

**LAPORAN PRAKTIKUM PEMROGRAMAN WEB
PRAKTIKUM 10 : LARAVEL II**



Disusun oleh :

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PROGRAM STUDI INFORMATIKA

FAKULTAS TEKNOLOGI INFORMASI DAN SAINS DATA

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A. Tampilan

Website yang dibuat oleh praktikan adalah sebuah website yang memuat daftar data pengunjung penitipan hewan peliharaan. Pada praktikum ini, praktikan membuat dengan Laravel untuk bagian home, view table dan form yang mana pada praktikum sebelumnya telah dibuat dan ditambahkan dengan memanfaatkan factory, seeder dan eloquent. Berikut adalah tampilan yang terdapat dalam website yang telah dibuat oleh praktikan.

1) Home



Gambar diatas merupakan tampilan yang akan dilihat pengguna pertama kali. Pengguna dapat melanjutkan untuk melihat data bagian navigasi.

2) View Table

Data Penitipan Hewan Peliharaan						
No	Nama Hewan	Pemilik	Umur Hewan	Tanggal Masuk	Tanggal Keluar	Action
1	Cocoa	Aidan	2	2023-07-06	2023-07-08	<button>Edit</button> <button>Hapus</button>
2	Prof. Jordan Howell	Alvah Gottlieb	4	2009-12-29	1981-10-23	<button>Edit</button> <button>Hapus</button>
3	Lera Jones	Armand Johnson	3	2003-10-01	2022-05-10	<button>Edit</button> <button>Hapus</button>
4	Lois Kautzer Jr.	Camylle Schoen	1	2001-04-21	1993-08-18	<button>Edit</button> <button>Hapus</button>
5	Mr. Waylon Bruen	Dr. Melyna Ondricka	3	1997-10-17	2009-06-30	<button>Edit</button> <button>Hapus</button>
6	Granville Fisher	Karli Haag	5	1991-03-09	1973-01-05	<button>Edit</button> <button>Hapus</button>
7	Prof. Lonzo Crona	Kaylee Abbott	5	1971-01-06	1974-11-08	<button>Edit</button> <button>Hapus</button>
8	Mrs. Electa Connelly Sr.	Lesley Tremblay Jr.	4	2003-07-25	2005-06-15	<button>Edit</button> <button>Hapus</button>
9	Kip Paucek	Monserrat Hettinger	3	1993-03-24	2001-07-26	<button>Edit</button> <button>Hapus</button>
10	Dr. Raul Thompson Jr.	Mrs. Shanon Lesch MD	3	1998-10-24	1972-09-20	<button>Edit</button> <button>Hapus</button>

[Kembali](#)

Gambar diatas merupakan tampilan yang akan dilihat pengguna setelah menekan tombol Data pada navigasi home sebelumnya. Pada halaman tersebut pengguna dapat melihat daftar data penitipan hewan yang sedang ataupun pernah memalukan penitipan hewan.

3) Add Form

The screenshot shows a web-based form titled "Form Penitipan Hewan Peliharaan" (Animal Care Form). The form is part of a website titled "Luxurious Pet Hotel Purpu". It contains fields for entering animal information: "Nama Hewan" (Animal Name), "Pemilik" (Owner), "Umur Hewan" (Animal Age), "Tanggal Masuk" (Arrival Date), and "Tanggal Keluar" (Exit Date). Each input field has a small calendar icon to its right. Below the form are two buttons: a blue "Submit" button and a white "Kembali" (Back) button.

Luxurious Pet Hotel Purpu

Form Penitipan Hewan Peliharaan

Nama Hewan:

Pemilik:

Umur Hewan:

Tanggal Masuk:
dd/mm/yyyy

Tanggal Keluar:
dd/mm/yyyy

Gambar diatas merupakan tampilan yang akan dilihat pengguna setelah menekan tombol Tambah Data pada halaman view table. Pada halaman tersebut pengguna dapat menambah data penitipan hewan.

4) Edit Form

The screenshot shows a web-based form titled "Edit Penitipan Hewan Peliharaan". The form is part of a system named "Luxurious Pet Hotel Purpu". It contains the following fields:

