Doctor Appointment System

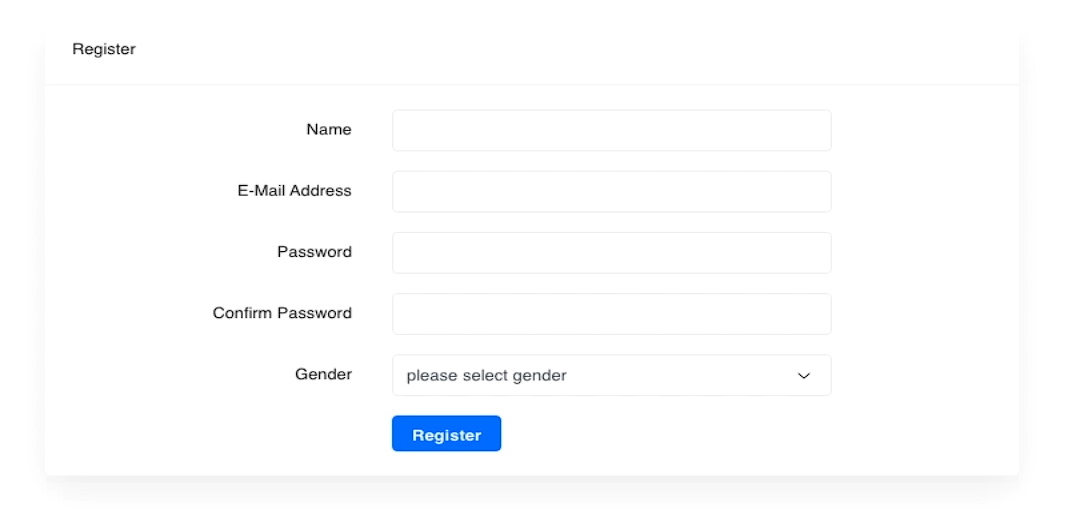
Source code: <https://github.com/bubigit/INSOK-proekt>

Project report:

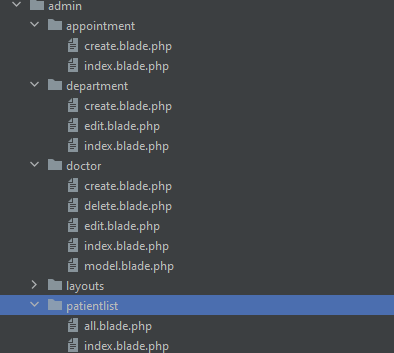
Doctor appointment application serves for making appointments online so you could visit your doctor. For this project we will need three types of users: admin, doctor, patient. Admin can add doctors in the systems, doctors can create time slots for appointments and make prescriptions, patients can create their own profiles and make doctor appointments, after that they can view their prescription.

Here are the project scenarios:

* Admin, doctor, patients



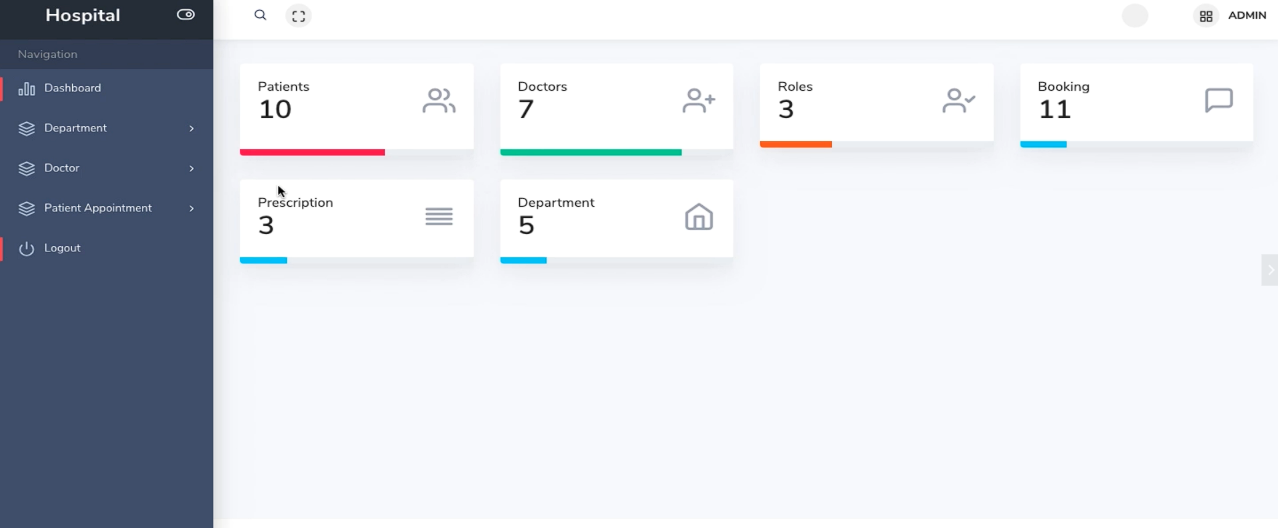
This is how the registration form looks like. This is used only for patients, admin account is pre-created and doctors are added only from admin panel.



These are all necessary views for admin panel. I will paste some code as an example, it will be for listing all doctors.

@extends('admin.layouts.master')  
  
@section('content')  
  
<*div* class="page-header">  
<*div* class="row align-items-end">  
 <*div* class="col-lg-8">  
 <*div* class="page-header-title">  
 <*i* class="ik ik-inbox bg-blue"></*i*>  
 <*div* class="d-inline">  
 <*h5*>*Doctors*</*h5*>  
 <*span*>*list of all doctors*</*span*>  
 </*div*>  
 </*div*>  
 </*div*>  
 <*div* class="col-lg-4">  
 <*nav* class="breadcrumb-container" *aria*-*label*="breadcrumb">  
 <*ol* class="breadcrumb">  
 <*li* class="breadcrumb-item">  
 <*a href*="../index.html"><*i* class="ik ik-home"></*i*></*a*>  
 </*li*>  
 <*li* class="breadcrumb-item">  
 <*a href*="#">*Doctors*</*a*>  
 </*li*>  
 <*li* class="breadcrumb-item active" *aria*-*current*="page">*Index*</*li*>  
 </*ol*>  
 </*nav*>  
 </*div*>  
</*div*>  
</*div*>  
  
  
<*div* class="row">  
<*div* class="col-md-12">  
 @if(Session::has('message'))  
 <*div* class="alert bg-success alert-success text-white" *role*="alert">  
 {{Session::get('message')}}  
 </*div*>  
 @endif  
 <*div* class="card">  
 <*div* class="card-header"><*h3*>*Data Table*</*h3*>  
  
