

A PROJECT REPORT
ON

**Booking System for a Hotel/Resort using PHP and the Laravel
framework**

Submitted as a **Web Development Back-End**
MASTER OF TECHNOLOGY

in
ENVIRONMENTAL ENGINEERING

Submitted by

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ABSTRACT

The Common Booking System for Hotel/Resort is a web-based application built using PHP and the Laravel framework. It facilitates the management of booking requests and provides a tracking system for monitoring the status of bookings. This system streamlines the reservation process, ensuring efficient allocation of rooms and improved customer service.

Objective

The primary objective of this system is to automate the booking process for a hotel or resort. It aims to provide a user-friendly interface for both staff and customers, allowing for seamless reservation handling. Additionally, the system enables real-time tracking of booking statuses to enhance operational efficiency.

Introduction

The hospitality industry often faces challenges in managing booking requests efficiently. This system addresses this issue by providing a centralized platform for handling reservations. It offers features such as room availability checks, customer details storage, and status updates for each booking.

Methodology

The system was developed using the Laravel framework, a widely used PHP-based MVC framework known for its simplicity and scalability. The following steps were followed:

1. **Environment Setup:** A Laravel project was created, and the necessary dependencies were installed using Composer.
2. **Database Design:** The database schema was designed to include tables for bookings, rooms, customers, and statuses. Relationships between these tables were established.
3. **Model-View-Controller (MVC) Architecture:** Models were created for each entity (Booking, Room, Customer), and corresponding controllers were generated.
4. **Routing:** Routes were defined to handle various booking operations, such as creating, updating, and deleting bookings.
5. **Views:** Blade templates were used to create user interfaces for the booking system, including forms for inputting booking details.
6. **Business Logic:** Controllers were implemented to handle validation, room availability checks, and status updates.
7. **Authentication:** Basic authentication was set up to ensure secure access to the system.
8. **Testing:** Unit tests were written to validate the functionality of critical components, such as booking creation and status updates

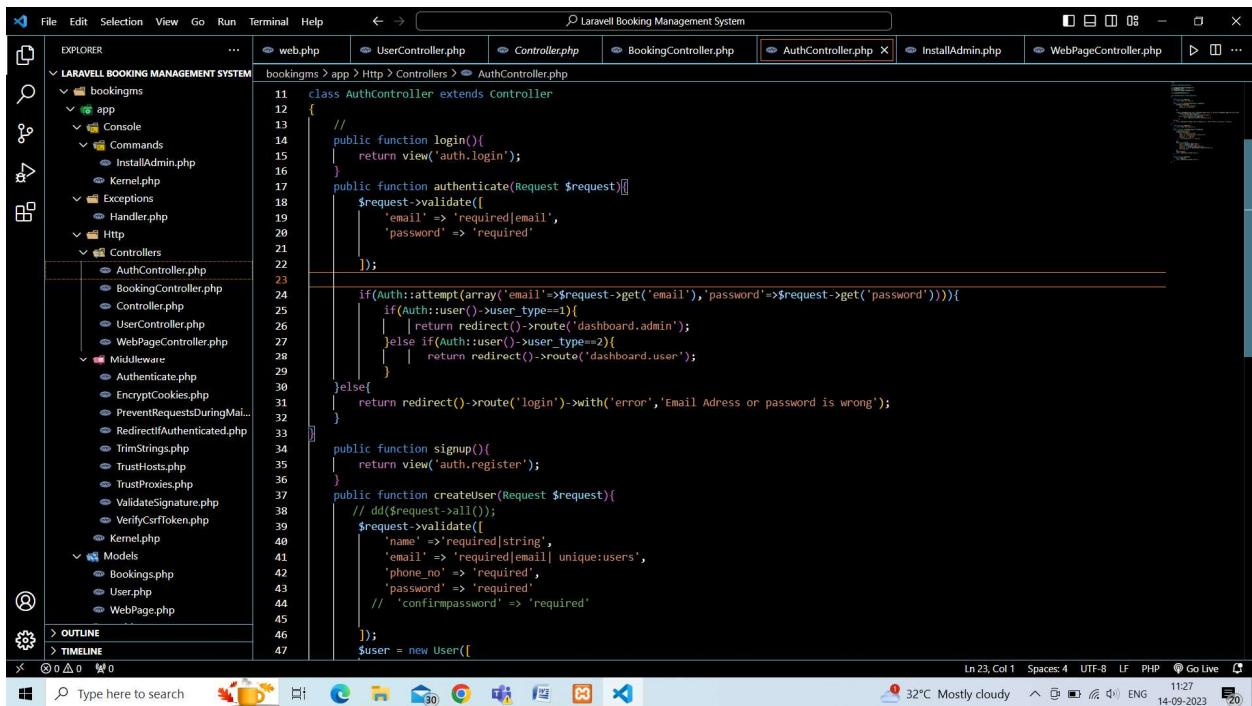
This screenshot shows the form for creating a new booking. It includes fields for customer details, check-in/out dates, and room type selection:-

Database Setup

The screenshot displays the phpMyAdmin interface for a database named 'laravel_bms'. The left sidebar shows a tree view of databases and their structures. The main panel lists eight tables: bookings, failed_jobs, jobs, migrations, password_reset_tokens, personal_access_tokens, users, and webpage. Below the table list is a summary: 8 tables, Sum. The 'Actions' column for each table includes icons for Browse, Structure, Search, Insert, Empty, Drop, Rows, Type, Collation, Size, and Overhead. At the bottom, there is a 'Create new table' dialog box with fields for 'Table name' (containing ' ') and 'Number of columns' (set to 4), with a 'Create' button.

This screenshot is identical to the one above, showing the phpMyAdmin interface for the 'laravel_bms' database. The database structure, table list, and 'Create new table' dialog are all the same.

Model-View-Controller (MVC) Architecture



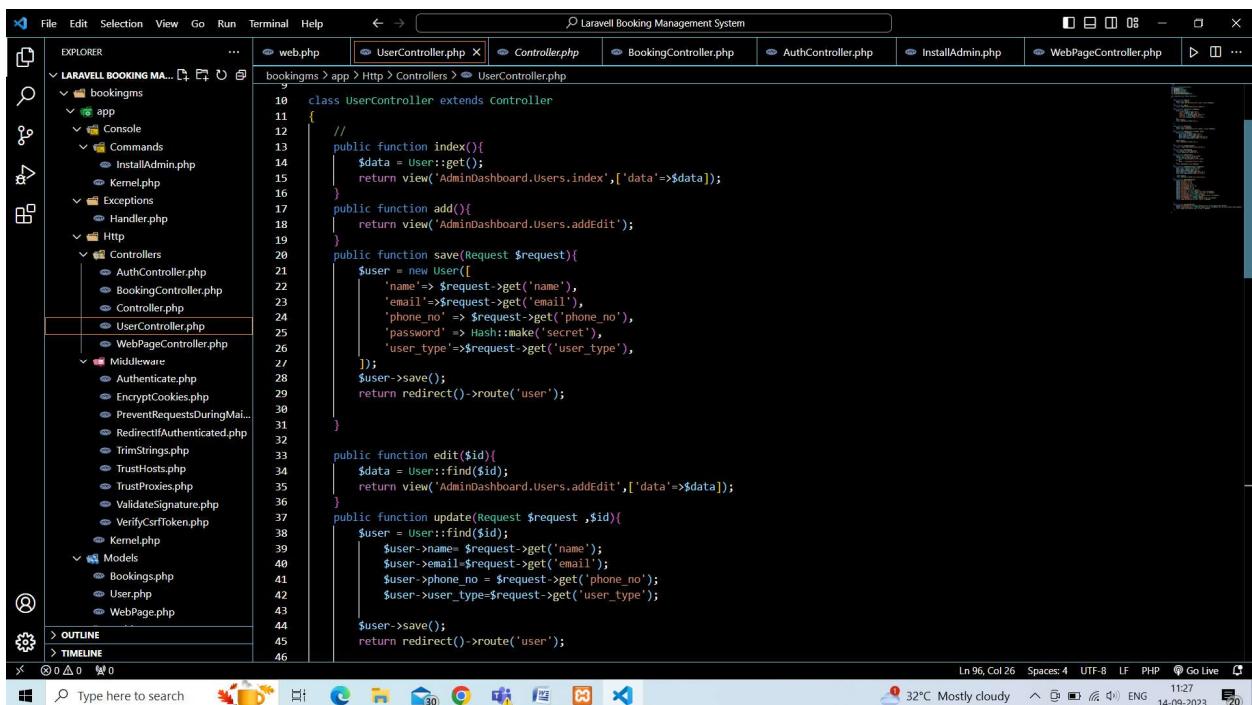
```
class AuthController extends Controller
{
    //
    public function login(){
        |
        return view('auth.login');
    }

    public function authenticate(Request $request){
        $request->validate([
            'email' => 'required|email',
            'password' => 'required'
        ]);

        if(Auth::attempt(array('email'=>$request->get('email'), 'password'=>$request->get('password')))){
            if(Auth::user()->user_type==1){
                |
                | return redirect()->rout('dashboard.admin');
            } else if(Auth::user()->user_type==2){
                |
                | return redirect()->rout('dashboard.user');
            }
        }else{
            return redirect()->rout('login')->with('error', 'Email Adress or password is wrong');
        }
    }

    public function signup(){
        |
        return view('auth.register');
    }

    public function createUser(Request $request){
        // dd($request->all());
        $request->validate([
            'name' => 'required|string',
            'email' => 'required|email| unique:users',
            'phone_no' => 'required',
            'password' => 'required'
            // 'confirm_password' => 'required'
        ]);
        $user = new User([
    
```



```
class UserController extends Controller
{
    //
    public function index(){
        $data = User::get();
        |
        return view('AdminDashboard.Users.index',[ 'data'=>$data]);
    }

    public function add(){
        |
        return view('AdminDashboard.Users.addEdit');
    }

    public function save(Request $request){
        |
        $user = new User([
            'name'=> $request->get('name'),
            'email'=> $request->get('email'),
            'phone_no' => $request->get('phone_no'),
            'password' => Hash::make('secret'),
            'user_type'=> $request->get('user_type'),
        ]);
        |
        $user->save();
        return redirect()->rout('user');
    }

    public function edit($id){
        |
        $data = User::find($id);
        |
        return view('AdminDashboard.Users.addEdit',[ 'data'=>$data]);
    }

    public function update(Request $request, $id){
        |
        $user = User::find($id);
        |
        $user->name = $request->get('name');
        $user->email = $request->get('email');
        $user->phone_no = $request->get('phone_no');
        $user->user_type=$request->get('user_type');

        |
        $user->save();
        return redirect()->rout('user');
    }
}
```