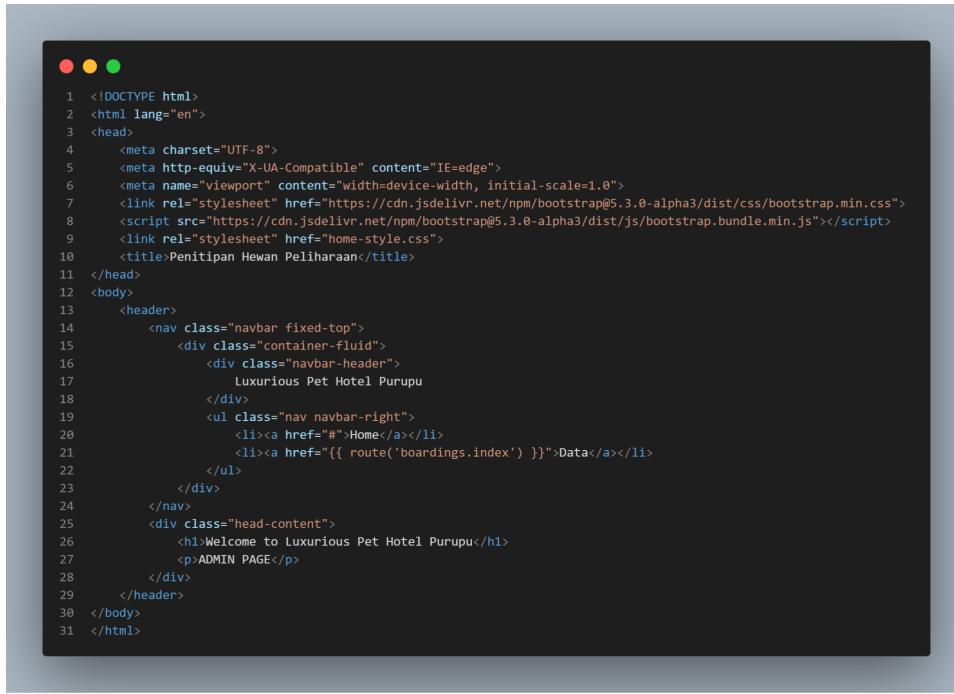
- Nama Hewan:
- Pemilik:
- Umur Hewan:
- Tanggal Masuk:
- Tanggal Keluar:

At the bottom of the form are two buttons: a blue "Update" button and a white "Kembali" button.

Gambar diatas merupakan tampilan yang akan dilihat pengguna setelah menekan tombol Edit pada daftar data penitipan hewan. Pada halaman tersebut pengguna dapat mengedit data penitipan hewan.