 </*div*>  
 <*div* class="card-body">  
 <*table id*="data\_table" class="table">  
 <*thead*>  
 <*tr*>  
 <*th*>*Name*</*th*>  
 <*th* class="nosort">*Avatar*</*th*>  
 <*th*>*Email*</*th*>  
 <*th*>*Address*</*th*>  
 <*th*>*Phone number*</*th*>  
 <*th*>*Department*</*th*>  
 <*th* class="nosort">&*nbsp*;</*th*>  
 <*th* class="nosort">&*nbsp*;</*th*>  
 </*tr*>  
 </*thead*>  
 <*tbody*>  
 @if(count($users)>*0*)  
 @foreach($users as $user)  
 <*tr*>  
 <*td*>{{$user->name}}</*td*>  
 <*td*><*img src*="{{asset('images')}}/{{$user->image}}" class="table-user-thumb" *alt*=""></*td*>  
 <*td*>{{$user->email}}</*td*>  
 <*td*>{{$user->address}}</*td*>  
 <*td*>{{$user->phone\_number}}</*td*>  
 <*td*>{{$user->department}}</*td*>  
 <*td*>  
 <*div* class="table-actions">  
 <*a href*="#" *data*-*toggle*="modal" *data*-*target*="#exampleModal{{$user->id}}">  
 <*i* class="ik ik-eye"></*i*>  
 </*a*>  
 <*a href*="{{route('doctor.edit',[$user->id])}}"><*i* class="ik ik-edit-2"></*i*></*a*>  
   
 <*a href*="{{route('doctor.show',[$user->id])}}">  
 <*i* class="ik ik-trash-2"></*i*>  
 </*a*>  
  
 </*div*>  
 </*td*>  
 <*td*>*x*</*td*>  
  
 </*tr*>  
   
 <!-- *View Modal* -->  
 @include('admin.doctor.model')  
  
  
  
 @endforeach  
   
 @else   
 <*td*>*No user to display*</*td*>  
 @endif  
   
 </*tbody*>  
 </*table*>  
 </*div*>  
 </*div*>  
</*div*>  
</*div*>  
@*endsection*

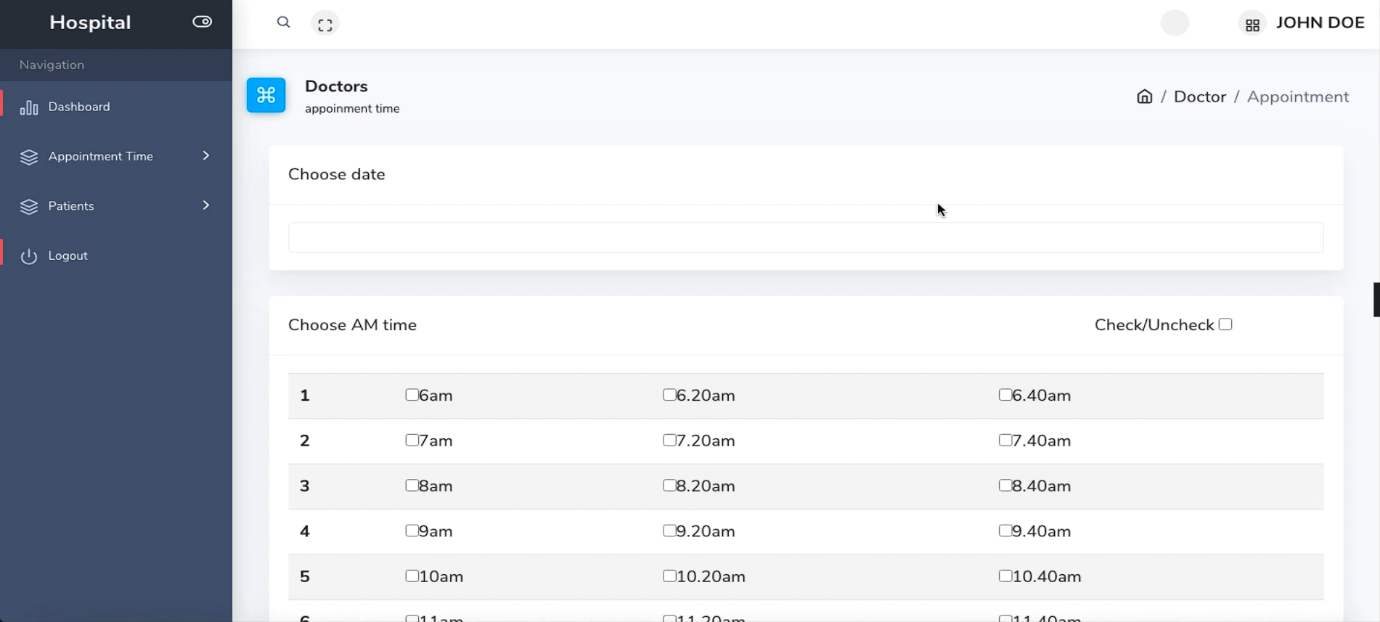
* Admin add doctor in the system



On this picture we can see the admin login panel. We can create new departments, add doctors and check patients appointments.

Here is some code example for that:  
  
@extends('admin.layouts.master')  
  
@section('content')  
  
<*div* class="page-header">  
 <*div* class="row align-items-end">  
 <*div* class="col-lg-8">  
 <*div* class="page-header-title">  
 <*i* class="ik ik-command bg-blue"></*i*>  
 <*div* class="d-inline">  
 <*h5*>*Doctors*</*h5*>  
 <*span*>*add doctor*</*span*>  
 </*div*>  
 </*div*>  
 </*div*>  
 <*div* class="col-lg-4">  
 <*nav* class="breadcrumb-container" *aria*-*label*="breadcrumb">  
 <*ol* class="breadcrumb">  
 <*li* class="breadcrumb-item">  
 <*a href*="../index.html"><*i* class="ik ik-home"></*i*></*a*>  
 </*li*>  
 <*li* class="breadcrumb-item"><*a href*="#">*Doctor*</*a*></*li*>  
 <*li* class="breadcrumb-item active" *aria*-*current*="page">*Create*</*li*>  
 </*ol*>  
 </*nav*>  
 </*div*>  
 </*div*>  
</*div*>  
  
<*div* class="row justify-content-center">  
 <*div* class="col-lg-10">  
 @if(Session::has('message'))  
 <*div* class="alert bg-success alert-success text-white" *role*="alert">  
 {{Session::get('message')}}  
 </*div*>  
 @endif  
   
 <*div* class="card">  
 <*div* class="card-header"><*h3*>*Add doctor*</*h3*></*div*>  
 <*div* class="card-body">  
 <*form* class="forms-sample" *action*="{{route('doctor.store')}}" *method*="post" *enctype*="multipart/form-data" >@*csrf* <*div* class="row">  
 <*div* class="col-lg-6">  
 <*label* for="">*Full name*</*label*>  
 <*input type*="text" *name*="name" class="form-control @error('name') is-invalid @enderror" *placeholder*="doctor name" *value*=" {{old('name')}}">  
 @error('name')  
 <*span* class="invalid-feedback" *role*="alert">  
 <*strong*>{{ $message }}</*strong*>  
 </*span*>  
 @*enderror* </*div*>  
 <*div* class="col-lg-6">  
 <*label* for="">*Email*</*label*>  
 <*input type*="email" *name*="email" class="form-control @error('email') is-invalid @enderror" *placeholder*="email"*value*=" {{old('email')}}">  
 @error('email')  
 <*span* class="invalid-feedback" *role*="alert">  
 <*strong*>{{ $message }}</*strong*>  
 </*span*>  
 @*enderror* </*div*>  
 </*div*>  
  