Laravel Booking Management System

```

File Edit Selection View Go Run Terminal Help < > Laravel Booking Management System
EXPLORER ... web.php UserController.php Controller.php BookingController.php AuthController.php InstallAdmin.php WebPageController.php
bookings > app > Http > Controllers > UserController.php
60     $view = 'userDashboard.Profile.index';
61 }
62     return view($view,['data'=>$data]);
63 }
64 public function saveProfile(Request $request){
65     $user = User::find(Auth::user()->id);
66     $user->name= $request->get('name');
67     $user->email=$request->get('email');
68     $user->phone_no = $request->get('phone_no');
69     $user->user_type=$request->get('user_type');
70
71     $user->save();
72     return redirect()->route('user.profile.get');
73 }
74 public function adminDashboard(){
75     $data['totalUsers'] = 0;
76     $data['adminUsers'] = 0;
77     $data['clientUsers'] = 0;
78     $data['totalBookings'] = 0;
79     $data['completedBookings'] = 0;
80     $data['totalWebpages'] = 0;
81     $data['activeWebpages'] = 0;
82     $data['totalUsers'] = User::count();
83     $data['adminUsers'] = User::where('user_type',1)->count();
84     $data['clientUsers'] = User::where('user_type',2)->count();
85     $data['totalBookings'] = Bookings::count();
86     $data['completedBookings'] = Bookings::where('status',3)->count();
87     $data['totalWebpages'] = WebPage::count();
88     $data['activeWebpages'] = WebPage::where('status',1)->count();
89     return view('AdminDashboard.index',['data'=>$data]);
90 }
91
92 public function userDashboard(){
93     $data['totalBookings'] = Bookings::where('user_id',Auth::user()->id)->count();
94     $data['completedBookings'] = Bookings::where('status',3)->where('user_id',Auth::user()->id)->count();
95     $data['totalWebpages'] = WebPage::count();
96     return view('UserDashboard.index',['data'=>$data]);
}

```

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Laravel Booking Management System

```

File Edit Selection View Go Run Terminal Help < > Laravel Booking Management System
EXPLORER ... BookingController.php AuthController.php InstallAdmin.php WebPageController.php EncryptCookies.php favicon.ico index.blade.php
bookings > app > Http > Controllers > BookingController.php
9 class BookingController extends Controller
10 {
11     //
12     public function index(){
13         $query = Bookings::select('bookings.*', 'users.name as user_name');
14         $query->leftJoin('users', 'bookings.user_id', '=', 'users.id');
15         $query->where('booking.user_id',Auth::user()->id);
16         $data = $query->get();
17         return view('UserDashboard.Bookings.index',['data'=>$data]);
18     }
19
20     public function userBookings(){
21         $query = Bookings::select('bookings.*', 'users.name as user_name');
22         $query->leftJoin('users', 'bookings.user_id', '=', 'users.id');
23         $data = $query->get();
24         return view('AdminDashboard.Bookings.index',['data'=>$data]);
25     }
26
27     public function add(){
28         $data = User::get();
29         return view('AdminDashboard.Bookings.addEdit',['data'=>$data]);
30     }
31     public function save(Request $request){
32         $user = new Bookings([
33             'name'=>$request->get('booking_name'),
34             'booking_datetime'=>$request->get('booking_on'),
35             'status'=>$request->get('booking_status'),
36             'user_id'=>Auth::user()->user_type == 1? $request->get('user_name'):Auth::user->id
37         ]);
38         $user->save();
39         if(Auth::user()->user_type == 1){
40             $route = 'booking.all';
41         }else{
42             $route = 'booking.my';
43         }
44         return redirect()->route($route);
}

```

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Laravel Booking Management System

```

File Edit Selection View Go Run Terminal Help < > Laravel Booking Management System
EXPLORER ... BookingController.php X AuthController.php InstallAdmin.php WebPageController.php EncryptCookies.php favicon.ico index.blade.php D ...
bookings > app > Http > Controllers > BookingController.php
43 |
44 }
45 public function getBookingsById($id){
46     $data = User::get();
47     $booking = Bookings::find($id);
48     return view('AdminDashboard.Bookings.addEdit', ['data' => $data, 'booking' => $booking]);
49 }
50
51 public function updateBookingsById(Request $request, $id){
52     $booking = Bookings::find($id);
53     $booking->name = $request->get('booking_name');
54     $booking->booking_datetime = $request->get('booking_on');
55     $booking->status = $request->get('booking_status');
56     $booking->user_id = Auth::user()->user_type == 1 ? $request->get('user_name') : Auth::user()->id;
57     $data->save();
58     if(Auth::user()->user_type == 1){
59         $route = 'booking.all';
60     }else{
61         $route = 'booking.my';
62     }
63     return redirect()->route($route);
64 }
65
66 public function viewDelete($id){
67     if(Auth::user()->user_type == 1){
68         $view = 'AdminDashboard.Bookings.delete';
69     }else{
70         $view = 'userDashboard.Bookings.delete';
71     }
72     return view($view);
73 }
74
75 public function delete($id){
76     $status = Bookings::where('id', $id)->delete();
77     if(Auth::user()->user_type == 1){
78         $route = 'bookings.all';
79     }else{
80         $route = 'booking.my';
81     }
82     return redirect()->route($route);
}

```

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Laravel Booking Management System

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File Edit Selection View Go Run Terminal Help < > Laravel Booking Management System
EXPLORER ... BookingController.php AuthController.php InstallAdmin.php WebPageController.php X EncryptCookies.php favicon.ico index.blade.php D ...
bookings > app > Http > Controllers > WebPageController.php
9 class WebPageController extends Controller
10 {
11     //
12     public function index(){
13         $data = WebPage::where('status', 1)->get();
14         return view('AdminDashboard.WebPage.index', ['data' => $data]);
15     }
16     public function add(){
17         return view('AdminDashboard.WebPage.addEdit', ['data' => $data]);
18     }
19     public function save(Request $request){
20         $page = new WebPage([
21             'name' => $request->get('page_name'),
22             'slug' => $request->get('page_slug'),
23             'html' => $request->get('page_content'),
24             'status' => $request->get('page_status'),
25             'created_by' => Auth::user()->user_type,
26         ]);
27         $page->save();
28         return redirect()->route('webpage.index');
29     }
30     public function edit($id){
31         $data = WebPage::find($id);
32         return view('AdminDashboard.WebPage.addEdit', ['data' => $data]);
33     }
34     public function update(Request $request, $id){
35         $page = WebPage::find();
36         $page->name = $request->get('page_name');
37         $page->slug = $request->get('page_slug');
38         $page->html = $request->get('page_content');
39         $page->status = $request->get('page_status');
40         $page->updated_by = Auth::user()->id;
41         $page->save();
42         return redirect()->route('webpage.index');
43     }
}

```

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Laravel Booking Management System

