view('patient.patient create');
        public function store(Patient request $request)
                 $data = new PatientModel;
                 $data->first_name = $request->first_name;
                 $data->last name = $request->last name;
                 $data->email = $request->email;
                 $data->phone = $request->phone;
                 $data->present address = $request->present address;
                 $data->permanent address = $request->permanent address;
                 $data->picture = $request->picture;
                 $data->birth date = $request->birth date;
                 $data->sex = $request->sex;
                 $data->blood_id = $request->blood;
                 //print_r($data);
                 $data->save();
                 //===insert patient id===//
                 a = data -> id;
                 ran = RAND(1000,9999);
                 $patient id = 'PA-'.$a.$ran;
                 //echo $patient_id;
                 $mo = PatientModel::find($a);
                 $mo->patient_id = $patient_id;
                 $mo->save();
                 return \Redirect::route('patient.index')->with('msg','successfully inserted');
        public function show($id)
```

```
//
        }
        public function edit($id)
                 $bl = blood::orderBy('blood id','asc')->get();
                 $data = PatientModel::find($id);
                 return view('patient.patient_edit', ['list'=>$data], ['bl'=>$bl]);
        }
        public function update(Patient_request $request, $id)
                 $data = PatientModel::find($id);
                 $data->first name = $request->first name;
                 $data->last_name = $request->last_name;
                 $data->email = $request->email;
                 $data->phone = $request->phone;
                 $data->present_address = $request->present_address;
                 $data->permanent_address = $request->permanent_address;
                 $data->picture = $request->picture;
                 $data->birth_date = $request->birth_date;
                 $data->sex = $request->sex;
                 $data->blood id = $request->blood;
                 //print_r($data);
                 $data->save();
                 return redirect()->route('patient.index')->with('msg','successfully updated');
        }
        public function destroy($id)
                 PatientModel::destroy($id);
                 session()->flash('msg','Deleted Data');
                 return \Redirect::route('patient.index');
        }
}
```

### **PatientModels (Models)**

```
<?php namespace App;
use Illuminate\Database\Eloquent\Model;
use Illuminate\Database\Eloquent\SoftDeletes;
class PatientModel extends Model {
         use SoftDeletes;
         protected $dates = ['deleted at'];
         protected $primaryKey = 'id';
public function blood(){
                 return $this->belongsTo('App\blood', 'blood id');
        }
public function app_func()
         {
                 return $this->hasMany('App\appointment_model', 'patient_id', 'id');
        }
public function test_func()
                 return $this->hasMany('App\test model', 'patient id', 'id');
public function get_admit(){
                 return $this->hasMany('App\patient admit model', 'patient id', 'id');
protected static function boot() {
                          parent::boot();
                          static::deleting(function($offer) {
                          $offer->get admit()->delete();
                          $offer->test func()->delete();
                           $offer->app_func()->delete();
                 });
        }
}
```

### patient\_view (view)

```
@extends('layout.master')
@section('content')
<!-- Main content -->
<section class="content">
<div class="row">
<div class="col-md-12">
@if (session('msg'))
<div class="alert alert-success">
{{ session('msg') }}
</div>
@endif
</div>
</div>
<div class="row">
<!-- left column -->
<div class="col-md-12">
<div class="box box-info">
```

```
<div class="panel panel-default">
<div class="panel-heading"><a href="{{route('patient.index')}}" class="btn btn-md btn-primary list-btn"><i</pre>
class="fa fa-list"></i> Patient List </a></div>
<div class="panel-body">
<form class="form-horizontal" method="post" action="{{route('patient.store')}}">
<input type="hidden" name="_token" value="{{Session::token()}}" />
<div class="form-group">
<label class="control-label col-sm-3" for="fname">First Name <span style="color:red" >* </span>:</label>
<div class="col-sm-9">
<input type="text" class="form-control" id="fname" name="first_name" value="{{ Request::old('first_name')</pre>
}}" required>
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="lname">Last Name <span style="color:red">* </span>:</label>
<div class="col-sm-9">
<input type="text" class="form-control" id="lname" name="last name" value="{{ Request::old('last name') }}"</pre>
required>
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="email">Email Address <span style="color:red">* </span>:</label>
<div class="col-sm-9">
<input type="email" class="form-control" id="email" name="email" value="{{ Request::old('email') }}" >
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="phone">Phone <span style="color:red">* </span>:</label>
<div class="col-sm-9">
<input type="text" class="form-control" id="phone" name="phone" value="{{ Request::old('phone') }}"</pre>
required>
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="present_add">Present Address <span style="color:red">*
</span>:</label>
<div class="col-sm-9">
<textarea name="present address" id="present add" cols="30" class="form-control" rows="5"
required></textarea>
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="permanent_add">Permanent Address <span style="color:red">*
</span>:</label>
<div class="col-sm-9">
<textarea name="permanent address" id="permanent address" cols="30" class="form-control" rows="5"
required></textarea>
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="picture">Picture :</label>
<div class="col-sm-9">
<input type="file" class="form-control-file" id="picture" name="picture">
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="birthdate">Date of Birth <span style="color:red">* </span>:</label>
```

```
<div class="col-sm-9">
<input type="text" class="form-control" id="datepicker" name="birth_date">
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="sex">Sex <span style="color:red">* </span>:</label>
<div class="col-sm-9">
<input type="radio" name="sex" checked value="1"> Male
 
<input type="radio" name="sex" value="2"> Female
<input type="radio" name="sex" value="3"> Common
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="blood">Blood Group <span style="color:red">* </span>:</label>
<div class="col-sm-9">
<select class="form-control" id="blood" name="blood" required>
<option>-- select --</option>
@forelse($bl as $b)
<option value="{{$b['blood_id']}}">{{$b['blood_name']}}
<option>No data found
@endforelse
</select>
</div>
</div>
<div class="form-group">
<div class="col-sm-offset-3 col-sm-9 change-btn">
<button type="reset" class="btn btn-primary">Reset</button>
<span class="btn or">or</span>
<button type="submit" class="btn btn-success save-btn">Save</button>
</div>
</div>
</form>
</div>
</div>
</div>
</div>
<!--/.col (right) -->
</div>
<!-- /.row -->
</section>
@endsection
```

## patient\_admit\_ctrl (patient admit controller)