 <*div* class="row">  
 <*div* class="col-lg-6">  
 <*label* for="">*Password*</*label*>  
 <*input type*="password" *name*="password" class="form-control @error('password') is-invalid @enderror" *placeholder*="doctor password">  
 @error('password')  
 <*span* class="invalid-feedback" *role*="alert">  
 <*strong*>{{ $message }}</*strong*>  
 </*span*>  
 @*enderror* </*div*>  
 <*div* class="col-lg-6">  
 <*label* for="">*Gender*</*label*>  
 <*select* class="form-control @error('gender') is-invalid @enderror" *name*="gender">  
 <*option value*="">*select*</*option*>  
 <*option value*="male">*Male*</*option*>  
 <*option value*="female">*Female*</*option*>  
 </*select*>  
 @error('gender')  
 <*span* class="invalid-feedback" *role*="alert">  
 <*strong*>{{ $message }}</*strong*>  
 </*span*>  
 @*enderror* </*div*>  
 </*div*>  
  
 <*div* class="row">  
 <*div* class="col-lg-6">  
 <*label* for="">*Education*</*label*>  
 <*input type*="text" *name*="education" class="form-control @error('education') is-invalid @enderror" *placeholder*="doctor highest degree" *value*=" {{old('education')}}">  
 @error('education')  
 <*span* class="invalid-feedback" *role*="alert">  
 <*strong*>{{ $message }}</*strong*>  
 </*span*>  
 @*enderror* </*div*>  
 <*div* class="col-lg-6">  
 <*label* for="">*Address*</*label*>  
 <*input type*="text" *name*="address" class="form-control @error('address') is-invalid @enderror" *placeholder*="doctor address" *value*="{{old('address')}}">  
 @error('address')  
 <*span* class="invalid-feedback" *role*="alert">  
 <*strong*>{{ $message }}</*strong*>  
 </*span*>  
 @*enderror* </*div*>  
 </*div*>  
  
 <*div* class="row">  
 <*div* class="col-md-6">  
 <*div* class="form-group">  
 <*label* for="">*Specialist*</*label*>  
 <*select name*="department" class="form-control">  
 <*option value*="">*Please select*</*option*>  
  
 @foreach(App\Department::all() as $d)  
 <*option value*="{{$d->department}}">{{$d->department}}</*option*>  
 @endforeach  
 </*select*>  
  
  
 @error('department')  
 <*span* class="invalid-feedback" *role*="alert">  
 <*strong*>{{ $message }}</*strong*>  
 </*span*>  
 @*enderror* </*div*>  
 </*div*>  
  
 <*div* class="col-md-6">  
 <*div* class="form-group">  
 <*label* for="">*Phone number*</*label*>  
 <*input type*="text" *name*="phone\_number" class="form-control @error('phone\_number') is-invalid @enderror"*value*=" {{old('phone\_number')}}">  
 @error('phone\_number')  
 <*span* class="invalid-feedback" *role*="alert">  
 <*strong*>{{ $message }}</*strong*>  
 </*span*>  
 @*enderror* </*div*>  
 </*div*>  
  
 </*div*>  
 <*div* class="row">  
 <*div* class="col-md-6">  
 <*div* class="form-group">  
 <*label*>*Image*</*label*>  
 <*input type*="file" class="form-control file-upload-info @error('image') is-invalid @enderror" *placeholder*="Upload Image" *name*="image">  
 <*span* class="input-group-append">  
   
 </*span*>  
 @error('image')  
 <*span* class="invalid-feedback" *role*="alert">  
 <*strong*>{{ $message }}</*strong*>  
 </*span*>  
 @*enderror* </*div*>  
 </*div*>  
 <*div* class="col-md-6">  
 <*label*>*Role*</*label*>  
 <*select name*="role\_id" class="form-control @error('role\_id') is-invalid @enderror">  
 <*option value*="">*Please select role*</*option*>  
 @foreach(App\Role::where('name','!=','patient')->get() as $role)  
 <*option value*="{{$role->id}}">{{$role->name}}</*option*>  
 @endforeach  
   
 </*select*>  
 @error('role\_id')  
 <*span* class="invalid-feedback" *role*="alert">  
 <*strong*>{{ $message }}</*strong*>  
 </*span*>  
 @*enderror* </*div*>  
 </*div*>  
   
   
   
   
 <*div* class="form-group">  
 <*label* for="exampleTextarea1">*About*</*label*>  
 <*textarea* class="form-control @error('description') is-invalid @enderror" *id*="exampleTextarea1" *rows*="4" *name*="description">  
 {{old('description')}}  
  
 </*textarea*>  
 @error('description')  
 <*span* class="invalid-feedback" *role*="alert">  
 <*strong*>{{ $message }}</*strong*>  
 </*span*>  
 @*enderror* </*div*>  
 <*button type*="submit" class="btn btn-primary mr-2">*Submit*</*button*>  
 <*button* class="btn btn-light">*Cancel*</*button*>  
  
  
 </*form*>  
 </*div*>  
 </*div*>  
 </*div*>  
</*div*>  
  
  
@*endsection*

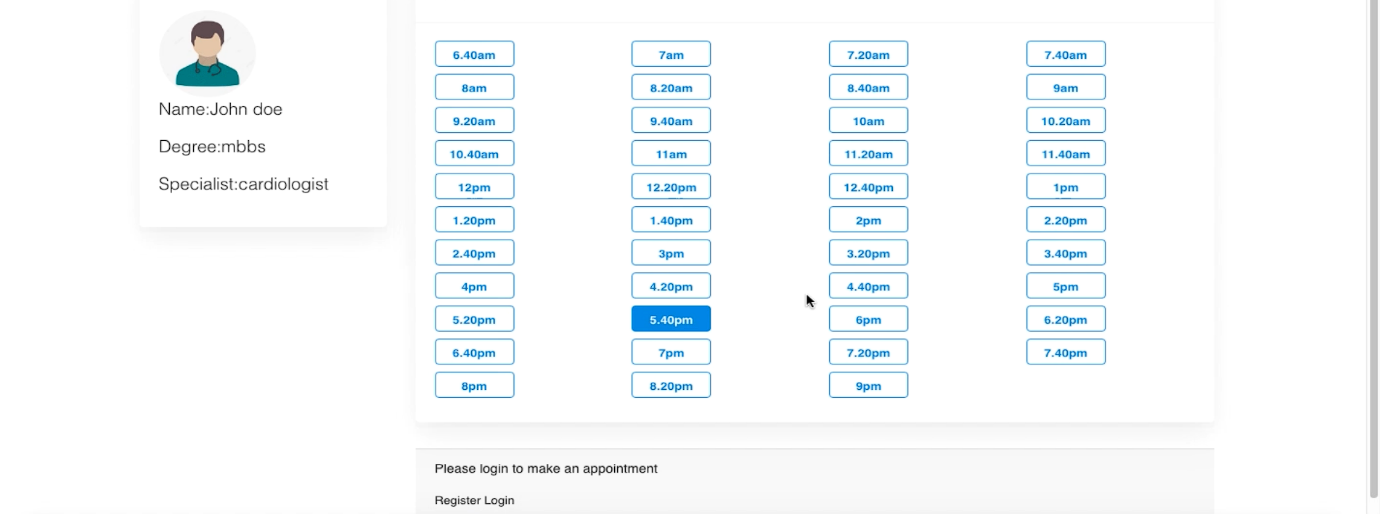
* Doctor can make appointment time slot



If you are logged in as doctor, you can choose specific date and create time appointments for the patients to choose from.