```

File Edit Selection View Go Run Terminal Help < > Laravell Booking Management System
EXPLORER ... BookingController.php AuthController.php InstallAdmin.php WebPageController.php EncryptCookies.php favicon.ico index.blade.php
LARAVELL BOOKING MANAGEMENT SYSTEM
bookings > app > Http > Controllers > WebPageController.php
28     return redirect()->route('webpage.index');
29 }
30 }
31 public function edit($id){
32     $data = WebPage::find($id);
33     return view('AdminDashboard.webPage.addEdit',['data'=>$data]);
34 }
35 public function update(Request $request,$id){
36     $page = WebPage::find();
37     $page->name = $request->get('page_name');
38     $page->slug = $request->get('page_slug');
39     $page->html = $request->get('page_content');
40     $page->status = $request->get('page_status');
41     $page->updated_by = Auth::user()->id;
42     $page->save();
43     return redirect()->route('webpage.index');
44 }
45 public function viewDelete($id){
46     return view('AdminDashboard.webPage.delete');
47 }
48 public function delete($id){
49     WebPage::where('id',$id)->delete();
50     return redirect()->route('webpage.index');
51 }
52 public function landing(){
53     return view('index');
54 }
55 public function viewPage($page){
56     $data = WebPage::where('slug',$page)->first();
57     return view('dynamic',['data'=>$data]);
58 }
59 }
60 }
61 }
62 }
63 }
64 }
65

```

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Views

Laravel Booking Management System

```

File Edit Selection View Go Run Terminal Help < > Laravell Booking Management System
EXPLORER ... ade.php ...WebPage index.blade.php ...WebPage delete.blade.php ...UserDashboard\... index.blade.php ...UserDashboard\Bookings adminBaseView.blade.php
LARAVELL BOOKING MANAGEMENT SYSTEM
bookings > resources > views > AdminDashboard > Layout > adminBaseView.blade.php
2 @section('style')
3
4 <style>
5 .bf{
6     vertical-align:-125em;
7     fill: currentColor;
8 }
9 .nav-scroller{
10     position:relative;
11     z-index:2;
12     height :2.75rem;
13     overflow-y:hidden;
14 }
15 .nav-scroller .nav{
16     display:flex;
17     flex-wrap:nowrap;
18     padding-bottom:1rem;
19     margin-top:-1px;
20     overflow-x:auto;
21     text-align:center;
22     white-space:nowrap;
23     -webkit-overflow-scrolling:touch;
24 }
25 body{
26     font-size:.875rem;
27 }
28
29 .feather{
30     width:16px;
31     height:16px;
32 }
33 .sidebar{
34     position:fixed;
35     top:0;
36     bottom:0;
37     left:0;
38     z-index:100;

```

Ln 10, Col 23 Spaces: 4 UTF-8 CRLF PHP Go Live

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Laravel Booking Management System

```

File Edit Selection View Go Run Terminal Help ← → ⌂ Larawell Booking Management System
EXPLORER ade.php ...WebPage index.blade.php ...WebPage delete.blade.php ...UserDashboard... index.blade.php ...UserDashboard\Bookings adminBaseView.blade.php x D ...
LARAVELL BOOKING MANAGEMENT SYSTEM
assets\images logo.jpg
htaccess
favicon.ico
index.php
robots.txt
resources css js views AdminDashboard Bookings addEdit.blade.php delete.blade.php index.blade.php Layout adminBaseView.blade.php Profile Users WebPage index.blade.php Auth login.blade.php register.blade.php Layout baseview.blade.php css.blade.php js.blade.php navigation.blade.php UserDashboard domain.blade.php
Outline Timeline
128 @endsection
129 @section('content')
130 <header class="navbar navbar-dark sticky-top bg-dark flex-md-nowrap p-0 shadow">
131   <a class="navbar-brand col-md-3 col-lg-2 me-0 px-3 fs-6" href="#">Company Name</a>
132   <button class="navbar-toggler position-absolute d-md-none collapsed" type="button" data-bs-toggler="collapse" data-bs-target="#sidebar">
133     | <span class="navbar-toggler-icon"></span>
134   </button>
135   <div class="navbar-nav">
136     <div class="nav-item text-nowrap">
137       <a class="nav-link px-3" href="{{ route('logout') }}>sign out</a>
138     </div>
139   </div>
140 </header>
141 <div class="container-fluid">
142   <div class="row">
143     <nav id="sidebarMenu" class="col-md-3 col-lg-2 d-md-block bg-light sidebar collapse">
144       <div class="position-sticky pt-3 sidebar-sticky">
145         <ul class="nav flex-column">
146           <li class="nav-item">
147             <a class="nav-link {{ Request::segment(1) == 'dashboard' ? 'active' : '' }}" aria-current="page" href="{{ route('dashboard') }}> Dashboard 
148           </li>
149           <li class="nav-item">
150             <a class="nav-link {{ Request::segment(1) == 'booking' ? 'active' : '' }}" href="{{ route('booking.all') }}> Bookings 
151           </li>
152           <li class="nav-item">
153             <a class="nav-link {{ Request::segment(1) == 'webpage' ? 'active' : '' }}" href="{{ route('webpage.index') }}> Webpage 
154           </li>
155           <li class="nav-item">
156             <a class="nav-link {{ Request::segment(1) == 'user' ? 'active' : '' }}" href="{{ route('user') }}> Users 
157           </li>
158           <li class="nav-item">
159             <a class="nav-link {{ Request::segment(1) == 'profile' ? 'active' : '' }}" href="{{ route('user.profile.get') }}> Profile 
160           </li>
161         </ul>
162       <h6 class="sidebar-heading d-flex justify-content-between align-items-center px-3 mt-4 mb-1 text-muted text-uppercase">
163         <span>Settings</span>
164       </h6>
165       <ul class="nav flex-column mb-2">
166         <li class="nav-item">
167           <a class="nav-link {{ Request::segment(1) == 'profile' ? 'active' : '' }}" href="{{ route('user.profile.get') }}> Profile 
168         </li>
169       </ul>
170     <div class="d-flex justify-content-between flex-wrap flex-md-nowrap align-items-center pt-3 pb-2 mb-3 border-bottom">
171       <h1 class="h2">{{ucfirst(Request::segment(1))}}</h1>
172     </div>
173   </div>
174 </div>
175 <main class="col-md-9 ms-sm-auto col-lg-10 px-md-4"><div class="chartjs-size-monitor-expand"></div>
176 <div class="chartjs-size-monitor-shrink"></div>
177 </main>
178 </div>
179 </div>
180 </div>
181 </div>
182 </div>
183 </div>
184 </div>
185 </div>
186 </div>
187 </div>
188 </div>
189 </div>
190 </div>
191 </div>
192 </div>