```
<?php namespace App\Http\Controllers; use App\Http\Requests;</pre>
use App\Http\Requests\patient admit request;
use App\Http\Controllers\Controller;
use Illuminate\Http\Request;
use App\PatientModel;
use App\room cat model;
use App\room_list_model;
use App\blood;
use App\patient admit model;
use Session:
class patient_admit_ctrl extends Controller {
public function index()
        {
                 $list = patient_admit_model::with('get_patient', 'get_room')->get();
                 return view('patient admit.patient admit show', ['list'=>$list]);
        }
public function create()
        {
                 $bl = blood::orderBy('blood name')->get();
                 $room cat = room cat model::orderBy('room cat name')->get();
                 return view('patient_admit.patient_admit_create', ['bl'=>$bl, 'room_cat'=>$room_cat]);
public function store(patient admit request $request)
                 if($request->checkExist == 0){
                         $data = new PatientModel;
                         $data->first name = $request->first name;
                          $data->last name = $request->last name;
                          $data->email = $request->email;
                          $data->phone = $request->phone;
                          $data->present_address = $request->present_address;
                          $data->permanent address = $request->permanent address;
                          $data->picture = $request->picture;
                          $data->birth date = $request->birth date;
                          $data->sex = $request->sex;
                          $data->blood id = $request->blood;
                         //print r($data);
                         $data->save();
                         // insert patient id
                         $a = $data->id;
                         ran = RAND(1000,9999);
                         $patient id = 'PA-'.$a.$ran;
                         //echo $patient id;
                          $mo = PatientModel::find($a);
                          $mo->patient_id = $patient_id;
                         $mo->save();
                         $save_id = $data->id;
                 }else{
                         $save_id = $request->checkExist;
                 }
                 //die('okkkk');
```

```
$data ad = new patient admit model;
                 $data ad->patient id = $save id;
                 $data ad->admit date = $request->admit date;
                 $data_ad->marital_status = $request->marital_status;
                 $data ad->father name = $request->father name;
                 $data_ad->mother_name = $request->mother_name;
                 $data_ad->housband_name = $request->hous_name;
                 $data ad->doctor ref = $request->doctor ref;
                $data_ad->gurdian = $request->gurdian_name;
                 $data_ad->relation = $request->relation;
                 $data_ad->problem = $request->problem;
                $data ad->room list id = $request->room no;
                 $data ad->emg condition = $request->patient emrg;
                //$data1->status = $request->status;
                //print r($data ad);
                 $data ad->save();
                 $room_no_update = room_list_model::find($request->room_no);
                 $room_no_update->status=0;
                 $room no update->save();
                session()->flash('msg','data inserted');
                return \Redirect::route('patient_admit.index');
public function show($id)
                //
public function edit($admit_id)
                $data = patient admit model::findOrFail($admit id);
                $bl = blood::orderBy('blood id','asc')->get();
                $room cat = room cat model::orderBy('room cat name')->get();
                $room list = room list model::orderBy('room no')->get();
                 return view('patient admit.patient admit edit', ['data'=>$data, 'bl'=>$bl,
                 'room cat'=>$room cat, 'room list'=>$room list]);
public function update(Request $request, $admit_id)
                 $data = PatientModel::where('patient id', $request->patient id)->first();
                 $data->first name = $request->first name;
                 $data->last_name = $request->last_name;
                 $data->email = $request->email;
                 $data->phone = $request->phone;
                 $data->present_address = $request->present_address;
                 $data->permanent_address = $request->permanent_address;
                 $data->picture = $request->picture;
                $data->birth_date = $request->birth_date;
                 $data->sex = $request->sex;
                 $data->blood id = $request->blood;
                //print_r($data);
                 $data->save();
                 $data_ad = patient_admit_model::findOrFail($admit_id);
                 $data_ad->admit_date = $request->admit_date;
                 $data_ad->marital_status = $request->marital_status;
                 $data_ad->father_name = $request->father_name;
                 $data ad->mother name = $request->mother name;
                 $data ad->housband name = $request->hous name;
                 $data ad->doctor ref = $request->doctor ref;
```

```
$data_ad->gurdian = $request->gurdian_name;
                 $data ad->relation = $request->relation;
                 $data ad->problem = $request->problem;
                 $data_ad->room_list_id = $request->room_no;
                 $data ad->emg condition = $request->patient emrg;
                 //$data1->status = $request->status;
                 //print_r($data_ad);
                 $data ad->save();
                 session()->flash('msg','data inserted');
                 return \Redirect::route('patient_admit.index');
public function destroy($admit id)
                 patient admit model::destroy($admit id);
                 session()->flash('msg','Deleted Data');
                 return \Redirect::route('patient admit.index');
        public function getpatient(Request $request){
                         $get patient=PatientModel::where('patient id',$request->id)->get();
                         return $get_patient;
        }
        public function getroomlist(Request $request){
                         $get_room = room_list_model::where('room_cat_id',$request->id)->get();
                         return $get_room;
        }
```

## patient\_admit\_model (patient admit model)

```
<?php namespace App;
use Illuminate\Database\Eloquent\Model;
use Illuminate\Database\Eloquent\SoftDeletes;

class patient_admit_model extends Model {
          use SoftDeletes;
          protected $dates = ['deleted_at'];

protected $primaryKey = 'admit_id';

          public function get_patient(){
                return $this->belongsTo('App\PatientModel', 'patient_id', 'id');
          }

          public function get_room(){
                return $this->belongsTo('App\room_list_model', 'room_list_id');
          }
}
```

### patient\_admit\_create (patient admit create view)