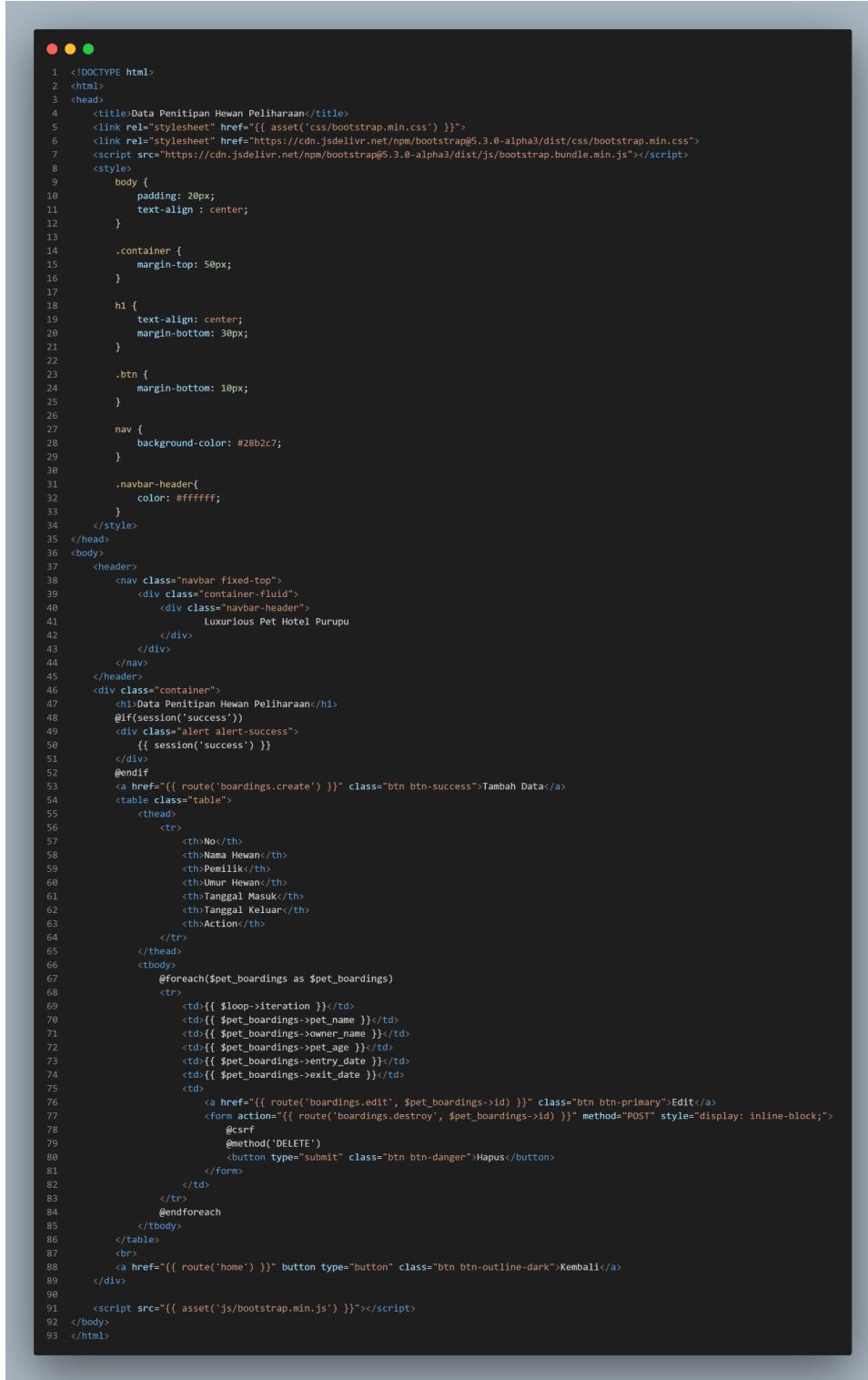
B. Source Code

1) Home



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha3/dist/css/bootstrap.min.css">
8   <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha3/dist/js/bootstrap.bundle.min.js"></script>
9   <link rel="stylesheet" href="home-style.css">
10  <title>Penitipan Hewan Peliharaan</title>
11 </head>
12 <body>
13   <header>
14     <nav class="navbar fixed-top">
15       <div class="container-fluid">
16         <div class="navbar-header">
17           Luxurious Pet Hotel Purpu
18         </div>
19         <ul class="nav navbar-right">
20           <li><a href="#">Home</a></li>
21           <li><a href="{{ route('boardings.index') }}>Data</a></li>
22         </ul>
23       </div>
24     </nav>
25     <div class="head-content">
26       <h1>Welcome to Luxurious Pet Hotel Purpu</h1>
27       <p>ADMIN PAGE</p>
28     </div>
29   </header>
30 </body>
31 </html>
```

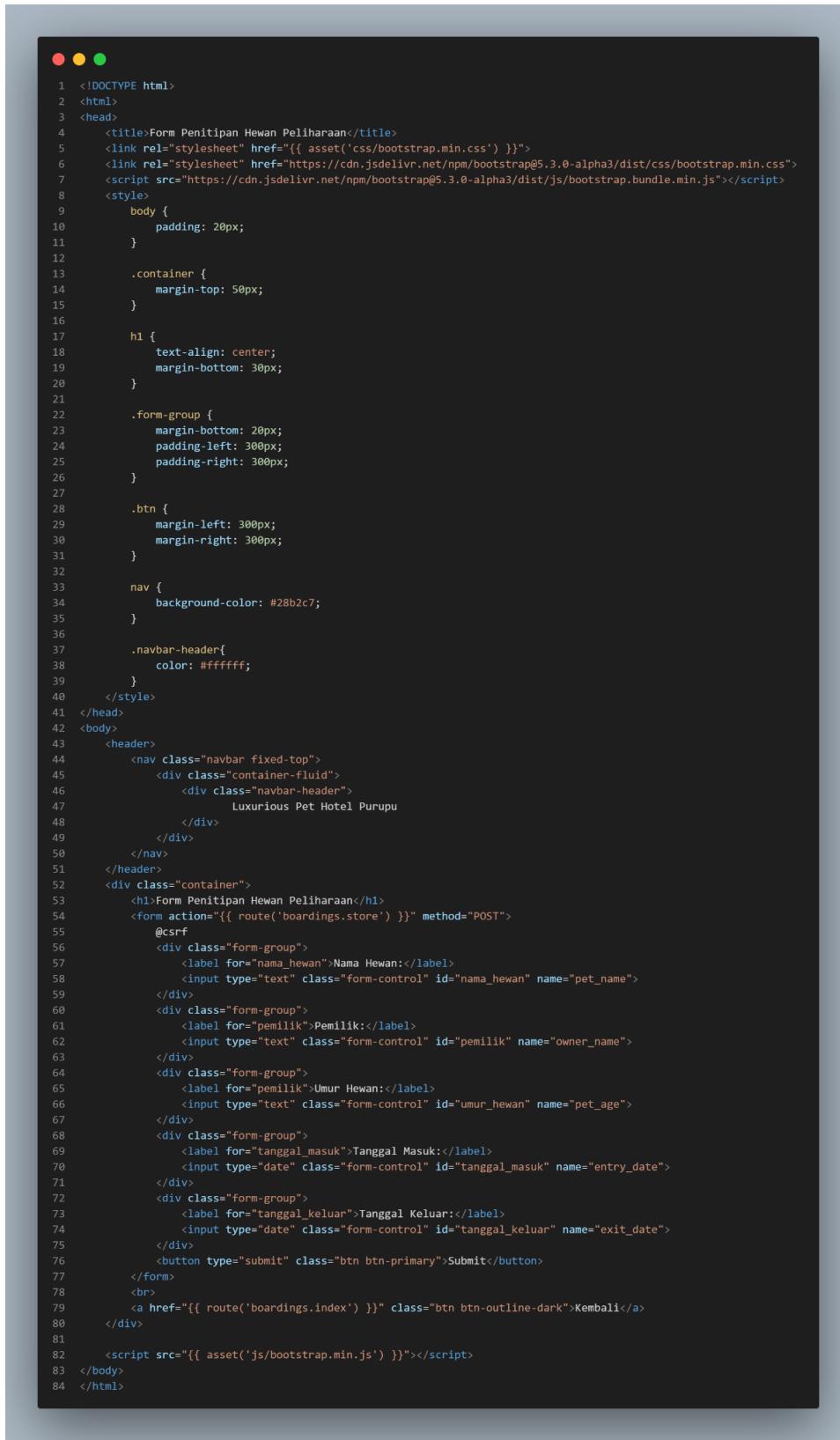
2) View Table



The screenshot shows a web browser window with a dark theme. At the top, there is a navigation bar with a logo and some text. Below the navigation bar, the main content area displays a table titled "Data Penitipan Hewan Peliharaan". The table has a header row with columns for No., Nama Hewan, Pemilik, Umur Hewan, Tanggal Masuk, Tanggal Keluar, and Action. There are 10 data rows below the header. Each data row contains a "Edit" link and a "Hapus" button, which are part of a form with a CSRF token and a DELETE method. At the bottom of the page, there is a "Kembali" button and a script tag.