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Laravel Booking Management System

```

File Edit Selection View Go Run Terminal Help ← → ⌂ Larawell Booking Management System
EXPLORER ade.php ...WebPage index.blade.php ...WebPage delete.blade.php ...UserDashboard... index.blade.php ...UserDashboard\Bookings adminBaseView.blade.php x D ...
LARAVELL BOOKING MANAGEMENT SYSTEM
assets\images logo.jpg
htaccess
favicon.ico
index.php
robots.txt
resources css js views AdminDashboard Bookings addEdit.blade.php delete.blade.php index.blade.php Layout adminBaseView.blade.php Profile Users WebPage index.blade.php Auth login.blade.php register.blade.php Layout baseview.blade.php css.blade.php js.blade.php navigation.blade.php UserDashboard domain.blade.php
Outline Timeline
156 <div class="position-sticky pt-3 sidebar-sticky">
157   <ul class="nav flex-column">
158     <li class="nav-item">
159       <a class="nav-link {{ Request::segment(1) == 'webpage' ? 'active' : '' }}" href="{{ route('webpage.index') }}> Webpage 
160     </li>
161     <li class="nav-item">
162       <a class="nav-link {{ Request::segment(1) == 'user' ? 'active' : '' }}" href="{{ route('user') }}> Users 
163     </li>
164     <li class="nav-item">
165       <a class="nav-link {{ Request::segment(1) == 'profile' ? 'active' : '' }}" href="{{ route('user.profile.get') }}> Profile 
166     </li>
167   </ul>
168   <h6 class="sidebar-heading d-flex justify-content-between align-items-center px-3 mt-4 mb-1 text-muted text-uppercase">
169     <span>Settings</span>
170   </h6>
171   <ul class="nav flex-column mb-2">
172     <li class="nav-item">
173       <a class="nav-link {{ Request::segment(1) == 'profile' ? 'active' : '' }}" href="{{ route('user.profile.get') }}> Profile 
174     </li>
175   </ul>
176   <div class="d-flex justify-content-between flex-wrap flex-md-nowrap align-items-center pt-3 pb-2 mb-3 border-bottom">
177     <h1 class="h2">{{ucfirst(Request::segment(1))}}</h1>
178   </div>
179   <div>
180     <div class="chartjs-size-monitor-expand"></div>
181     <div class="chartjs-size-monitor-shrink"></div>
182   </div>
183 </div>
184 </div>
185 </div>
186 </div>
187 </div>
188 </div>
189 </div>
190 </div>
191 </div>
192 </div>

```

Ln 10 Col 23 Spaces: 4 UTF-8 CRLF PHP Go Live 11:52 34°C Mostly cloudy 14-09-2023

Laravel Booking Management System

```

File Edit Selection View Go Run Terminal Help < > Laravel Booking Management System
EXPLORER .\Rar$DIA8912.23398 index.blade.php ...\\AdminDashboard userBaseView.blade.php index.blade.php ...\\AdminDashboard\\Bookings addEdit.blade.php ...\\Bookings ...
LARAVEL BOOKING MA... migrations seeders .gitignore
public assets\\images logo.jpg htaccess favicon.ico index.php robots.txt
resources css js views AdminDashboard Bookings
    addEdit.blade.php delete.blade.php index.blade.php
    Layout Profile Users WebPage index.blade.php
Auth login.blade.php register.blade.php
    Layout baseview.blade.php css.blade.php
OUTLINE TIMELINE
Type here to search 30 32°C Mostly cloudy 11:38 14-09-2023

```

```

1 @extends('AdminDashboard.layout.adminBaseView')
2 @section('dashContent')
3 <form action="{{Request::segment(2) == 'add'? route('booking.save'):route('booking.update',['id'=>Request::segment(2)])}}" method="POST"
4 @csrf
5     <div class="container">
6         @if(Auth::user()->user_type == 1)
7             <div class="mb-3 w-50">
8                 <label for="user_name" class="form-label">User Name</label>
9                 <select class="form-select" name="user_name" aria-label="Default select example">
10                     <option selected>Select User</option>
11                     @foreach($data as $user)
12                         <option value="{{($user->id)}}">{{($user->user_id)&& $booking->user_id == $user->id ? 'selected':''}}>{{($user->name)}}
13                     @endforeach
14                 </select>
15             </div>
16         @else
17             <input type='hidden' name='user_name' value="{{isset($booking->user_id) ? $booking->user_id:Auth::user()->id}}">
18         @endif
19     <div class="mb-3 w-50">
20         <label for="booking_name" class="form-label">Booking Name</label>
21         <input type="text" class="form-control" id="booking_name" name="booking_name" placeholder="Booking Name" value="{{isset($booking->bo
22     </div>
23     <div class="mb-3 w-50">
24         <label for="booking_on" class="form-label">Booking On</label>
25         <input type="date" class="form-control" id="booking_on" name="booking_on" placeholder="Booking Date" value="{{isset($booking->booking
26     </div>
27     <div class="mb-3 w-50">
28         <label for="booking_status" class="form-label">Booking Status</label>
29         <select class="form-select" name="booking_status" aria-label="Default select example">
30             <option selected>Select Status</option>
31             <option value="1" {{isset($booking->status )&& $booking->status == 1? 'selected': ''}}>Booked</option>
32             <option value="2" {{isset($booking->status )&& $booking->status == 2? 'selected': ''}}>Booking cancelled</option>
33             <option value="3" {{isset($booking->status )&& $booking->status == 3? 'selected': ''}}>Booking Fulfilled</option>
34         </select>
35     </div>

```

In 28, Col 7 Spaces: 4 UTF-8 CRLF PHP Go Live

Laravel Booking Management System

```

File Edit Selection View Go Run Terminal Help < > Laravel Booking Management System
EXPLORER addEdit.blade.php ...\\Users delete.blade.php ...\\Users index.blade.php ...\\WebPage addEdit.blade.php ...\\AdminDashboard\\Bookings delete.blade.php ...\\AdminDashboard\\Bookings ...
LARAVEL BOOKING MA... migrations seeders .gitignore
public assets\\images logo.jpg htaccess favicon.ico index.php robots.txt
resources css js views AdminDashboard Bookings
    addEdit.blade.php delete.blade.php index.blade.php
    Layout Profile Users WebPage index.blade.php
Auth login.blade.php register.blade.php
    Layout baseview.blade.php css.blade.php
OUTLINE TIMELINE
Type here to search 30 32°C Mostly cloudy 11:39 14-09-2023

```

```

1 @extends('AdminDashboard.layout.adminBaseView')
2 @section('dashContent')
3 <form action="{{route('booking.delete',['id'=>Request::segment(3)])}}" method="post">
4     @csrf
5         <div class="mb-3 w-50">
6             <h6 for="usertype" class="form-label">Are you sure you want to delete this booking?</h6>
7         </div>
8         <div class="mb-3 w-50">
9             <button type="submit" class="btn btn-danger">Delete</button>
10        </div>
11    </form>
12 @endsection

```

In 12, Col 12 Spaces: 4 UTF-8 CRLF PHP Go Live

Laravel Booking Management System

```

File Edit Selection View Go Run Terminal Help < > Laravel Booking Management System
EXPLORER index.blade.php ...\\AdminDashboard\\Bookings | addEdit.blade.php ...\\Bookings | addEdit.blade.php ...\\Users | delete.blade.php ...\\Users | index.blade.php ...\\Users | D ... X
bookings > resources > views > AdminDashboard > Bookings > index.blade.php
1 @extends('AdminDashboard.Layout.adminBaseView')
2 @section('dashContent')
3 <div class="container">
4   <a href="{{route('booking.add')}}" class="btn btn-primary mb-2 float-end">Create New Bookings</a>
5   <table class="table table-light table-striped table-hover">
6     <thead>
7       <tr>
8         <th scope="col">#</th>
9         <th scope="col">User Name</th>
10        <th scope="col">Booking Name</th>
11        <th scope="col">Booked For</th>
12        <th scope="col">Action</th>
13      </tr>
14    </thead>
15    </tbody>
16    @php $i=1; @endphp
17    @foreach($data as $booking)
18      <tr>
19        <th scope="row">{{ $i }}</th>
20        <td>{{ $booking->user_name }}</td>
21        <td>{{ $booking->name }}</td>
22        <td>{{ $booking->booking_datetime }}</td>
23        <td>
24          <div class="dropdown">
25            <span class="bi bi-list"></span>
26            <div class="dropdown-content">
27              <a href="{{route('booking.edit',['id' =>$booking->id])}}><i class="bi bi-pencil-square"></i>Edit</a>
28              <a href="{{route('booking.view.delete',['id' =>$booking->id])}}><i class="bi bi-trash"></i>Delete</a>
29            </div>
30          </div>
31        </td>
32      @php $i++; @endphp
33    @endforeach
34  </tbody>
35 </table>
36 </div>
37 @endsection

```

Ln 37, Col 12 Spaces: 4 UTF-8 CRLF PHP Go Live 11:40 32°C Mostly cloudy 14-09-2023