Here is some code example for this:  
  
@extends('admin.layouts.master')  
  
@section('content')  
  
<*div* class="page-header">  
 <*div* class="row align-items-end">  
 <*div* class="col-lg-8">  
   
  
 <*div* class="page-header-title">  
 <*i* class="ik ik-command bg-blue"></*i*>  
 <*div* class="d-inline">  
 <*h5*>*Doctors*</*h5*>  
 <*span*>*appoinment time*</*span*>  
   
 </*div*>  
 </*div*>  
 </*div*>  
 <*div* class="col-lg-4">  
 <*nav* class="breadcrumb-container" *aria*-*label*="breadcrumb">  
 <*ol* class="breadcrumb">  
 <*li* class="breadcrumb-item">  
 <*a href*="../index.html"><*i* class="ik ik-home"></*i*></*a*>  
 </*li*>  
 <*li* class="breadcrumb-item"><*a href*="#">*Doctor*</*a*></*li*>  
 <*li* class="breadcrumb-item active" *aria*-*current*="page">*Appointment*</*li*>  
 </*ol*>  
 </*nav*>  
 </*div*>  
 </*div*>  
</*div*>  
  
<*div* class="container">  
 @if(Session::has('message'))  
 <*div* class="alert bg-success alert-success text-white" *role*="alert">  
 {{Session::get('message')}}  
 </*div*>  
 @endif  
 @foreach($errors->all() as $error)  
 <*div* class="alert alert-danger">  
 {{$error}}  
   
 </*div*>  
   
 @endforeach  
   
   
 <*form action*="{{route('appointment.store')}}" *method*="post">@*csrf* <*div* class="card">  
 <*div* class="card-header">  
 *Choose date* </*div*>  
 <*div* class="card-body">  
 <*input type*="text" class="form-control datetimepicker-input" *id*="datepicker" *data*-*toggle*="datetimepicker" *data*-*target*="#datepicker" *name*="date">  
 </*div*>  
 </*div*>  
  
 <*div* class="card">  
 <*div* class="card-header">  
 *Choose AM time* <*span style*="margin-left: 700px">*Check*/*Uncheck* <*input type*="checkbox" *onclick*=" for(c in document.getElementsByName('time[]')) document.getElementsByName('time[]').item(c).checked=this.checked" >  
 </*span*>  
 </*div*>  
 <*div* class="card-body">  
   
 <*table* class="table table-striped">  
   
   
 <*tbody*>  
 <*tr*>  
 <*th scope*="row">*1*</*th*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="6am">*6am*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="6.20am">*6.20am*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="6.40am">*6.40am*</*td*>  
 </*tr*>  
 <*tr*>  
 <*th scope*="row">*2*</*th*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="7am">*7am*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="7.20am">*7.20am*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="7.40am">*7.40am*</*td*>  
 </*tr*>  
 <*tr*>  
 <*th scope*="row">*3*</*th*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="8am">*8am*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="8.20am">*8.20am*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="8.40am">*8.40am*</*td*>  
 </*tr*>  
  
 <*tr*>  
 <*th scope*="row">*4*</*th*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="9am">*9am*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="9.20am">*9.20am*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="9.40am">*9.40am*</*td*>  
 </*tr*>  
  
 <*tr*>  
 <*th scope*="row">*5*</*th*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="10am">*10am*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="10.20am">*10.20am*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="10.40am">*10.40am*</*td*>  
 </*tr*>  
  
 <*tr*>  
 <*th scope*="row">*6*</*th*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="11am">*11am*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="11.20am">*11.20am*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="11.40am">*11.40am*</*td*>  
 </*tr*>  
   
   
 </*tbody*>  
 </*table*>  
 </*div*>  
 </*div*>  
  
 <*div* class="card">  
 <*div* class="card-header">  
 *Choose PM time* </*div*>  
 <*div* class="card-body">  
   
 <*table* class="table table-striped">  
   
   
 <*tbody*>  
 <*tr*>  
 <*th scope*="row">*7*</*th*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="12pm">*12pm*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="12.20pm">*12.20pm*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="12.40pm">*12.40pm*</*td*>  
 </*tr*>  
 <*tr*>  
 <*th scope*="row">*7*</*th*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="1pm">*1pm*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="1.20pm">*1.20pm*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="1.40pm">*1.40pm*</*td*>  
 </*tr*>  
 <*tr*>  
 <*th scope*="row">*8*</*th*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="2pm">*2pm*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="2.20pm">*2.20pm*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="2.40pm">*2.40pm*</*td*>  
 </*tr*>  
 <*tr*>  
 <*th scope*="row">*9*</*th*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="3pm">*3pm*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="3.20pm">*3.20pm*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="3.40pm">*3.40pm*</*td*>  
 </*tr*>  
 <*tr*>  
 <*th scope*="row">*10*</*th*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="4pm">*4pm*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="4.20pm">*4.20pm*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="4.40pm">*4.40pm*</*td*>  
 </*tr*>  
 <*tr*>  
 <*th scope*="row">*11*</*th*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="5pm">*5pm*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="5.20pm">*5.20pm*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="5.40pm">*5.40pm*</*td*>  
 </*tr*>  
 <*tr*>  
 <*th scope*="row">*12*</*th*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="6pm">*6pm*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="6.20pm">*6.20pm*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="6.40pm">*6.40pm*</*td*>  
 </*tr*>  
 <*tr*>  
 <*th scope*="row">*13*</*th*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="7pm">*7pm*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="7.20pm">*7.20pm*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="7.40pm">*7.40pm*</*td*>  
 </*tr*>  
 <*tr*>  
 <*th scope*="row">*14*</*th*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="8pm">*8pm*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="8.20pm">*8.20pm*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="8.40pm">*8.40pm*</*td*>  
 </*tr*>  
 <*tr*>  
 <*th scope*="row">*15*</*th*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="9pm">*9pm*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="9.20pm">*9.20pm*</*td*>  
 <*td*><*input type*="checkbox" *name*="time[]" *value*="9.40pm">*9.40pm*</*td*>  
 </*tr*>  
   
   
   
 </*tbody*>  
 </*table*>  
 </*div*>  
 </*div*>  
 <*div* class="card">  
 <*div* class="card-body">  
 <*button type*="submit" class="btn btn-primary">*Submit*</*button*>  
 </*div*>  
 </*div*>  
 </*form*>  
  
</*div*>  
  
<*style type*="text/css">  
 *input*[*type*="checkbox"]{  
 zoom:*1.1*;  
   
 }  
 *body*{  
 *font*-*size*: *18px*;  
 }  
</*style*>  
  
  
  