```
@extends('layout.master')
@section('content')
<!-- Main content -->
<section class="content">
<div class="row">
<div class="col-md-12">
@if (session('msg'))
<div class="alert alert-success">
{{ session('msg') }}
</div>
@endif
</div>
</div>
<div class="row">
<!-- left column -->
<div class="col-md-12">
<div class="box box-info">
<div class="panel panel-default">
<div class="panel-heading"><a href="{{route('patient_admit.index')}}" class="btn btn-md btn-primary list-</pre>
btn"><i class="fa fa-list"></i> Patient Admit List </a></div>
<div class="panel-body">
<form class="form-horizontal" method="post" action="{{route('patient_admit.store')}}">
<input type="hidden" name=" token" value="{{Session::token()}}" />
<input type="hidden" name="checkExist" id="checkExist" value="0" />
<!-- ====== Patient ID Modal ======= -->
<div class="modal fade" id="myModal" role="dialog">
<div class="modal-dialog">
<!-- Modal content-->
<div class="modal-content">
<div class="modal-header">
<button type="button" class="close" data-dismiss="modal">&times;</button>
<h4 class="modal-title">Patient Id</h4>
</div>
<div class="modal-body">
<div class="form-group">
<div class="col-md-12">
<label class="control-label col-md-3" for="patient id">Patient ID<span style="color:red" >* </span>:</label>
<div class="col-md-6">
<input type="text" class="form-control" id="patient_id" name="patient_id" placeholder="Search Patient">
<span class="">
</span>
</div>
<button class="btn btn-secondary" id="search p" type="button" data-dismiss="modal">Search
Patient</button>
</div>
</div>
</div>
<div class="modal-footer">
<button type="button" class="btn btn-sm btn-default" data-dismiss="modal">Close</button>
</div>
</div>
</div>
</div>
```

```
<div class="form-group">
<button type="button" class="btn btn-primary pull-right" data-toggle="modal" data-target="#myModal"
style="margin-right:33px;"><i class="fa fa-search-plus" style="padding-right:10px;"></i>Search Patient
ID</button>
</div>
<div class="form-group">
<div class="col-md-6 col-sm-6">
<label class="control-label col-sm-4" for="first name">First Name <span style="color:red" >* </span>:</label>
<div class="col-sm-8">
<input type="text" class="form-control" id="fname" name="first_name" value="{{ Request::old('first_name')</pre>
}}" required>
</div>
</div>
<div class="col-md-6 col-sm-6">
<label class="control-label col-sm-4" for="last name">Last Name <span style="color:red">* </span>:</label>
<div class="col-sm-8">
<input type="text" class="form-control" id="lname" name="last_name" value="{{ Request::old('last_name') }}"
required>
</div>
</div>
</div>
<div class="form-group">
<div class="col-md-6 col-sm-6">
<label class="control-label col-sm-4" for="email">Email<span style="color:red">* </span>:</label>
<div class="col-sm-8">
<input type="email" class="form-control" id="email" name="email" value="{{ Request::old('email') }}" >
</div>
</div>
<div class="col-md-6 col-sm-6">
<label class="control-label col-sm-4" for="phone">Phone <span style="color:red">* </span>:</label>
<div class="col-sm-8">
<input type="text" class="form-control" id="phone" name="phone" value="{{ Request::old('phone') }}"</pre>
required>
</div>
</div>
</div>
<div class="form-group">
<div class="col-md-6 col-sm-6">
<label class="control-label col-sm-4" for="present add">Present Address <span style="color:red">*
</span>:</label>
<div class="col-sm-8">
<textarea name="present address" id="present add" cols="30" class="form-control" rows="5"
required></textarea>
</div>
</div>
<div class="col-md-6 col-sm-6">
<label class="control-label col-sm-4" for="permanent add">Permanent Address < span style="color:red">*
</span>:</label>
<div class="col-sm-8">
<textarea name="permanent address" id="permanent address" cols="30" class="form-control" rows="5"
required></textarea>
</div>
</div>
</div>
<div class="form-group">
<div class="col-md-6 col-sm-6">
<label class="control-label col-sm-4" for="picture">Picture :</label>
```

```
<div class="col-sm-8">
<input type="file" class="form-control-file" id="picture" name="picture">
</div>
</div>
<div class="col-md-6 col-sm-6">
<label class="control-label col-sm-4" for="birthdate">Date of Birth <span style="color:red">* </span>:</label>
<div class="col-sm-8">
<input type="date" class="form-control" id="birthdate" name="birth_date">
</div>
</div>
</div>
<div class="form-group">
<div class="col-md-6 col-sm-6">
<label class="control-label col-sm-4" for="sex">Sex <span style="color:red">* </span>:</label>
<div class="col-sm-8">
<input type="radio" name="sex" value="1" checked id="m"> Male
 
<input type="radio" name="sex" value="2" id="f"> Female
<input type="radio" name="sex" value="3" id="c"> Common
</div>
</div>
<div class="col-md-6 col-sm-6">
<label class="control-label col-sm-4" for="blood">Blood Group <span style="color:red">* </span>:</label>
<div class="col-sm-8">
<select class="form-control" id="blood" name="blood" required>
<option>-- select --</option>
@foreach($bl as $b)
<option value="{{$b->blood id}}">{{$b->blood name}}</option>
@endforeach
</select>
</div>
</div>
</div>
<!--######### Patient admit inforMation ############ -->
<div class="panel-group" style="margin-left:-16px; margin-right:-16px;">
<div class="panel panel-default">
<div class="panel-heading"><h4>Patient Admit Information</h4></div>
<div class="panel-body">
<div class="form-group">
<div class="col-md-6 col-sm-6">
<label class="control-label col-sm-4" for="admit date">Date of Admit <span style="color:red">*
</span>:</label>
<div class="col-sm-8">
<input type="date" class="form-control" id="admit_date" name="admit_date">
</div>
</div>
<div class="col-md-6 col-sm-6">
<label class="control-label col-sm-4" for="marital_status">Marital Status <span style="color:red">*
</span>:</label>
<div class="col-sm-8">
<input type="radio" name="marital_status" value="1"> Married
<input type="radio" name="marital_status" value="2"> Unmarried
</div>
</div>
</div>
```