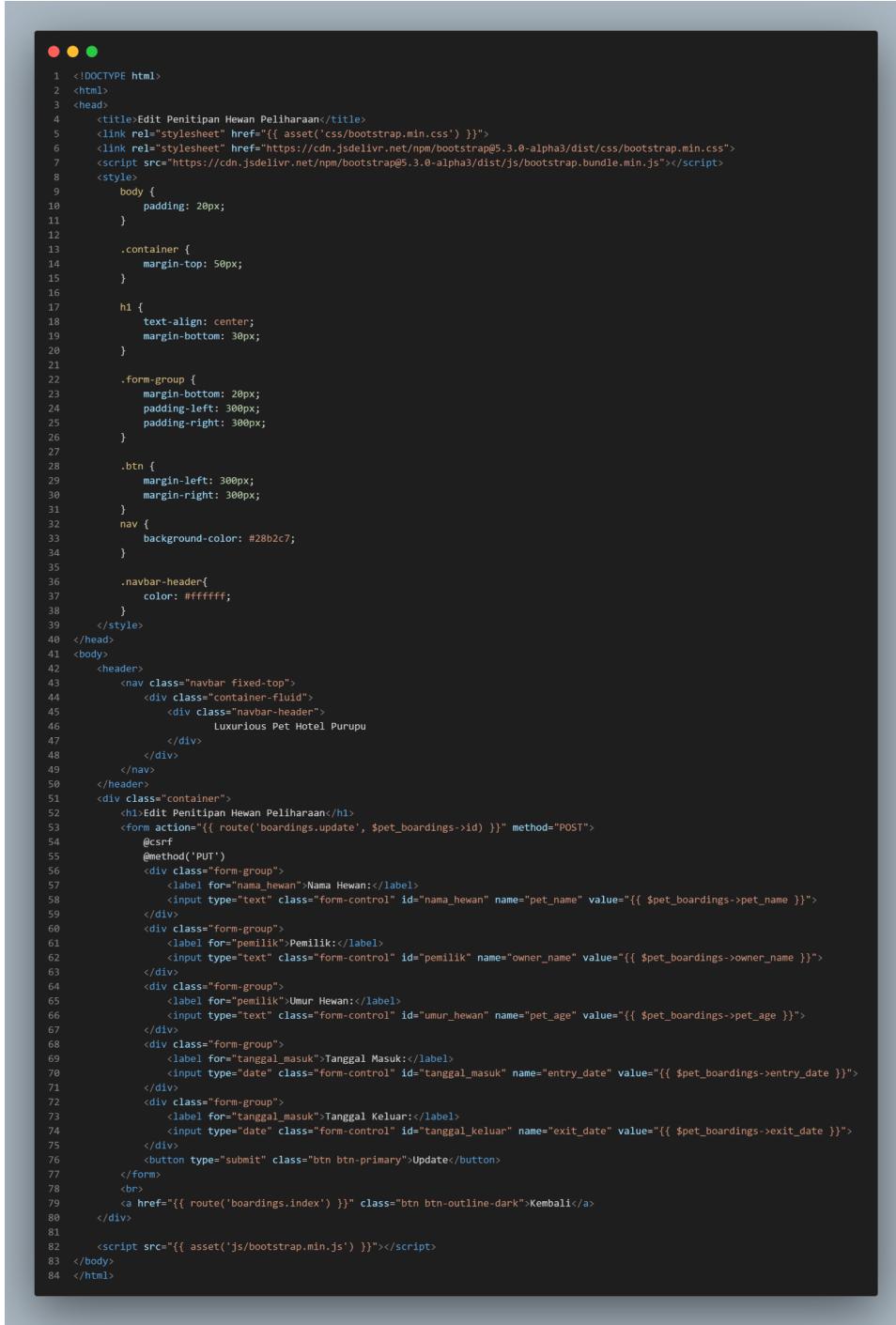
```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>Data Penitipan Hewan Peliharaan</title>
5     <link rel="stylesheet" href="{{ asset('css/bootstrap.min.css') }}">
6     <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha3/dist/css/bootstrap.min.css">
7     <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha3/dist/js/bootstrap.bundle.min.js"></script>
8     <style>
9       body {
10         padding: 20px;
11         text-align: center;
12       }
13
14       .container {
15         margin-top: 50px;
16       }
17
18       h1 {
19         text-align: center;
20         margin-bottom: 30px;
21       }
22
23       .btn {
24         margin-bottom: 10px;
25       }
26
27       nav {
28         background-color: #28b2c7;
29       }
30
31       .navbar-header{
32         color: #ffffff;
33       }
34     </style>
35   </head>
36   <body>
37     <header>
38       <nav class="navbar fixed-top">
39         <div class="container-fluid">
40           <div class="navbar-header">
41             Luxurious Pet Hotel Purpu
42           </div>
43         </div>
44       </nav>
45     </header>
46     <div class="container">
47       <h1>Data Penitipan Hewan Peliharaan</h1>
48       @if(session('success'))
49         <div class="alert alert-success">
50           {{ session('success') }}
51         </div>
52       @endif
53       <a href="{{ route('boardings.create') }}" class="btn btn-success">Tambah Data</a>
54       <table class="table">