Laravel Booking Management System

```

File Edit Selection View Go Run Terminal Help < > Laravel Booking Management System
EXPLORER login.blade.php register.blade.php baseview.blade.php X css.blade.php js.blade.php _index.blade.php index.blade.php C:\\index.blade.php D ... X
bookings > resources > views > Layout > baseview.blade.php
1 <!DOCTYPE html>
2 <html lang="{{str_replace('_', '-', app()->getLocale())}}">
3   <head>
4     <meta charset="utf-8">
5     <meta name="viewport" content="width=device-width,initial-scale=1">
6     <meta name="theme-color" content="#712cf9">
7     <title>Booking Management System | @yield('title')</title>
8     @include('layout.css')
9     @yield('style')
10  </head>
11  <body>
12    @yield('content')
13    @include('layout.js')
14    @yield('customjs')
15  </body>
16  </html>

```

Ln 13, Col 26 Spaces: 4 UTF-8 CRLF PHP Go Live 11:46 32°C Mostly cloudy 14-09-2023

Laravel Booking Management System

```
api.php          css.blade.php    js.blade.php    index.blade.php  index.blade.php C:\...\index.blade.php navigation.blade.php dynamic.blade.php
```

bookings > resources > views > dynamic.blade.php

```
<?><style>
23 </style>
24 <!--Section-->
25 @endsection
26 @section('content')
27 <body>
28   <header>
29     <nav class="navbar navbar-expand-lg navbar-light bg-white">
30       <div class="container-fluid">
31         <button type="button" class="navbar-toggler" data-bs-toggle="collapse" data-bs-target="#navbar1">
32           | <i class="bi bi-list"></i>
33         </button>
34         <div class="collapse navbar-collapse" id="navbar1">
35           <div class="navbar-nav mx-auto text-black">
36             <a href="#" class="nav-item nav-link active">Home</a>
37             <a href="{{url('page/team')}}" class="nav-item nav-link text-black">Team</a>
38             <a href="#" class="nav-item nav-link d-none d-md-block">
39               | 
40             </a>
41             <a href="{{url('page/about-us')}}" class="nav-link text-black">About Us</a>
42             <a href="{{url('page/contact-us')}}" class="nav-item nav-link text-black">Contact Us</a>
43           </div>
44         </div>
45       </div>
46     </nav>
47   </header>
48   <main class="m-5">
49     | (!isset($data->html)?$data->html : 'Page not found'!!)
50   </main>
51   <footer class="bg-dark">
52     <div class="container">
53       <div class="row">
54         <div class="col-md-6">
55           <div class="container m-5">
56             
57           </div>
58           <p class="text-white">Lorem ipsum dolor sit amet consectetur adipisicing elit. Obcaecati nulla maxime, at cul
59         </div>
60       </div>
61     </div>
62   </footer>
```

Laravel Booking Management System

```
api.php css.blade.php js.blade.php index.blade.php index.blade.php C:\...\index.blade.php navigation.blade.php dynamic.blade.php
```

explorer

LARAVEL BOOKING MA...

- > WebPage
- index.blade.php
- Auth
 - > login.blade.php
 - > register.blade.php
- Layout
 - > baseview.blade.php
 - css.blade.php
 - js.blade.php
 - > navigation.blade.php
- UserDashboard
 - dynamic.blade.php
 - index.blade.php
 - welcome.blade.php
- routes
 - api.php
 - channels.php
 - console.php
 - web.php
- storage
- tests
- vendor
 - .editorconfig
 - .env
 - .env.example
 - .gitattributes
 - .gitignore
 - artisan
 - composer.json
 - composer.lock

> OUTLINE

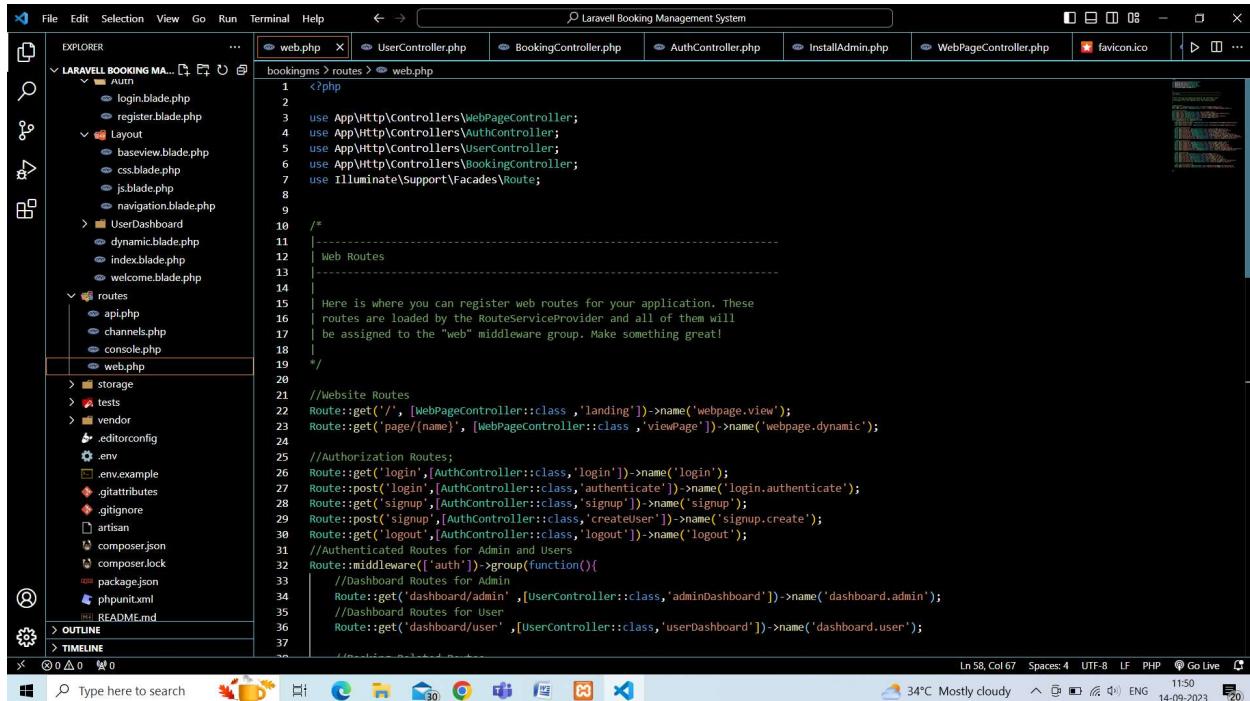
> TIMELINE

```
bookingms > resources > views > dynamic.blade.php

51 <main class="m-5">
52 | {!! isset($data->html) ? $data->html : 'Page not found' !!}
53 </main>
54 <footer class="bg-dark">
55   <div class="container">
56     <div class="row">
57       <div class="col-md-6">
58         <div class="container m-5">
59           
60           <div>
61             <p class="text-white">Lorem ipsum dolor sit amet consectetur adipisicing elit. Obcaecati nulla maxime, at culpa, quod, nisi!</p>
62           </div>
63         </div>
64       </div>
65       <div class="col-md-6">
66         <div class="container m-5">
67           <p class="text-white fs-5">Quick Links</p>
68           <ul class="list-group list-group-flush">
69             <li><a href="#" class="remove-text-decoration text-white">About Us</a></li>
70             <li><a href="#" class="remove-text-decoration text-white">Contact Us</a></li>
71           </ul>
72         </div>
73       </div>
74     </div>
75   </div>
76   <div class="row">
77     <div class="text-white text-center">
78       <p>All rights reserved &copy; 2022, <a href="1stop.ai">1stop.ai</a></p>
79     </div>
80   </div>
81 </footer>
82 @endsection
83 @section('customjs')
84 <script>
85 </script>
86 @endsection
```