```
<div class="form-group">
<div class="col-md-6 col-sm-6">
<label class="control-label col-sm-4" for="father name">Father Name <span style="color:red" >*
</span>:</label>
<div class="col-sm-8">
<input type="text" class="form-control" id="father name" name="father name" required>
</div>
</div>
<div class="col-md-6 col-sm-6">
<label class="control-label col-sm-4" for="mother name">Mother Name <span style="color:red">*
</span>:</label>
<div class="col-sm-8">
<input type="text" class="form-control" id="mother name" name="mother name" required>
</div>
</div>
</div>
<div class="form-group">
<div class="col-md-6 col-sm-6">
<label class="control-label col-sm-4" for="hous_name">Husband Name :</label>
<div class="col-sm-8">
<input type="text" class="form-control" id="hous name" name="hous name">
</div>
</div>
<div class="col-md-6 col-sm-6">
<label class="control-label col-sm-4" for="doctor_ref">Doctor Ref. <span style="color:red" >* </span>:</label>
<div class="col-sm-8">
<input type="text" class="form-control" id="doctor ref" name="doctor ref" required>
</div>
</div>
</div>
<div class="form-group">
<div class="col-md-6 col-sm-6">
<label class="control-label col-sm-4" for="gurdian_name">Gurdian Name :</label>
<div class="col-sm-8">
<input type="text" class="form-control" id="gurdian name" name="gurdian name" >
</div>
</div>
<div class="col-md-6 col-sm-6">
<label class="control-label col-sm-4" for="relation">Relation <span style="color:red" > </span>:</label>
<div class="col-sm-8">
<input type="text" class="form-control" id="relation" name="relation" >
</div>
</div>
</div>
<div class="form-group">
<div class="col-md-12">
<label class="control-label col-sm-2" for="problem">Patient Problem <span style="color:red">*
</span>:</label>
<div class="col-sm-10">
<textarea name="problem" id="problem" cols="30" class="form-control" rows="2" required></textarea>
</div>
</div>
</div>
```

```
<div class="form-group">
<div class="col-md-6 col-sm-6">
<label class="control-label col-sm-4" for="room cat">Room Category <span style="color:red">*
</span>:</label>
<div class="col-sm-8">
<select class="form-control" id="room_cat_id" name="room_cat_id" required>
<option>-- select --</option>
@foreach($room cat as $rc)
<option value="{{$rc->room_cat_id}}">{{$rc->room_cat_name}}</option>
@endforeach
</select>
</div>
</div>
<div class="col-md-6 col-sm-6">
<label class="control-label col-sm-4" for="room no">Room No <span style="color:red"></span>:</label>
<div class="col-sm-8">
<select class="form-control" id="room no" name="room no" required>
<option>-- select --</option>
</select>
</div>
</div>
</div>
<div class="form-group">
<div class="">
<button type="button" class="btn btn-danger" data-toggle="collapse" data-target="#demo" style="margin-
left:188px;">Patient in Emergency</button>
<div id="demo" class="collapse">
<div class="col-md-10 col-sm-10 col-md-offset-2">
<textarea name="patient emrg" id="patient emrg" cols="30" class="form-control" rows="2" ></textarea>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<div class="form-group">
<div class="col-sm-offset-3 col-sm-9 change-btn">
<button type="reset" class="btn btn-primary">Reset</button>
<span class="btn or">or</span>
<button type="submit" class="btn btn-success save-btn">Save</button>
</div>
</div>
</form>
</div>
</div>
</div>
</div>
<!--/.col (right) -->
</div>
<!-- /.row -->
</section>
@endsection
<script type="text/javascript" src="{{asset('public/js/jquery.min.js')}}"></script>
$(document).ready(function(){
```

```
$('#search p').click(function(){
var patient_id = $('#patient_id').val();
$.ajax({
url:'{{ url('patient/search') }}',
type: 'GET',
data: {'id':patient_id},
success: function(data){
//console.log(data);
if(data){
$('#checkExist').val(data[0].id);
$('#fname').val(data[0].first_name);
$('#lname').val(data[0].last name);
$('#email').val(data[0].email);
$('#phone').val(data[0].phone);
$('#present add').val(data[0].present address);
$('#permanent address').val(data[0].permanent address);
$('#picture').val(data[0].picture);
$('#birthdate').val(data[0].birth_date);
if(data[0].sex==1){
$('#m').attr('checked', true);
} else if(data[0].sex==2){
$('#f').attr('checked', true);
} else if(data[0].sex==2){
$('#c').attr('checked', true);
} else{
}
var bloodGroup = data[0].blood_id;
$('#blood option').each(function(){
var a = \$(this).val();
if(bloodGroup == a){
$(this).attr('selected', true);
});
}
}
});
});
$('#room cat id').on('change', function(){
var room cat id = $(this).val();
//console.log(room cat id)
$.ajax({
url:'{{ url('patient/room_list') }}',
type: 'GET',
data: {'id': room_cat_id},
success: function(data){//console.log(data);
if(data){
$('#room no').html(");
for(var a in data){
$('#room_no').append("<option value=""+data[a]['room_list_id']+"'>"+data[a]['room_no']+"</option>");
}
}
}
});
});
});
</script>
```

### **Doctor\_ctrl** (Doctor create Controller)

```
<?php namespace App\Http\Controllers;</pre>
use App\Http\Requests;
use App\Http\Requests\doctor request;
use App\Http\Controllers\Controller;
use Illuminate\Http\Request;
use App\doctor model;
use App\employ_basic_model;
use App\department model;
use App\designation model;
use App\blood;
use App\role;
use Session;
use File;
class Doctor_ctrl extends Controller {
public function index()
        $list1 = doctor_model::all();
        return view('doctor.doctor show')->with('list1',$list1)->with('i',1);
public function create()
        $bl = blood::orderBy('blood_id','asc')->get();
        $depart = department model::where('status',1)->orderBy('department id','asc')->get();
        $design = designation_model::where('status',1)->orderBy('designation_id','asc')->get();
        return view('doctor.doctor create')->with('bl',$bl)->with('depart',$depart)->with('design', $design);
public function store(doctor request $request)
                 $data1 = new employ basic model;
                 $file = $request->file('picture');
                 if($file)
                 {
                          $filename = time().'.'.$request->file('picture')->getClientOriginalExtension();
                          //Move Uploaded File
                          $destinationPath = 'public/images';
                          $file->move($destinationPath,$filename);
                          $data1->picture = $filename;
                 $data1->role_id = 19;
                 $data1->first name = $request->fname;
                 $data1->last_name = $request->lname;
                 $data1->email = $request->email;
                 $data1->phone = $request->phone;
                 $data1->sex = $request->sex;
                 $data1->birth date = $request->birthdate;
                 $data1->blood id = $request->blood;
                 $data1->present_address = $request->present_add;
                 $data1->permanent_address = $request->permanent_add;
                 $data1->save();
                 $insertedId = $data1->employ_id;
                 $data2 = new doctor model;
                 $data2->employ id = $insertedId;
                 $data2->department_id = $request->department;
```