55         <thead>
56           <tr>
57             <th>No.</th>
58             <th>Nama Hewan</th>
59             <th>Pemilik</th>
60             <th>Umur Hewan</th>
61             <th>Tanggal Masuk</th>
62             <th>Tanggal Keluar</th>
63             <th>Action</th>
64           </tr>
65         </thead>
66         <tbody>
67           @foreach($pet_boardings as $pet_boardings)
68             <tr>
69               <td>{{ $loop->iteration }}</td>
70               <td>{{ $pet_boardings->pet_name }}</td>
71               <td>{{ $pet_boardings->owner_name }}</td>
72               <td>{{ $pet_boardings->pet_age }}</td>
73               <td>{{ $pet_boardings->entry_date }}</td>
74               <td>{{ $pet_boardings->exit_date }}</td>
75               <td>
76                 <a href="{{ route('boardings.edit', $pet_boardings->id) }}" class="btn btn-primary">Edit</a>
77                 <form action="{{ route('boardings.destroy', $pet_boardings->id) }}" method="POST" style="display: inline-block;">
78                   @csrf
79                   @method('DELETE')
80                   <button type="submit" class="btn btn-danger">Hapus</button>
81                 </form>
82               </td>
83             </tr>
84           @endforeach
85         </tbody>
86       </table>
87       <br>
88       <a href="{{ route('home') }}" button type="button" class="btn btn-outline-dark">Kembali</a>
89     </div>
90     <script src="{{ asset('js/bootstrap.min.js') }}"/></script>
91   </body>
92 </html>
```

3) Add Form