Ln 86, Col 12 Spaces:4 UTF-8 CRLF PHP 11:57
34°C Mostly cloudy ENG 14-09-2023

Routing



```
<?php
use App\Http\Controllers\WebPageController;
use App\Http\Controllers\AuthController;
use App\Http\Controllers\UserController;
use App\Http\Controllers\BookingController;
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 and all of them will
| be assigned to the "web" middleware group. Make something great!
|
| @since 2023-09-14
*/

//Website Routes
Route::get('/', [WebPageController::class, 'landing'])->name('webpage.view');
Route::get('page/{name}', [WebPageController::class, 'viewPage'])->name('webpage.dynamic');

//Authorization Routes;
Route::get('login', [AuthController::class, 'login'])->name('login');
Route::post('login', [AuthController::class, 'authenticate'])->name('login.authenticate');
Route::get('signup', [AuthController::class, 'signup'])->name('signup');
Route::post('signup', [AuthController::class, 'createUser'])->name('signup.create');
Route::get('logout', [AuthController::class, 'logout'])->name('logout');

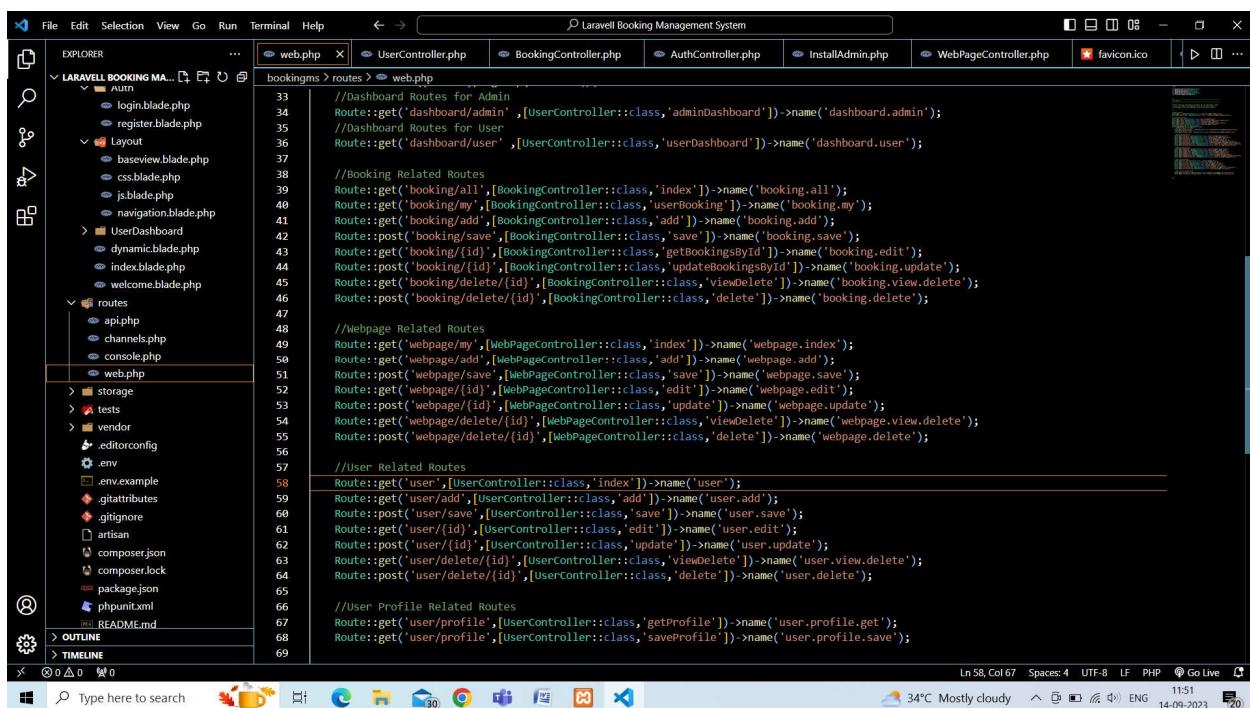
//Authenticated Routes for Admin and Users
Route::middleware('auth')->group(function(){
    //Dashboard Routes for Admin
    Route::get('dashboard/admin', [UserController::class, 'adminDashboard'])->name('dashboard.admin');
    //Dashboard Routes for User
    Route::get('dashboard/user', [UserController::class, 'userDashboard'])->name('dashboard.user');
});

//Booking Related Routes
Route::get('booking/all', [BookingController::class, 'index'])->name('booking.all');
Route::get('booking/my', [BookingController::class, 'userBooking'])->name('booking.my');
Route::get('booking/add', [BookingController::class, 'add'])->name('booking.add');
Route::post('booking/save', [BookingController::class, 'save'])->name('booking.save');
Route::get('booking/{id}', [BookingController::class, 'getBookingById'])->name('booking.edit');
Route::post('booking/{id}', [BookingController::class, 'updateBookingById'])->name('booking.update');
Route::get('booking/delete/{id}', [BookingController::class, 'viewDelete'])->name('booking.view.delete');
Route::post('booking/delete/{id}', [BookingController::class, 'delete'])->name('booking.delete');

//Webpage Related Routes
Route::get('webpage/my', [WebPageController::class, 'index'])->name('webpage.index');
Route::get('webpage/add', [WebPageController::class, 'add'])->name('webpage.add');
Route::post('webpage/save', [WebPageController::class, 'save'])->name('webpage.save');
Route::get('webpage/{id}', [WebPageController::class, 'edit'])->name('webpage.edit');
Route::post('webpage/{id}', [WebPageController::class, 'update'])->name('webpage.update');
Route::get('webpage/delete/{id}', [WebPageController::class, 'viewDelete'])->name('webpage.view.delete');
Route::post('webpage/delete/{id}', [WebPageController::class, 'delete'])->name('webpage.delete');

//User Related Routes
Route::get('user', [UserController::class, 'index'])->name('user');
Route::get('user/add', [UserController::class, 'add'])->name('user.add');
Route::post('user/save', [UserController::class, 'save'])->name('user.save');
Route::get('user/{id}', [UserController::class, 'edit'])->name('user.edit');
Route::post('user/{id}', [UserController::class, 'update'])->name('user.update');
Route::get('user/delete/{id}', [UserController::class, 'viewDelete'])->name('user.view.delete');
Route::post('user/delete/{id}', [UserController::class, 'delete'])->name('user.delete');

//User Profile Related Routes
Route::get('user/profile', [UserController::class, 'getProfile'])->name('user.profile.get');
Route::get('user/profile', [UserController::class, 'saveProfile'])->name('user.profile.save');
```



```
<?php
use App\Http\Controllers\WebPageController;
use App\Http\Controllers\AuthController;
use App\Http\Controllers\UserController;
use App\Http\Controllers\BookingController;
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 and all of them will
| be assigned to the "web" middleware group. Make something great!
|
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Route::get('page/{name}', [WebPageController::class, 'viewPage'])->name('webpage.dynamic');

//Authorization Routes;
Route::get('login', [AuthController::class, 'login'])->name('login');
Route::post('login', [AuthController::class, 'authenticate'])->name('login.authenticate');
Route::get('signup', [AuthController::class, 'signup'])->name('signup');
Route::post('signup', [AuthController::class, 'createUser'])->name('signup.create');
Route::get('logout', [AuthController::class, 'logout'])->name('logout');

//Authenticated Routes for Admin and Users
Route::middleware('auth')->group(function(){
    //Dashboard Routes for Admin
    Route::get('dashboard/admin', [UserController::class, 'adminDashboard'])->name('dashboard.admin');
    //Dashboard Routes for User
    Route::get('dashboard/user', [UserController::class, 'userDashboard'])->name('dashboard.user');
});

//Booking Related Routes
Route::get('booking/all', [BookingController::class, 'index'])->name('booking.all');
Route::get('booking/my', [BookingController::class, 'userBooking'])->name('booking.my');
Route::get('booking/add', [BookingController::class, 'add'])->name('booking.add');
Route::post('booking/save', [BookingController::class, 'save'])->name('booking.save');
Route::get('booking/{id}', [BookingController::class, 'getBookingById'])->name('booking.edit');
Route::post('booking/{id}', [BookingController::class, 'updateBookingById'])->name('booking.update');
Route::get('booking/delete/{id}', [BookingController::class, 'viewDelete'])->name('booking.view.delete');
Route::post('booking/delete/{id}', [BookingController::class, 'delete'])->name('booking.delete');

//Webpage Related Routes
Route::get('webpage/my', [WebPageController::class, 'index'])->name('webpage.index');
Route::get('webpage/add', [WebPageController::class, 'add'])->name('webpage.add');
Route::post('webpage/save', [WebPageController::class, 'save'])->name('webpage.save');
Route::get('webpage/{id}', [WebPageController::class, 'edit'])->name('webpage.edit');
Route::post('webpage/{id}', [WebPageController::class, 'update'])->name('webpage.update');
Route::get('webpage/delete/{id}', [WebPageController::class, 'viewDelete'])->name('webpage.view.delete');
Route::post('webpage/delete/{id}', [WebPageController::class, 'delete'])->name('webpage.delete');

//User Related Routes
Route::get('user', [UserController::class, 'index'])->name('user');
Route::get('user/add', [UserController::class, 'add'])->name('user.add');
Route::post('user/save', [UserController::class, 'save'])->name('user.save');
Route::get('user/{id}', [UserController::class, 'edit'])->name('user.edit');
Route::post('user/{id}', [UserController::class, 'update'])->name('user.update');
Route::get('user/delete/{id}', [UserController::class, 'viewDelete'])->name('user.view.delete');
Route::post('user/delete/{id}', [UserController::class, 'delete'])->name('user.delete');

//User Profile Related Routes
Route::get('user/profile', [UserController::class, 'getProfile'])->name('user.profile.get');
Route::get('user/profile', [UserController::class, 'saveProfile'])->name('user.profile.save');
```