@*endsection*

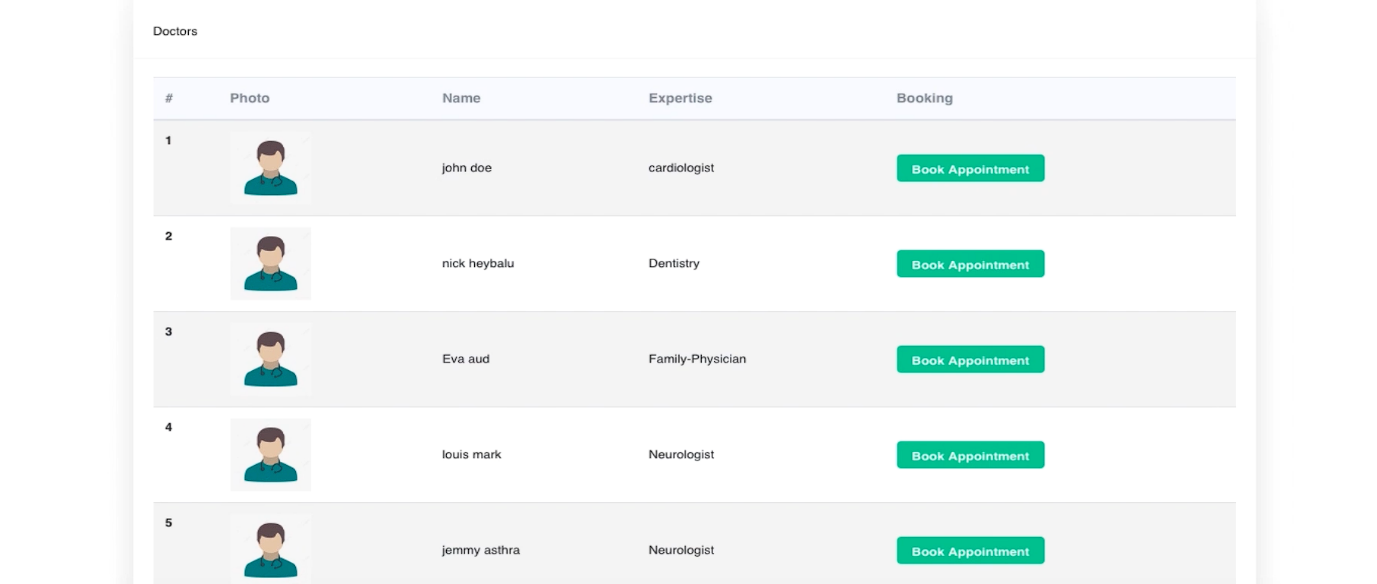
* Patients can book an appointment with doctor



To make an appointment with some of the doctors, you need to be logged in. After choosing time, you can confirm the appointment. After appointment is made, you will receive email notifications with all information about the appointment. Also appointment will disappear from the list of available appointments.

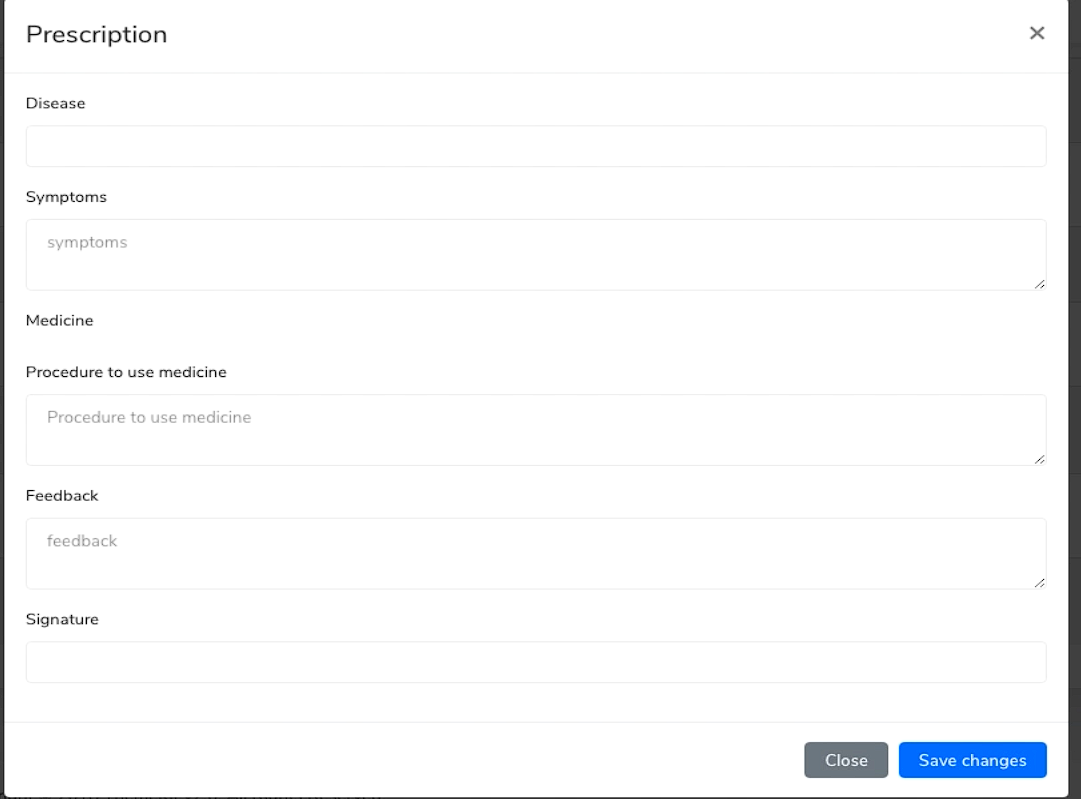
@extends('layouts.app')  
  
@section('content')  
<*div* class="container">  
 <*div* class="row">  
 <*div* class="col-md-3">  
 <*div* class="card">  
 <*div* class="card-body">  
 <*h4* class="text-center">*Doctor Information*</*h4*>  
 <*img src*="{{asset('images')}}/{{$user->image}}" *width*="100px" *style*="border-radius: 50%;" >  
 <*br*>  
 <*p* class="lead"> *Name*:{{ucfirst($user->name)}}</*p*>  
 <*p* class="lead"> *Degree*:{{$user->education}}</*p*>  
 <*p* class="lead"> *Specialist*:{{$user->department}}</*p*>  
 </*div*>  
   
 </*div*>  
   
 </*div*>  
 <*div* class="col-md-9">  
 @foreach($errors->all() as $error)  
 <*div* class="alert alert-danger">{{$error}}</*div*>  
 @endforeach  
  
 @if(Session::has('message'))  
 <*div* class="alert alert-success">  
 {{Session::get('message')}}  
 </*div*>  
 @endif  
  
 @if(Session::has('errmessage'))  
 <*div* class="alert alert-danger">  
 {{Session::get('errmessage')}}  
 </*div*>  
 @endif  
   
   
 <*form action*="{{route('booking.appointment')}}" *method*="post">@*csrf* <*div* class="card">  
 <*div* class="card-header lead">{{$date}}</*div*>  
 <*div* class="card-body">  
 <*div* class="row">  
 @foreach($times as $time)  
 <*div* class="col-md-3">  
 <*label* class="btn btn-outline-primary">  
 <*input type*="radio" *name*="time" *value*="{{$time->time}}" >  
 <*span*>{{$time->time}}  
 </*span*>  
 </*label*>  
 </*div*>  
 <*input type*="hidden" *name*="doctorId" *value*="{{$doctor\_id}}">  
 <*input type*="hidden" *name*="appointmentId" *value* ="{{$time->appointment\_id}}">  
 <*input type*="hidden" *name*="date" *value* ="{{$date}}">  
  
  
  
   
   
 @endforeach  
 </*div*>  
 </*div*>  
 </*div*>  
 <*div* class="card-footer">  
 @if(Auth::check())  
 <*button type*="submit" class="btn btn-success" *style*="width: 100%;">*Book Appointment*</*button*>  
 @else   
 <*p*>*Please login to make an appointment*</*p*>  
 <*a href*="/register">*Register*</*a*>  
 <*a href*="/login">*Login*</*a*>  
 @endif  
  
   
 </*div*>  
  
  
 </*form*>  
  
 </*div*>  
 </*div*>  
</*div*>  
@*endsection*

* Implement filter at frontend to search doctors



As you are looking on the doctors list you can filter them to browse specific doctor.