```
1 <!DOCTYPE html>
2 <html>
3 <head>
4     <title>Form Penitipan Hewan Peliharaan</title>
5     <link rel="stylesheet" href="{{ asset('css/bootstrap.min.css') }}">
6     <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha3/dist/css/bootstrap.min.css">
7     <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha3/dist/js/bootstrap.bundle.min.js"></script>
8     <style>
9         body {
10             padding: 20px;
11         }
12         .container {
13             margin-top: 50px;
14         }
15         h1 {
16             text-align: center;
17             margin-bottom: 30px;
18         }
19         .form-group {
20             margin-bottom: 20px;
21             padding-left: 300px;
22             padding-right: 300px;
23         }
24         .btn {
25             margin-left: 300px;
26             margin-right: 300px;
27         }
28         nav {
29             background-color: #28b2c7;
30         }
31         .navbar-header{
32             color: #fffff;
33         }
34     </style>
35 </head>
36 <body>
37     <header>
38         <nav class="navbar fixed-top">
39             <div class="container-fluid">
40                 <div class="navbar-header">
41                     Luxurious Pet Hotel Purpu
42                 </div>
43             </div>
44         </nav>
45     </header>
46     <div class="container">
47         <h1>Form Penitipan Hewan Peliharaan</h1>
48         <form action="{{ route('boardings.store') }}" method="POST">
49             @csrf
50             <div class="form-group">
51                 <label for="nama_hewan">Nama Hewan:</label>
52                 <input type="text" class="form-control" id="nama_hewan" name="pet_name">
53             </div>
54             <div class="form-group">
55                 <label for="pemilik">Pemilik:</label>
56                 <input type="text" class="form-control" id="pemilik" name="owner_name">
57             </div>
58             <div class="form-group">
59                 <label for="umur_hewan">Umur Hewan:</label>
60                 <input type="text" class="form-control" id="umur_hewan" name="pet_age">
61             </div>
62             <div class="form-group">
63                 <label for="tanggal_masuk">Tanggal Masuk:</label>
64                 <input type="date" class="form-control" id="tanggal_masuk" name="entry_date">
65             </div>
66             <div class="form-group">
67                 <label for="tanggal_keluar">Tanggal Keluar:</label>
68                 <input type="date" class="form-control" id="tanggal_keluar" name="exit_date">
69             </div>
70             <button type="submit" class="btn btn-primary">Submit</button>
71         </form>
72         <br>
73         <a href="{{ route('boardings.index') }}" class="btn btn-outline-dark">Kembali</a>
74     </div>
75     <script src="{{ asset('js/bootstrap.min.js') }}></script>
76 </body>
77 </html>
```

4) Edit Form



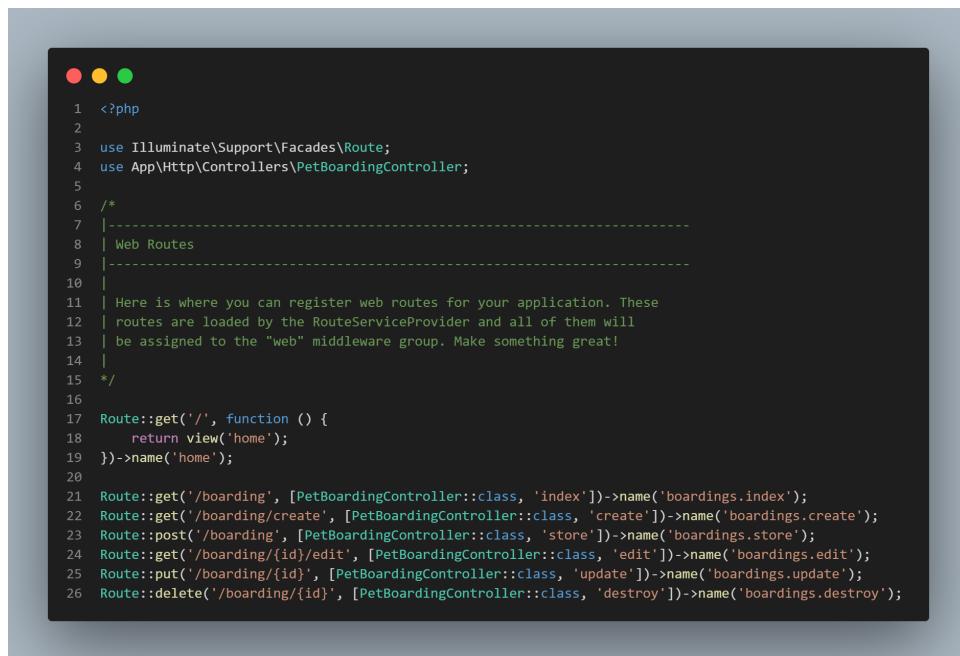
The screenshot shows a web browser displaying an edit form for a pet boarding record. The page title is "Edit Penitipan Hewan Peliharaan". The form includes fields for the pet's name, owner's name, age, and entry and exit dates. A Bootstrap-based navigation bar is visible at the top.

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4     <title>Edit Penitipan Hewan Peliharaan</title>
5     <link rel="stylesheet" href="{{ asset('css/bootstrap.min.css') }}">
6     <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha3/dist/css/bootstrap.min.css">
7     <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha3/dist/js/bootstrap.bundle.min.js"></script>
8     <style>
9         body {
10             padding: 20px;
11         }
12         .container {
13             margin-top: 50px;
14         }
15         h1 {
16             text-align: center;
17             margin-bottom: 30px;
18         }
19         .form-group {
20             margin-bottom: 20px;
21             padding-left: 300px;
22             padding-right: 300px;
23         }
24         .btn {
25             margin-left: 300px;
26             margin-right: 300px;
27         }
28         nav {
29             background-color: #28b2c7;
30         }
31         .navbar-header{
32             color: #ffffff;
33         }
34     </style>
35 </head>
36 <body>
37     <header>
38         <nav class="navbar fixed-top">
39             <div class="container-fluid">
40                 <div class="navbar-header">
41                     Luxurious Pet Hotel Purpu
42                 </div>
43             </div>
44         </nav>
45     </header>
46     <div class="container">
47         <h1>Edit Penitipan Hewan Peliharaan</h1>
48         <form action="{{ route('boardings.update', $pet_boardings->id) }}" method="POST">
49             @csrf
50             @method('PUT')
51             <div class="form-group">
52                 <label for="nama_hewan">Nama Hewan:</label>
53                 <input type="text" class="form-control" id="nama_hewan" name="pet_name" value="{{ $pet_boardings->pet_name }}"/>
54             </div>
55             <div class="form-group">
56                 <label for="pemilik">Pemilik:</label>
57                 <input type="text" class="form-control" id="pemilik" name="owner_name" value="{{ $pet_boardings->owner_name }}"/>
58             </div>
59             <div class="form-group">
60                 <label for="umur_hewan">Umur Hewan:</label>
61                 <input type="text" class="form-control" id="umur_hewan" name="pet_age" value="{{ $pet_boardings->pet_age }}"/>
62             </div>
63             <div class="form-group">
64                 <label for="tanggal_masuk">Tanggal Masuk:</label>
65                 <input type="date" class="form-control" id="tanggal_masuk" name="entry_date" value="{{ $pet_boardings->entry_date }}"/>
66             </div>
67             <div class="form-group">
68                 <label for="tanggal_keluar">Tanggal Keluar:</label>
69                 <input type="date" class="form-control" id="tanggal_keluar" name="exit_date" value="{{ $pet_boardings->exit_date }}"/>
70             </div>
71             <div class="form-group">
72                 <button type="submit" class="btn btn-primary">Update</button>
73             </div>
74         </form>
75         <br>
76         <a href="{{ route('boardings.index') }}" class="btn btn-outline-dark">Kembali</a>
77     </div>
78     <script src="{{ asset('js/bootstrap.min.js') }}"/></script>
79 </body>
80 </html>
```