Authentication

Laravel Booking Management System

```

File Edit Selection View Go Run Terminal Help < > Laravel Booking Management System
EXPLORER ... register.blade.php x baseview.blade.php api.php css.blade.php js.blade.php _index.blade.php index.blade.php C:\...\index.blade.php D... ...
LARAVELL BOOKING MANAGEMENT SYSTEM
bookings > resources > views > Auth > register.blade.php
1 @extends('layout.baseview')
2 @section('title','Login')
3 @section('style')
4 <style>
5
6 </style>
7 @endsection
8 @section('content')
9 <div class="container h-100 mt-5">
10 <div class="row h-100 justify-content-center align-items-center">
11 <div class="card" style="width:25rem">
12 <div class="mt-4 mb-2">
13 | 
14 </div>
15 <div class="mt-2 mb-2">
16 | <h5 class="card-title text-center">Signup</h5>
17 </div>
18 <div class="mb-2">
19 | <p class="card-title text-center">Kindly Provide your Information for Registration</p>
20 </div>
21 <div class="card-body">
22 <form action="{{route('signup.create')}}" method="POST">
23 @csrf
24 <div class="mb-3">
25 | <label for="name" class="form-label">Name</label>
26 | <input type="text" class="form-control" id="name" name="name" placeholder="Name">
27 </div>
28 <div class="mb-3">
29 | <label for="email" class="form-label">Email Address</label>
30 | <input type="email" class="form-control" id="email" name="email" placeholder="Email">
31 </div>
32 <div class="mb-3">
33 | <label for="phone_no" class="form-label">Phone Number</label>
34 | <input type="text" class="form-control" id="phone_no" name="phone_no" placeholder="Phone Number">
35 </div>
36 <div class="mb-3">
37 | <div class="mb-3">

```

Ln 36, Col 27 Spaces: 4 UTF-8 CRLF PHP Go Live

Type here to search

Laravel Booking Management System

```

File Edit Selection View Go Run Terminal Help < > Laravel Booking Management System
EXPLORER ... InstallAdmin.php WebPageController.php EncryptCookies.php favicon.ico index.blade.php ...views welcome.blade.php login.blade.php x
LARAVELL BOOKING MA...
EventServiceProvider.php RouteServiceProvider.php
bootstrap
cache
app.php
config
database
factories
migrations
seeders
ignore
public
assets/images
logo.jpg
htaccess
favicon.ico
index.php
robots.txt
resources
css
js
views
AdminDashboard
Auth
login.blade.php
register.blade.php
Layout
baseview.blade.php
css.blade.php
js.blade.php
_index.blade.php
outline
Timeline

```

```

bookings > resources > views > Auth > login.blade.php
1 @extends('layout.baseview')
2 @section('title','Login')
3 @section('style')
4 <style>
5
6 </style>
7 @endsection
8 @section('content')
9 <div class="container h-100 mt-5">
10 <div class="row h-100 justify-content-center align-items-center">
11 <div class="card" style="width:25rem">
12 <div class="mt-4 mb-2">
13 | 
14 </div>
15 <div class="mt-2 mb-2">
16 | <h5 class="card-title text-center">Login</h5>
17 </div>
18 <div class="mb-2">
19 | <p class="card-title text-center">Kindly Provide your Login Credential</p>
20 </div>
21 <div class="card-body">
22 <form action="{{route('login.authenticate')}}" method="POST">
23 @csrf
24 <div class="mb-3">
25 | <label for="email" class="form-label">Email Address</label>
26 | <input type="email" class="form-control" id="email" name="email" placeholder="Email">
27 </div>
28 <div class="mb-3">
29 | <label for="password" class="form-label">Password</label>
30 | <input type="password" class="form-control" id="password" name="password" placeholder="Password">
31 </div>
32 <div class="mb-3">
33 | <button type="submit" class="btn btn-primary mb-3">Login</button>
34 </div>
35 <div class="mb-3">
36 | <p class="card-title">Don't have an account ?<a href="{{route('signup')}}" style="text-decoration:none">Click to
37 | </p>

```

Ln 22, Col 59 Spaces: 4 UTF-8 CRLF PHP Go Live

Type here to search

CSS and JS File

The screenshot shows a code editor interface with the title "Laravel Booking Management System". The left sidebar displays a file tree for "LARAVEL BOOKING MA...". The main pane shows several files:

- register.blade.php
- baseview.blade.php
- api.php
- css.blade.php (highlighted)
- js.blade.php
- _index.blade.php
- index.blade.php C:\...\index.blade.php

The "css.blade.php" file contains the following code:

```
1 <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.2/dist/css/bootstrap.min.css" integrity="sha384-xOOLHFLhB7PjGOK  
2 <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.css" integrity="sha512-SABnwdHOM  
3 <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.10.5/font/bootstrap-icons.css">
```

The status bar at the bottom indicates: Ln 3, Col 108 Spaces: 4 UTF-8 CRLF PHP Go Live. The system tray shows the date and time as 14-09-2023.

The screenshot shows a code editor interface with the title "Laravel Booking Management System". The left sidebar displays a file tree for "LARAVEL BOOKING MA...". The main pane shows several files:

- register.blade.php
- baseview.blade.php
- api.php
- css.blade.php
- js.blade.php (highlighted)
- _index.blade.php
- index.blade.php C:\...\index.blade.php

The "js.blade.php" file contains the following code:

```
1 <script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.7.0/jquery.min.js" integrity="sha384-3JwYpMe3QewGELv8k/BX9vcqhyRdzRMxVfj6n  
2 <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.11.8/dist/umd/popper.min.js" integrity="sha384-I7E8VD/ismYTFhMIPjVp/Jyvgo16  
3 <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.1/dist/js/bootstrap.min.js" integrity="sha384-Rx+T1VzGupg4BHQys2gCw9It+akI2M/mnd  
4 <script src="//cdn.ckeditor.com/4.22.1/standard/ckeditor.js"></script>
```

The status bar at the bottom indicates: Ln 4, Col 71 Spaces: 4 UTF-8 CRLF PHP Go Live. The system tray shows the date and time as 14-09-2023.

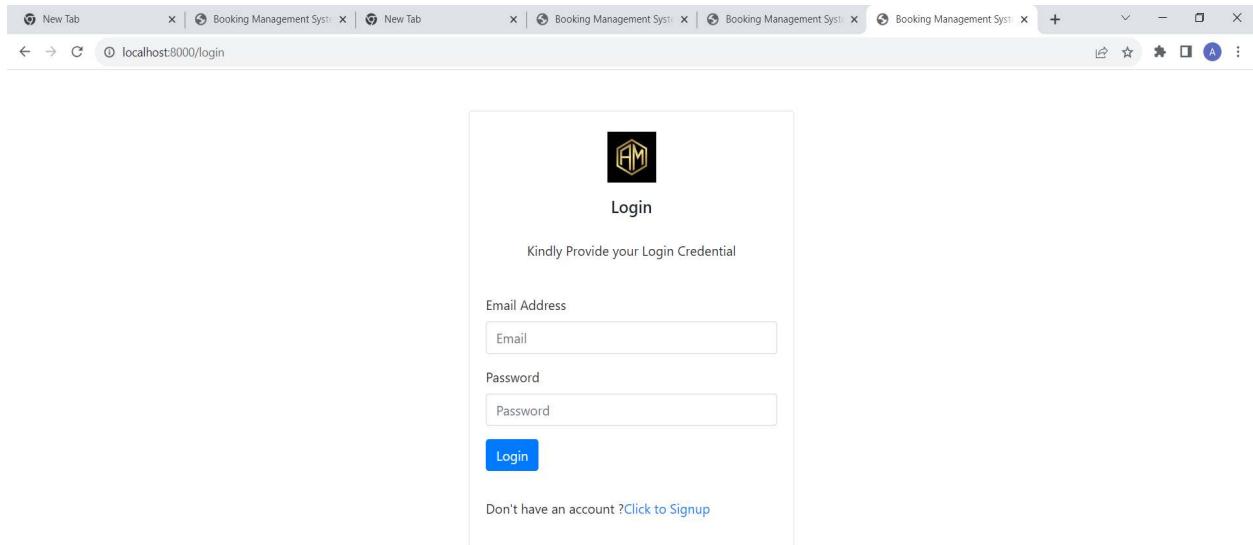
Results and Output

This screenshot displays the list of existing bookings, showing details such as customer name, signup page, login page, and status:

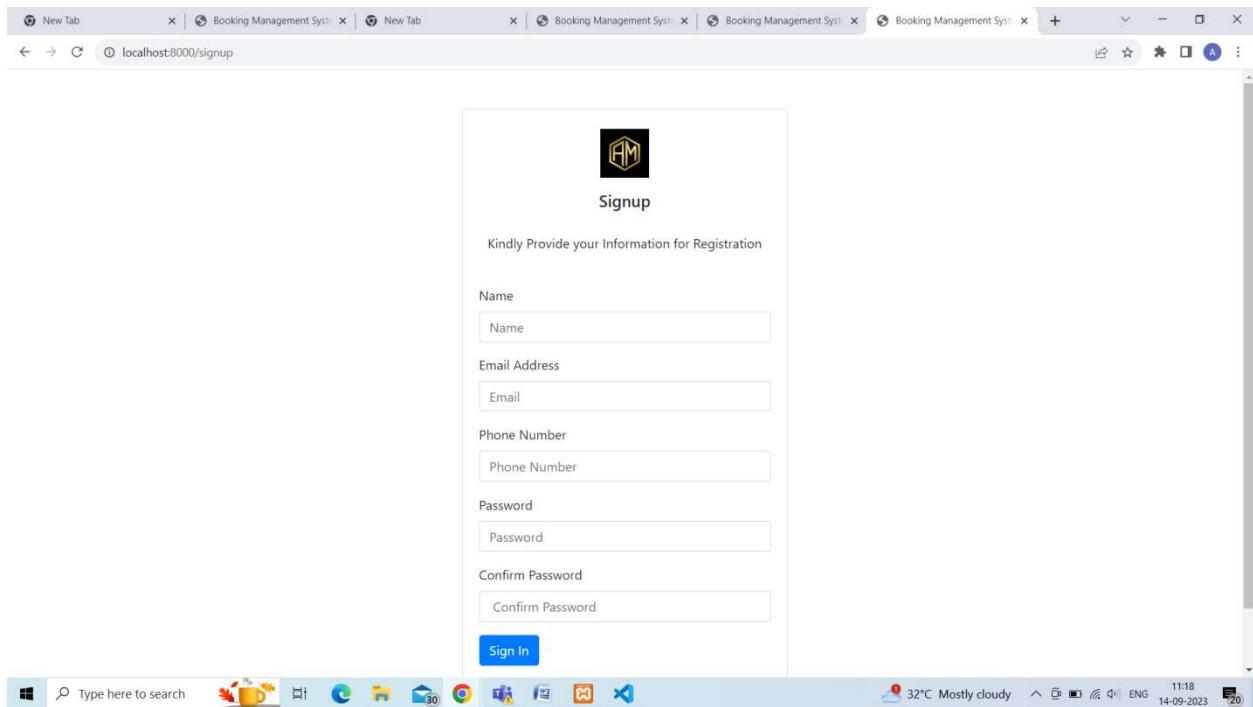
The screenshot shows a Microsoft Edge browser window with three tabs open, all titled "Booking Management System". The active tab displays the "About Us" page. The page features a header with a logo containing "H" and "M", and navigation links for Home, Team, About Us, and Contact Us. Below the header is a banner with the text "Carousel 3" and a small image labeled "About us". The main content area is titled "About Us" and contains a large block of placeholder text (Lorem ipsum) followed by a detailed paragraph describing the company's unique selling points: What Makes us Unique (Custom Tailored user Options, Privacy First Approach, Multiple Variations), Our Innovative Team (taskbar icons), and a weather widget showing 32°C Mostly cloudy.

The screenshot shows a Microsoft Edge browser window displaying the "Contact Us" page. The layout is similar to the "About Us" page, with a header, navigation links, and a central content area. The content area contains a message placeholder and a "Quick Links" sidebar with links to "About Us" and "Contact Us". At the bottom is a footer with copyright information: "All rights reserved © 2022, 1Stop.ai". The browser taskbar at the bottom shows the URL 127.0.0.1:8000/page/contact-us and various system icons.

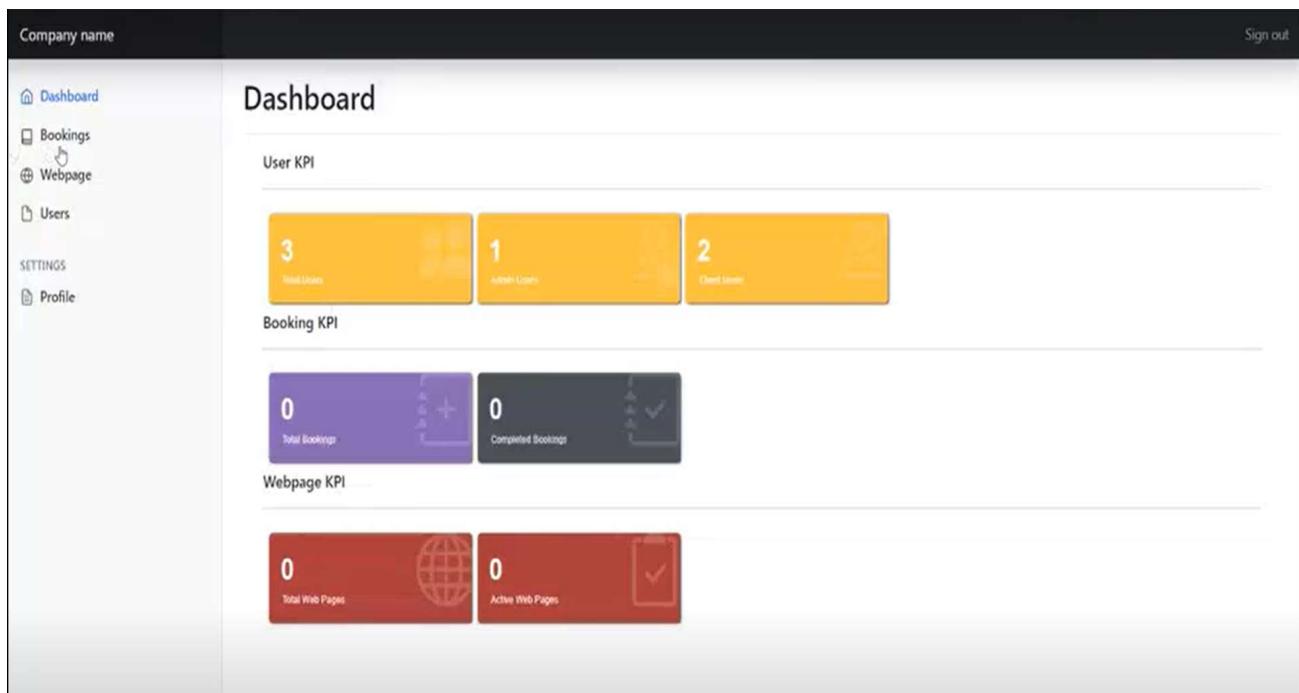




Login Page



Signup Page



Admin Dashboard

The screenshot shows a booking status checking form. The sidebar menu is identical to the dashboard: Company name, Dashboard, Bookings (selected), Webpage, Users, SETTINGS, and Profile. The main content area is titled "Booking". It contains the following fields:

- Booking Name: My Hotel Room
- Booking on: 23-03-2023
- Booking status: Booked

A blue "Save" button is located at the bottom left of the form.

Status Checking

Conclusion

The Common Booking System for Hotel/Resort provides an effective solution for managing booking requests and tracking their statuses. By leveraging Laravel's robust framework, we were able to create a reliable and user-friendly application. The system streamlines the reservation process, leading to improved customer satisfaction and operational efficiency for the hotel or resort.

Overall, this project demonstrates the power of PHP and Laravel in developing web-based applications that meet the specific needs of businesses in the hospitality industry. Further enhancements could include features like payment integration, email notifications, and reporting capabilities.