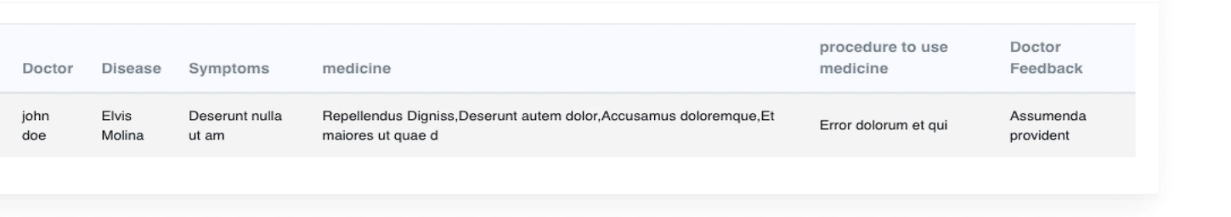
* Doctor will make a prescription

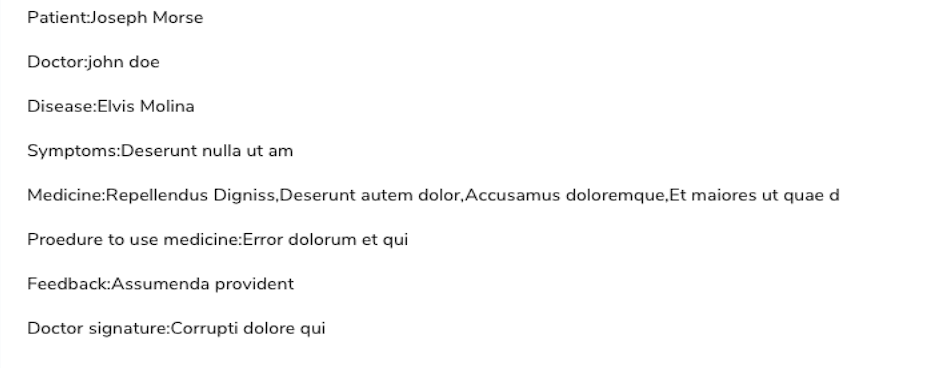


This is how it looks to populate one prescription for some patient.

This is the code for viewing this prescription box:  
  
@extends('admin.layouts.master')  
@section('content')  
<*div* class="container">  
 <*div* class="row justify-content-center">  
 <*div* class="col-md-12">  
 <*div* class="card">  
   
 <*div* class="card-header" >  
   
   
 </*div*>  
  
 <*div* class="card-body">  
 <*p*>*Date*:{{$prescription->date}}</*p*>  
 <*p*>*Patient*:{{$prescription->user->name}}</*p*>  
 <*p*>*Doctor*:{{$prescription->doctor->name}}</*p*>  
 <*p*>*Disease*:{{$prescription->name\_of\_disease}}</*p*>  
 <*p*>*Symptoms*:{{$prescription->symptoms}}</*p*>  
 <*p*>*Medicine*:{{$prescription->medicine}}</*p*>  
 <*p*>*Proedure to* use medicine:{{$prescription->procedure\_to\_use\_medicine}}</*p*>  
 <*p*>*Feedback*:{{$prescription->feedback}}</*p*>  
 <*p*>*Doctor signature*:{{$prescription->signature}}</*p*>  
  
   
 </*div*>  
 </*div*>  
 </*div*>  
 </*div*>  
</*div*>  
  
@*endsection*

* Patients can view their prescription

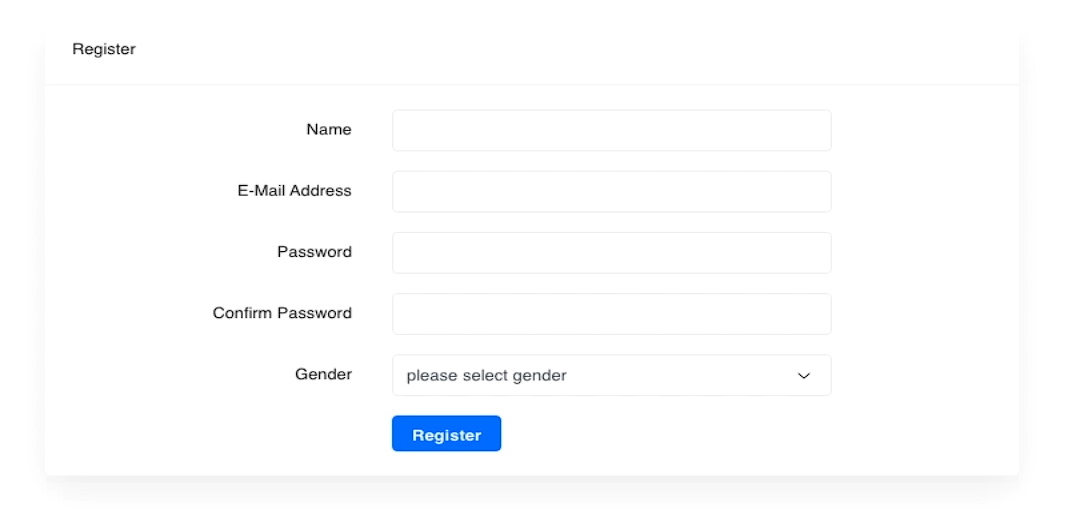




This is how patients are viewing their prescriptions and this is the code that shows this:  
  
@extends('layouts.app')  
  
@section('content')  
<*div* class="container">  
 <*div* class="row justify-content-center">  
 <*div* class="col-md-12">  
 <*div* class="card">  
 <*div* class="card-header">*My prescriptions*</*div*>  
  
 <*div* class="card-body">  
   
 <*table* class="table table-striped">  
 <*thead*>  
 <*tr*>  
   
 <*th scope*="col">*Date*</*th*>  
 <*th scope*="col">*Doctor*</*th*>  
 <*th scope*="col">*Disease*</*th*>  
 <*th scope*="col">*Symptoms*</*th*>  
 <*th scope*="col">*medicine*</*th*>  
 <*th scope*="col">*procedure to* use medicine</th>  
 <th scope="col">Doctor Feedback</th>  
 </tr>  
 </thead>  
 <tbody>  
 @forelse($prescriptions as $prescription)  
 <tr>  
   