5) Controller

```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use App\Models\PetBoarding;
6 use Illuminate\Http\Request;
7 use Illuminate\Support\Facades\DB;
8
9 class PetBoardingController extends Controller
10 {
11     public function index()
12     {
13         $pet_boardings = PetBoarding::orderBy('owner_name', 'asc')->get();
14         // $pet_boardings = DB::select('select * from pet_boardings');
15         return view('boardings.index', ['pet_boardings' => $pet_boardings]);
16     }
17
18     public function create()
19     {
20         return view('boardings.create');
21     }
22
23     public function store(Request $request)
24     {
25         $data = $request->validate([
26             'pet_name' => 'required',
27             'owner_name' => 'required',
28             'pet_age' => 'required',
29             'entry_date' => 'required|date',
30             'exit_date' => 'required|date'
31         ]);
32
33         PetBoarding::create($data);
34         return redirect()->route('boardings.index')->with('success', 'Data berhasil ditambahkan');
35     }
36
37     public function edit($id)
38     {
39         $pet_boardings = PetBoarding::findOrFail($id);
40         return view('boardings.edit', ['pet_boardings' => $pet_boardings]);
41     }
42
43     public function update(Request $request, $id)
44     {
45         $data = $request->validate([
46             'pet_name' => 'required',
47             'owner_name' => 'required',
48             'pet_age' => 'required',
49             'entry_date' => 'required|date',
50             'exit_date' => 'required|date'
51         ]);
52
53         $pet_boardings = PetBoarding::findOrFail($id);
54         $pet_boardings->update($data);
55
56         return redirect()->route('boardings.index')->with('success', 'Data berhasil diperbarui');
57     }
58
59     public function destroy($id)
60     {
61         $pet_boardings = PetBoarding::findOrFail($id);
62         $pet_boardings->delete();
63
64         return redirect()->route('boardings.index')->with('success', 'Data berhasil dihapus');
65     }
66 }
```