```
$data2->designation id = $request->designation;
                 $data2->biography = $request->biography;
                 $data2->specialist = $request->specialist;
                 $data2->education = $request->edu;
                 $data2->fees = $request->fees;
                 $data1->status = $request->status;
                 $data2->save();
                 session()->flash('msg','data inserted');
                 return \Redirect::route('doctor.create');
public function show($id)
        {
                 $data = doctor model::findOrFail($id);
                 return view('doctor.doctor view')->with('data',$data);
public function edit($id)
        {
                 $data = doctor_model::findOrFail($id);
                 $bl = blood::orderBy('blood id','asc')->get();
                 $depart = department model::where('status',1)->orderBy('department id','asc')->get();
                 Sdesign = designation model::where('status',1)->orderBy('designation id','asc')->get();
                 return view('doctor.doctor edit')->with('data',$data)->with('bl',$bl)->with('depart',$depart)-
>with('design', $design);
public function update(doctor request $request, $doctor id)
                 $data1 = employ_basic_model::findOrFail($request->employ_id);
                 /*delete older image*/
                 $find path = public path("images/$data1->picture");
                 if(File::exists($find_path))
                          File::delete($find path);
                 $file = $request->file('picture');
                 if($file)
                 {
                          $filename = time().'.'.$request->file('picture')->getClientOriginalExtension();
                          //Move Uploaded File
                          $destinationPath = 'public/images';
                          $file->move($destinationPath,$filename);
                          $data1->picture = $filename;
                 d=19;
                 $data1->first_name = $request->fname;
                 $data1->last_name = $request->lname;
                 $data1->email = $request->email;
                 $data1->phone = $request->phone;
                 $data1->sex = $request->sex;
                 $data1->birth date = $request->birthdate;
                 $data1->blood_id = $request->blood;
                 $data1->present_address = $request->present_add;
                 $data1->permanent_address = $request->permanent_add;
                 $data1->save();
                 $insertedId = $data1->employ id;
                 $data2 = doctor model::findOrFail($doctor id);
                 $data2->employ_id = $insertedId;
```

### **Doctor\_model (Doctor create Models)**

```
<?php namespace App;
use Illuminate\Database\Eloquent\Model;
use Illuminate\Database\Eloquent\SoftDeletes;
class doctor model extends Model {
        use SoftDeletes;
        protected $dates = ['deleted at'];
        protected $primaryKey = 'doctor_id';
        public function employ_basic()
                 return $this->belongsTo('App\employ_basic_model', 'employ_id', 'employ_id');
        public function department()
                 return $this->belongsTo('App\department_model', 'department_id');
        public function designation()
                 return $this->belongsTo('App\designation model', 'designation id');
        protected static function boot() {
                 parent::boot();
                 static::deleting(function($offer) {
                          $offer->employ_basic()->delete();
                 });
        }
}
```

### **Doctor\_create (Doctor create view)**

```
@extends('layout.master')
@section('content')
<!-- Main content -->
<section class="content">
<div class="row">
<div class="col-md-12">
@if (session('msg'))
<div class="alert alert-success">
{{ session('msg') }}
</div>
@endif
</div>
</div>
<div class="row">
<!-- left column -->
<div class="col-md-12">
<div class="title">Add New Doctor</div>
<div class="box box-info">
<div class="panel panel-default">
<div class="panel-heading"><a href="{{route('doctor.index')}}" class="btn btn-md btn-primary list-btn"><i</pre>
class="fa fa-list"></i> Doctor List </a></div>
<div class="panel-body">
<form class="form-horizontal" action="{{route('doctor.store')}}" method="post" enctype="multipart/form-
data">
<input type="hidden" name=" token" value="{{Session::token()}}" />
<div class="form-group">
<label class="control-label col-sm-3" for="fname">First Name <span style="color:red">* </span>:</label>
<div class="col-sm-9">
<input type="text" class="form-control" id="fname" name="fname" value="{{Request::old('fname')}}">
<div class="error" style="color:red;font-style:italic;">{{ $errors->first('fname') }}</div>
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="lname">Last Name <span style="color:red">* </span>:</label>
<div class="col-sm-9">
<input type="text" class="form-control" id="lname" name="lname" value="{{Request::old('lname')}}">
<div class="error" style="color:red;font-style:italic;">{{ $errors->first('lname') }}</div>
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="email">Email Address <span style="color:red">* </span>:</label>
<div class="col-sm-9">
<input type="text" class="form-control" id="email" name="email" value="{{Request::old('email')}}">
<div class="error" style="color:red;font-style:italic;">{{ $errors->first('email') }}</div>
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="department">Department <span style="color:red">*
</span>:</label>
<div class="col-sm-9">
<select class="form-control select2" style="width: 100%;" id="department" name="department">
<option value="">-- select department --</option>
```