 <td>{{$prescription->date}}</*td*>  
 <*td*>{{$prescription->doctor->name}}</*td*>  
 <*td*>{{$prescription->name\_of\_disease}}</*td*>  
 <*td*>{{$prescription->symptoms}}</*td*>  
 <*td*>{{$prescription->medicine}}</*td*>  
 <*td*>{{$prescription->procedure\_to\_use\_medicine}}</*td*>  
 <*td*>{{$prescription->feedback}}</*td*>  
 </*tr*>  
 @*empty* <*td*>*You have no prescriptions*</*td*>  
 @*endforelse* </*tbody*>  
 </*table*>  
  
  
 </*div*>  
 </*div*>  
 </*div*>  
 </*div*>  
</*div*>  
@*endsection*

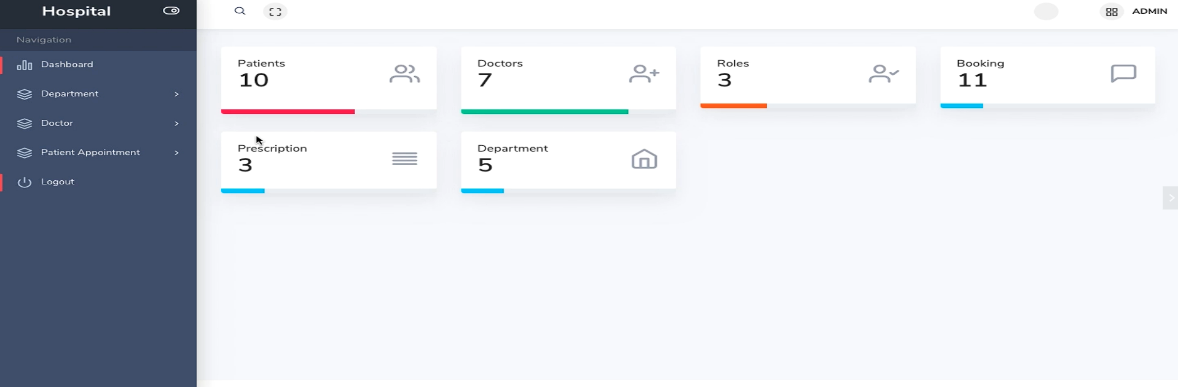
* Patients can make their profiles

As we mentioned before, only patients can create their profiles. I will add account registration picture again here.



This is the registration code view:  
  
@extends('layouts.app')  
  
@section('content')  
<*div* class="container">  
 <*div* class="row justify-content-center">  
 <*div* class="col-md-8">  
 <*div* class="card">  
 <*div* class="card-header">{{ \_\_('Register') }}</*div*>  
  
 <*div* class="card-body">  
 <*form method*="POST" *action*="{{ route('register') }}">  
 @*csrf* <*div* class="form-group row">  
 <*label* for="name" class="col-md-4 col-form-label text-md-right">{{ \_\_('Name') }}</*label*>  
  
 <*div* class="col-md-6">  
 <*input id*="name" *type*="text" class="form-control @error('name') is-invalid @enderror" *name*="name" *value*="{{ old('name') }}" *required autocomplete*="name" *autofocus*>  
  
 @error('name')  
 <*span* class="invalid-feedback" *role*="alert">  
 <*strong*>{{ $message }}</*strong*>  
 </*span*>  
 @*enderror* </*div*>  
 </*div*>  
  
 <*div* class="form-group row">  
 <*label* for="email" class="col-md-4 col-form-label text-md-right">{{ \_\_('E-Mail Address') }}</*label*>  
  
 <*div* class="col-md-6">  
 <*input id*="email" *type*="email" class="form-control @error('email') is-invalid @enderror" *name*="email" *value*="{{ old('email') }}" *required autocomplete*="email">  
  
 @error('email')  
 <*span* class="invalid-feedback" *role*="alert">  
 <*strong*>{{ $message }}</*strong*>  
 </*span*>  
 @*enderror* </*div*>  
 </*div*>  
  
 <*div* class="form-group row">  
 <*label* for="password" class="col-md-4 col-form-label text-md-right">{{ \_\_('Password') }}</*label*>  
  
 <*div* class="col-md-6">  
 <*input id*="password" *type*="password" class="form-control @error('password') is-invalid @enderror" *name*="password" *required autocomplete*="new-password">  
  
 @error('password')  
 <*span* class="invalid-feedback" *role*="alert">  
 <*strong*>{{ $message }}</*strong*>  
 </*span*>  
 @*enderror* </*div*>  
 </*div*>  
  
 <*div* class="form-group row">  
 <*label* for="password-confirm" class="col-md-4 col-form-label text-md-right">{{ \_\_('Confirm Password') }}</*label*>  
  
 <*div* class="col-md-6">  
 <*input id*="password-confirm" *type*="password" class="form-control" *name*="password\_confirmation" *required autocomplete*="new-password">  
 </*div*>  
 </*div*>  
  
  
 <*div* class="form-group row">  
 <*label* for="password-confirm" class="col-md-4 col-form-label text-md-right">{{ \_\_('Gender') }}</*label*>  
  
 <*div* class="col-md-6">  
 <*select name*="gender" class="form-control @error('gender') is-invalid @enderror">  
 <*option value*="">*please select gender*</*option*>  
 <*option value*="male">*Male*</*option*>  
 <*option value*="female">*Female*</*option*>  
 </*select*>  
 </*div*>  
  
 @error('gender')  
 <*span* class="invalid-feedback" *role*="alert">  
 <*strong*>{{ $message }}</*strong*>  
 </*span*>  
 @*enderror* </*div*>  
  
  
 <*div* class="form-group row mb-0">  
 <*div* class="col-md-6 offset-md-4">  
 <*button type*="submit" class="btn btn-primary">  
 {{ \_\_('Register') }}  
 </*button*>  
 </*div*>  
 </*div*>  
 </*form*>  
 </*div*>  
 </*div*>  
 </*div*>  
 </*div*>  
</*div*>  
@*endsection*

* Dashboard analystics

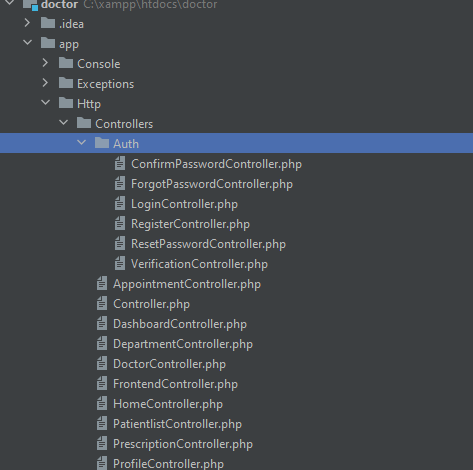


As we can see on the admin or the doctors panel, we can see clearly how many patients, doctors, roles, departments, bookings and prescriptions we have.

This is the dashboard code, to include the necessary code from admin.layouts.