6) Routes



```
1 <?php
2
3 use Illuminate\Support\Facades\Route;
4 use App\Http\Controllers\PetBoardingController;
5
6 /*
7 | -----
8 | Web Routes
9 | -----
10 |
11 | Here is where you can register web routes for your application. These
12 | routes are loaded by the RouteServiceProvider and all of them will
13 | be assigned to the "web" middleware group. Make something great!
14 |
15 */
16
17 Route::get('/', function () {
18     return view('home');
19 })->name('home');
20
21 Route::get('/boarding', [PetBoardingController::class, 'index'])->name('boardings.index');
22 Route::get('/boarding/create', [PetBoardingController::class, 'create'])->name('boardings.create');
23 Route::post('/boarding', [PetBoardingController::class, 'store'])->name('boardings.store');
24 Route::get('/boarding/{id}/edit', [PetBoardingController::class, 'edit'])->name('boardings.edit');
25 Route::put('/boarding/{id}', [PetBoardingController::class, 'update'])->name('boardings.update');
26 Route::delete('/boarding/{id}', [PetBoardingController::class, 'destroy'])->name('boardings.destroy');
```

7) Factory



The screenshot shows a code editor window with a dark theme. At the top left, there are three circular icons: red, yellow, and green. The code itself is a PHP file named `PetBoardingFactory.php`. It defines a factory for the `PetBoarding` model using the `Faker` library. The code includes annotations for the factory's name and its default state, and it maps `Faker` properties to database columns.

```
1 <?php
2
3 namespace Database\Factories;
4
5 use App\Models\PetBoarding;
6 use Illuminate\Database\Eloquent\Factories\Factory;
7 use Faker\Factory as Faker;
8
9 class PetBoardingFactory extends Factory
10 {
11     /**
12      * The name of the factory's corresponding model.
13      *
14      * @var string
15      */
16     protected $model = PetBoarding::class;
17
18     /**
19      * Define the model's default state.
20      *
21      * @return array
22      */
23     public function definition()
24     {
25         $faker = Faker::create();
26
27         return [
28             'pet_name' => $faker->name,
29             'owner_name' => $faker->name,
30             'pet_age'=>$faker->randomDigitNotNull,
31             'entry_date' => $faker->date,
32             'exit_date' => $faker->date
33         ];
34     }
35 }
```

8) Seeder

```
1  <?php
2
3  namespace Database\Seeders;
4
5  use Illuminate\Database\Seeder;
6  use App\Models\PetBoarding;
7  use Database\Factories\PetBoardingFactory;
8
9  class PetBoardingSeeder extends Seeder
10 {
11     /**
12      * Run the database seeds.
13      *
14      * @return void
15      */
16     public function run()
17     {
18         PetBoarding::factory(10)->create();
19     }
20 }
```

9) Migration



The screenshot shows a terminal window with a dark background and three colored icons (red, yellow, green) at the top. The terminal displays a PHP migration script named `pet_boardings.php`. The code defines a class that extends `Migration`, containing methods for creating and dropping a table named `pet_boardings`.

```
1 <?php
2
3 use Illuminate\Database\Migrations\Migration;
4 use Illuminate\Database\Schema\Blueprint;
5 use Illuminate\Support\Facades\Schema;
6
7 return new class extends Migration
8 {
9     /**
10      * Run the migrations.
11      */
12     public function up(): void
13     {
14         Schema::create('pet_boardings', function (Blueprint $table) {
15             $table->id();
16             $table->string('pet_name');
17             $table->string('owner_name');
18             $table->integer('pet_age');
19             $table->date('entry_date');
20             $table->date('exit_date');
21             $table->timestamps();
22         });
23     }
24
25     /**
26      * Reverse the migrations.
27      */
28     public function down(): void
29     {
30         Schema::dropIfExists('pet_boardings');
31     }
32 };
```

10) Models



```
1 <?php
2
3 namespace App\Models;
4
5 use Illuminate\Database\Eloquent\Factories\HasFactory;
6 use Illuminate\Database\Eloquent\Model;
7
8 class PetBoarding extends Model
9 {
10     use HasFactory;
11
12     protected $fillable = [
13         'pet_name',
14         'owner_name',
15         'pet_age',
16         'entry_date',
17         'exit_date',
18     ];
19 }
```