```
@forelse($depart as $dep)
<option value="{{$dep['department_id']}}" {{$dep['department_id'] == Request::old('department') ? 'selected'</pre>
: "}}>{{$dep['dep_name']}}</option>
@empty
<option>No data found
@endforelse
</select>
<div class="error" style="color:red;font-style:italic;">{{ $errors->first('department') }}</div>
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="designation">Designation <span style="color:red">*
</span>:</label>
<div class="col-sm-9">
<select class="form-control select2" style="width: 100%;" name="designation">
<option value="">-- select designation --</option>
@forelse($design as $des)
<option value="{{$des['designation_id']}}" {{$des['designation_id'] == Request::old('designation') ? 'selected' :</pre>
"}}>{{$des['desig name']}}</option>
@empty
<option>No data found
@endforelse
</select>
<div class="error" style="color:red;font-style:italic;">{{ $errors->first('designation') }}</div>
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="present_add">Present Address <span style="color:red">*
</span>:</label>
<div class="col-sm-9">
<textarea name="present add" id="present add" cols="30" class="form-control"
rows="5">{{Request::old('present add')}}</textarea>
<div class="error" style="color:red;font-style:italic;">{{ $errors->first('present add') }}</div>
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="permanent add">Permanent Address :</label>
<div class="col-sm-9">
<textarea name="permanent add" id="permanent add" cols="30" class="form-control"
rows="5">{{Request::old('permanent add')}}</textarea>
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="phone">Phone <span style="color:red">* </span>:</label>
<div class="col-sm-9">
<input type="text" class="form-control" id="phone" name="phone" value="{{Request::old('phone')}}">
<div class="error" style="color:red;font-style:italic;">{{ $errors->first('phone') }}</div>
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="biography">Biography :</label>
<div class="col-sm-9">
<textarea name="biography" id="biography" cols="30" class="form-control"
rows="5">{{Request::old('biography')}}</textarea>
</div>
</div>
```

```
<div class="form-group">
<label class="control-label col-sm-3" for="picture">Picture :</label>
<div class="col-sm-9">
<input type="file" class="form-control-file" name="picture" >
<div class="error" style="color:red;font-style:italic;">{{ $errors->first('picture') }}</div>
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="specialist">Specialist :</label>
<div class="col-sm-9">
<input type="text" class="form-control" id="specialist" name="specialist"
value="{{Request::old('specialist')}}">
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="birthdate">Date of Birth <span style="color:red">* </span>:</label>
<div class="col-sm-9">
<div class="input-group date">
<div class="input-group-addon">
<i class="fa fa-calendar"></i>
</div>
<input type="text" class="form-control" id="datepicker" name="birthdate"
value="{{Request::old('birthdate')}}">
<div class="error" style="color:red;font-style:italic;">{{ $errors->first('birthdate') }}</div>
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="sex">Sex <span style="color:red">* </span>:</label>
<div class="col-sm-9">
<input type="radio" name="sex" checked value="1"> Male
 
<input type="radio" name="sex" value="2" {{Request::old('sex') == '2' ? 'checked' : "}}> Female
 
<input type="radio" name="sex" value="3" {{Request::old('sex') == '3' ? 'checked' : "}}> Common
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="blood">Blood Group :</label>
<div class="col-sm-9">
<select class="form-control select2" style="width: 100%;" id="blood" name="blood">
<option value="" selected style="display:none" >-- select blood group --</option>
@forelse($bl as $b)
"}}>{{$b['blood_name']}}</option>
@empty
<option>No data found
@endforelse
</select>
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="edu">Education :</label>
<div class="col-sm-9">
<textarea name="edu" id="edu" cols="30" class="form-control" rows="5">{{Request::old('edu')}}</textarea>
</div>
</div>
```

```
<div class="form-group">
<label class="control-label col-sm-3" for="fees">Fees :</label>
<div class="col-sm-9">
<input type="text" class="form-control" id="fees" name="fees" value="{{Request::old('specialist')}}">
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="status">Status <span style="color:red">* </span>:</label>
<div class="col-sm-9">
<input type="radio" name="status" value="1" checked> Active
 
<input type="radio" name="status" value="0" {{Request::old('status') == '0' ? 'checked' : ''}}> Inactive
</div>
</div>
<div class="form-group">
<div class="col-sm-offset-3 col-sm-9 change-btn">
<button type="reset" class="btn btn-primary">Reset</button>
<span class="btn or">or</span>
<button type="submit" class="btn btn-success save-btn">Save</button>
</div>
</div>
</form>
</div>
</div>
</div>
</div>
<!--/.col (right) -->
</div>
<!-- /.row -->
</section>
<script type="text/javascript" src="{{asset('public/js/jquery.min.js')}}"></script>
<!-- bootstrap datepicker -->
<script type="text/javascript" src="{{asset('public/js/bootstrap-datepicker.min.js')}}"></script>
<!-- CK Editor -->
<script type="text/javascript" src="{{asset('public/ckeditor.js')}}"></script>
<!-- Page script -->
<script>
// Replace the <textarea id="editor1"> with a CKEditor
// instance, using default configuration.
CKEDITOR.replace('biography');
CKEDITOR.replace('edu');
//Date picker
$('#datepicker').datepicker({
autoclose: true,
format: 'yyyy-mm-dd',
</script>
@endsection
```

## appointment\_ctrl (appointement Controller)

```
<?php namespace App\Http\Controllers;</pre>
use App\Http\Requests;
use App\Http\Requests\App request;
use App\Http\Controllers\Controller;
use Session;
use App\appointment model;
use App\prescription_model;
use App\department_model;
use App\doctor_model;
use App\PatientModel;
use App\day;
use App\employ_basic_model;
use App\schedule model;
use Illuminate\Http\Request;
class Appointment ctrl extends Controller {
public function index()
        {
                 $list = appointment model::orderBy('app id','desc')->get();
                 return view('appointment.appointment index')->with('list',$list)->with('i',1);
public function create()
                 $depart = department_model::where('status',1)->orderBy('department_id','asc')->get();
                 return view('appointment.appointment create')->with('depart',$depart);
public function store(App_request $request)
                 $data = new appointment model;
                 $data->patient id = $request->id;
                 $data->employ id = $request->doctor id;
                 $data->app date = $request->app date;
                 $data->serial = $request->serial;
                 $data->problem = $request->problem;
                 $data->approve = $request->approve;
                 $data->save();
                session()->flash('msg','data inserted');
                 return \Redirect::route('appointment.index');
public function show($id)
        {
                 $data1 = appointment_model::findOrFail($id);
                 return view('appointment.appointment_show')->with('data1',$data1);
public function getEmploy(Request $request)
                 $data = doctor model::where('department id',$request->id)->get();
                 $html =";
                 foreach($data as $row)
                         $html .='<option value='.$row->employ_basic->employ_id.'>'.'Dr. '.$row-
>employ_basic->first_name.' '. $row->employ_basic->last_name.'</option>';
                }return $html;
        public function getSchedule(Request $request)
```