@include('admin.layouts.header')  
@include('admin.layouts.sidebar')  
@include('admin.layouts.content')  
@include('admin.layouts.footer')

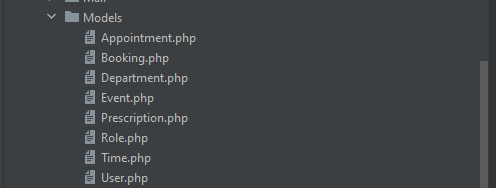
These are the controllers that we have for this project.



Here is one example from the doctor controller code:  
  
<?*php*namespace App\Http\Controllers;  
  
use Illuminate\Http\Request;  
use App\User;  
class DoctorController extends Controller  
{  
 /\*\*  
 \* Display a listing of the resource.  
 \*  
 \* @return \Illuminate\Http\Response  
 \*/  
 public function index()  
 {  
   
 $users = User::where('role\_id','!=',*3*)->get();  
 return view('admin.doctor.index',compact('users'));  
 }  
  
 /\*\*  
 \* Show the form for creating a new resource.  
 \*  
 \* @return \Illuminate\Http\Response  
 \*/  
 public function create()  
 {  
 return view('admin.doctor.create');  
 }  
  
 /\*\*  
 \* Store a newly created resource in storage.  
 \*  
 \* @param \Illuminate\Http\Request $request  
 \* @return \Illuminate\Http\Response  
 \*/  
 public function store(Request $request)  
 {  
 $this->validateStore($request);  
 $data = $request->all();  
 $name = (new User)->userAvatar($request);  
  
 $data['image'] = $name;  
 $data['password'] = bcrypt($request->password);  
 User::create($data);  
  
 return redirect()->back()->with('message','Doctor added successfully');  
  
  
   
 }  
  
 /\*\*  
 \* Display the specified resource.  
 \*  
 \* @param int $id  
 \* @return \Illuminate\Http\Response  
 \*/  
 public function show($id)  
 {  
 $user = User::find($id);  
 return view('admin.doctor.delete',compact('user'));  
 }  
  
 /\*\*  
 \* Show the form for editing the specified resource.  
 \*  
 \* @param int $id  
 \* @return \Illuminate\Http\Response  
 \*/  
 public function edit($id)  
 {  
 $user = User::find($id);  
 return view('admin.doctor.edit',compact('user'));  
 }  
  
 /\*\*  
 \* Update the specified resource in storage.  
 \*  
 \* @param \Illuminate\Http\Request $request  
 \* @param int $id  
 \* @return \Illuminate\Http\Response  
 \*/  
 public function update(Request $request, $id)  
 {  
 $this->validateUpdate($request,$id);  
 $data = $request->all();  
 $user = User::find($id);  
 $imageName = $user->image;  
 $userPassword = $user->password;  
 if($request->hasFile('image')){  
 $imageName =(new User)->userAvatar($request);  
 unlink(public\_path('images/'.$user->image));  
 }  
 $data['image'] = $imageName;  
 if($request->password){  
 $data['password'] = bcrypt($request->password);  
 }else{  
 $data['password'] = $userPassword;  
 }  
 $user->update($data);  
 return redirect()->route('doctor.index')->with('message','Doctor updated successfully');  
  
 }  
  
 /\*\*  
 \* Remove the specified resource from storage.  
 \*  
 \* @param int $id  
 \* @return \Illuminate\Http\Response  
 \*/  
 public function destroy($id)  
 {  
 if(auth()->user()->id == $id){  
 abort(*401*);  
 }  
 $user = User::find($id);  
 $userDelete = $user->delete();  
 if($userDelete){  
 unlink(public\_path('images/'.$user->image));  
 }  
 return redirect()->route('doctor.index')->with('message','Doctor deleted successfully');  
  
 }  
  
 public function validateStore($request){  
 return $this->validate($request,[  
 'name'=>'required',  
 'email'=>'required|unique:users',  
 'password'=>'required|min:6|max:25',  
 'gender'=>'required',  
 'education'=>'required',  
 'address'=>'required',  
 'department'=>'required',  
 'phone\_number'=>'required|numeric',  
 'image'=>'required|mimes:jpeg,jpg,png',  
 'role\_id'=>'required',  
 'description'=>'required'  
  
 ]);  
 }  
 public function validateUpdate($request,$id){  
 return $this->validate($request,[  
 'name'=>'required',  
 'email'=>'required|unique:users,email,'.$id,  
   
 'gender'=>'required',  
 'education'=>'required',  
 'address'=>'required',  
 'department'=>'required',  
 'phone\_number'=>'required|numeric',  
 'image'=>'mimes:jpeg,jpg,png',  
 'role\_id'=>'required',  
 'description'=>'required'  
  
 ]);  
 }  
   
  
  
   
}

These are examples for showing views accordingly and storing information into database together with our Models.

These are available models for this project:



Another file that we need to share is web.php where all our routes are implemented.

<?*php*use Illuminate\Support\Facades\Route;  
  
/\*  
|--------------------------------------------------------------------------  
| Web Routes  
|--------------------------------------------------------------------------  
|  
| Here is where you can register web routes for your application. These  
| routes are loaded by the RouteServiceProvider within a group which  
| contains the "web" middleware group. Now create something great!  
|  
\*/  
  
  
  
  
  
Route::get('/event','EventCalender@index');  
  
Route::get('/','FrontendController@index');  
  
  
Route::get('/new-appointment/{doctorId}/{date}','FrontendController@show')->name('create.appointment');  
  
  
  
Route::group(['middleware'=>['auth','patient']],function(){  
  
 Route::post('/book/appointment','FrontendController@store')->name('booking.appointment');  
  
 Route::get('/my-booking','FrontendController@myBookings')->name('my.booking');  
  
 Route::get('/user-profile','ProfileController@index');  
 Route::post('/user-profile','ProfileController@store')->name('profile.store');  
 Route::post('/profile-pic','ProfileController@profilePic')->name('profile.pic');  
 Route::get('/my-prescription','FrontendController@myPrescription')->name('my.prescription');  
  
  
});  
  
  
Route::get('/dashboard','DashboardController@index');  
Auth::routes();  
  
Route::get('/home', 'HomeController@index')->name('home');  
  
  
  
Route::group(['middleware'=>['auth','admin']],function(){  
 Route::resource('doctor','DoctorController');  
 Route::get('/patients','PatientlistController@index')->name('patient');  
 Route::get('/patients/all','PatientlistController@allTimeAppointment')->name('all.appointments');  
 Route::get('/status/update/{id}','PatientlistController@toggleStatus')->name('update.status');  
 Route::resource('department','DepartmentController');  
  
  
});  
  
Route::group(['middleware'=>['auth','doctor']],function(){  
  
 Route::resource('appointment','AppointmentController');  
 Route::post('/appointment/check','AppointmentController@check')->name('appointment.check');  
 Route::post('/appointment/update','AppointmentController@updateTime')->name('update');  
  
 Route::get('patient-today','PrescriptionController@index')->name('patients.today');  
  
 Route::post('/prescription','PrescriptionController@store')->name('prescription');  
  
 Route::get('/prescription/{userId}/{date}','PrescriptionController@show')->name('prescription.show');  
 Route::get('/prescribed-patients','PrescriptionController@patientsFromPrescription')->name('prescribed.patients');  
  
  
});