```
{
                 $data = schedule_model::where('employ_id',$request->id)->get();
                 $html =";
                 foreach($data as $row)
                 $html .='<div><i class="fa fa-calendar"></i> '.$row->day_func->day_name.' ['.$row-
>shift_func->start.' to '.$row->shift_func->end_time.']</div>';
                 } return $html;
        }
        public function getSerial(Request $request)
                 /*get day as saturday, sunday*/
                 $day = date('I',strtotime($request->dat));
                 $dayId = day::where('day_name',$day)->get();
                 d = dy[0]->dy[id;
        $data = schedule_model::whereRaw('employ_id = ? and day_id = ?', [$request->id, $d])->count();
                  if($data == '')
                          return 'daYnotfind';
                 }else{
                          $row = appointment_model::whereRaw('employ_id = ? and app_date = ?',
[$request->id, $request->dat])->get();
                          if($row == "){
                                   return 'rownotfind';
                          }else{
                                   return $row;
        public function getPatient(Request $request)
                 $data = PatientModel::where('patient id',$request->id)->get();
                 return $data;
        public function edit($id)
                 $data = appointment_model::findOrFail($id);
                 $sex = $data->patient->sex;
                 if(\$sex == 1){}
                          $s = 'Male';
                 elseif(sex == 2){
                          $s = 'Female';
                 elseif(sex == 3){
                          $s = 'Common';
                 }else{
                          $s = ";
                 return view('prescription.prescription create')->with('data',$data)->with('s',$s);
        public function update($id)
                 //
        public function destroy($id)
                 appointment_model::destroy($id);
                 session()->flash('msg','Deleted Data');
                 return \Redirect::route('appointment.index');
        }}
```

## appointment\_model (patient appointement model)

```
<?php namespace App;
use Illuminate\Database\Eloquent\Model;
use Illuminate\Database\Eloquent\SoftDeletes;
use Carbon\Carbon;
class appointment model extends Model {
        use SoftDeletes;
        protected $dates = ['deleted_at'];
        protected $primaryKey = 'app_id';
        public function employ_basic()
                 return $this->belongsTo('App\employ_basic_model', 'employ_id');
        /*=====when go parent table to child table=====*/
        public function doctor()
        {
                 return $this->belongsTo('App\doctor_model','employ_id', 'employ_id');
        public function schedule func()
                 return $this->belongsTo('App\schedule_model', 'employ_id','employ_id');
        }
        public function patient()
                 return $this->belongsTo('App\PatientModel', 'patient id','id'); //when difference between
forign field and primary field
        }
        public function pres_func()
        {
                 return $this->hasMany('App\prescription model', 'prescription id');
        }
}
```

### appointment\_create (patient appointement view)

```
@extends('layout.master')
@section('content')
<!-- Main content -->
<section class="content">
<div class="row">
<div class="col-md-12">
@if (session('msg'))
<div class="alert alert-success">
{{ session('msg') }}
</div>
@endif
</div>
</div>
<div class="row">
<!-- left column -->
<div class="col-md-12">
<div class="title">Add Appointment</div>
<div class="box box-info">
<div class="panel panel-default">
<div class="panel-heading"><a href="{{route('appointment.index')}}" class="btn btn-md btn-primary list-</pre>
btn"><i class="fa fa-list"></i> Appointment List </a></div>
<div class="panel-body">
<form class="form-horizontal" action="{{route('appointment.store')}}" method="post">
<input type="hidden" name="_token" value="{{Session::token()}}" />
<div class="form-group">
<label class="control-label col-sm-3" for="patient_id">Patient Id <span style="color:red">* </span>:</label>
<div class="col-sm-9">
<input type="hidden" name="id" id="p id"/>
<input type="text" class="form-control" id="patient_id" name="patient_id"
value="{{Request::old('patient id')}}">
<div class="error" style="color:red;font-style:italic;">{{ $errors->first('patient id') }}</div>
<div id="pa data" style="color:green;font-size:14px;"></div>
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="department">Department Name<span style="color:red">*
</span>:</label>
<div class="col-sm-9">
<select class="form-control select2" style="width: 100%;" id="department" name="department">
<option value="">-- select department --</option>
@forelse($depart as $dep)
<option value="{{$dep['department_id']}}" {{$dep['department_id'] == Request::old('department') ? 'selected'</pre>
: "}}>{{$dep['dep_name']}}</option>
@empty
<option>No data found
@endforelse
</select>
<div class="error" style="color:red;font-style:italic;">{{ $errors->first('department') }}</div>
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="doctor">Doctor Name <span style="color:red">* </span>:</label>
<div class="col-sm-9">
<select class="form-control select2" style="width: 100%;" id="doctor" name="doctor id">
<option value=""></option>
```

```
</select>
<div class="error" style="color:red;font-style:italic;">{{ $errors->first('doctor id') }}</div>
<div id="sch data" style="color:green;font-size:14px;"></div>
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="app_date">Appointment Date <span style="color:red">*
</span>:</label>
<div class="col-sm-9">
<div class="input-group date">
<div class="input-group-addon">
<i class="fa fa-calendar"></i>
</div>
<input type="date" class="form-control app_date" min="<?php echo date('Y-m-d'); ?>" name="app_date"
value="{{Request::old('app_date')}}">
<div class="error" style="color:red;font-style:italic;">{{ $errors->first('app_date') }}</div>
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="serial">Serial No <span style="color:red">* </span>:</label>
<div class="col-sm-9 ee" style="display:none;color:red">
No Schedule available
</div>
<div class="col-sm-9 ss">
<a class="btn btn-sm btn-success serial" id="serial1">01</a>
<a class="btn btn-sm btn-success serial" id="serial2">02</a>
<a class="btn btn-sm btn-success serial" id="serial3">03</a>
<a class="btn btn-sm btn-success serial" id="serial4">04</a>
<a class="btn btn-sm btn-success serial" id="serial5">05</a>
<a class="btn btn-sm btn-success serial" id="serial6">06</a>
<a class="btn btn-sm btn-success serial" id="serial7">07</a>
<a class="btn btn-sm btn-success serial" id="serial8">08</a>
<a class="btn btn-sm btn-success serial" id="serial9">09</a>
<a class="btn btn-sm btn-success serial" id="serial10">10</a>
<input type="hidden" name="serial" id="serial_div" />
<div class="error" style="color:red;font-style:italic;">{{ $errors->first('serial') }}</div>
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="problem">Problem :</label>
<div class="col-sm-9">
<textarea name="problem" id="problem" cols="30" class="form-control"
rows="5">{{Request::old('problem')}}</textarea>
</div>
</div>
<div class="form-group">
<label class="control-label col-sm-3" for="status"></label>
<div class="col-sm-9">
<input type="radio" name="approve" value="1" checked> Approve
<input type="radio" name="approve" value="2" {{Request::old('status') == '0' ? 'checked' : ''}}> Not Approve
</div>
</div>
<div class="form-group">
<div class="col-sm-offset-3 col-sm-9 change-btn">
<button type="reset" class="btn btn-primary">Reset</button>
```

```
<span class="btn or">or</span>
<button type="submit" class="btn btn-success save-btn">Save</button>
</div>
</div>
</form>
</div>
</div>
</div>
</div>
<!--/.col (right) -->
</div>
<!-- /.row -->
</section>
<!-- iQuerv 3 -->
<script type="text/javascript" src="{{asset('public/js/jquery.min.js')}}"></script>
<script>
$(document).ready(function(){
/*keyup function for patient name*/
$('#patient id').keyup(function(){
var pa = '<div style="color:red">Invalid patient ID</div>';
$('#pa data').html(");
$('#pa data').append(pa);
var patient = $(this).val();
var div = $(this).parent();
$.ajax({
type: 'get',
url:'{!!URL::to('appointment/getPatient')!!}',
data:{'id':patient},
success:function(data){
if(data){
//console.log(data);
var id = data[0].id;
var name = data[0].first_name + ' ' +data[0].last_name;
/*get id from patient table*/
$('#p_id').val('');
$('#p_id').val(id);
/*get firstname and lastname from patient table*/
$('#pa data').html(");
$('#pa_data').append(name);
}
});
});
/*-----*/
$('#department').on('change', function(){
//console.log('this is change');
var department id = $(this).val();
var div = $(this).parent();
$.ajax({
type: 'get',
url:'{!!URL::to('appointment/getEmploy')!!}',
data:{'id':department_id},
success:function(data){
//console.log('success');
//console.log(data);
var op= "<option value='0' selected disabled>-- select doctor name --</option>"+data;
```

```
$('#doctor').html('');
$('#doctor').append(op);
});
});
/*-----*/
$('#doctor').on('change', function(){
//console.log('this is change');
var doctor = $(this).val();
var div = $(this).parent();
$.ajax({
type:'get',
url:'{!!URL::to('appointment/getSchedule')!!}',
data:{'id':doctor},
success:function(data){
if(data=="){
var err = '<div style="color:red">No Schedule Available</div>';
$('#sch_data').html(");
$('#sch data').append(err);
}else{
$('#sch data').html(");
$('#sch data').append(data);
}
});
/*----*/
$('.serial').click(function(){
var s = $(this).addClass('btn-danger').text();
$('.serial').attr('disabled','disabled');
$('#serial div').val(");
$('#serial div').val(s);
/*-----*/
$('.app_date').on('change', function(){
$('.serial').removeClass('btn-danger').attr('disabled',false);
var doctor = $('#doctor').val();
var app date = $(this).val();
var div = $(this).parent();
$.ajax({
type: 'get',
url:'{!!URL::to('appointment/getSerial')!!}',
data:{'id':doctor, 'dat':app_date},
success:function(data){
console.log(data);
if(data == 'daYnotfind')
$('.ss').css('display','none');
$('.ee').css('display','block');
else if(data == 'rownotfind')
$('.ss').css('display','block');
$('.ee').css('display','none');
}else{
$('.ss').css('display','block');
$('.ee').css('display','none');
```

```
var ser = ";
for(var i=0;i<data.length;i++){</pre>
ser = data[i].serial;
if(ser == 01){}
$('#serial1').addClass('btn-danger').attr('disabled','disabled');
else if(ser == 02)
$('#serial2').addClass('btn-danger').attr('disabled','disabled');
else if(ser == 03)
$('#serial3').addClass('btn-danger').attr('disabled','disabled');
else if(ser == 04)
$('#serial4').addClass('btn-danger').attr('disabled','disabled');
else if(ser == 05){
$('#serial5').addClass('btn-danger').attr('disabled','disabled');
else if(ser == 06)
$('#serial6').addClass('btn-danger').attr('disabled','disabled');
else if(ser == 07){
$('#serial7').addClass('btn-danger').attr('disabled','disabled');
else if(ser == 08){
$('#serial8').addClass('btn-danger').attr('disabled','disabled');
}else if(ser == 09){
$('#serial9').addClass('btn-danger').attr('disabled','disabled');
}else if(ser == 10){
$('#serial10').addClass('btn-danger').attr('disabled','disabled');
//$('#serial').addClass('btn-danger').attr('disabled','disabled');
}
}
});
});
});
</script>
@endsection
```

#### **CONCLUSION**

The project **Hospital Management System (HMS)** is for computerizing the working in a hospital. It is a great improvement over the manual system. The computerization of the system has speed up the process. In the current system, the front office managing is very slow. The hospital managing system was thoroughly checked and tested with dummy data and thus is found to be very reliable. The software takes care of all the requirements of an average hospital and is capable to provide easy and effective storage of information related to patients that come up to the hospital.

#### **FUTURE ENHANCEMENTS**

The proposed system is Hospital Management System. We can enhance this system by including more facilities like pharmacy system for the stock details of medicines in the pharmacy. Providing such features enable the users to include more comments into the system. It generates test reports and also provides the facility for searching the details of the patient. It also provides billing facility on the basis of patient's status whether it is an indoor or outdoor patient. The system also provides the facility of backup as per the requirement.

# Link of site

# **Front end link is**

hospital.kbpfwebhome.com

# **Back end link is (Admin Panel)**

hospital.kbpfwebhome.com/admin

user name : <u>admin@gmail.com</u>

password : admin@786

**THANK YOU**