## LANGKAH 1: Setup Proyek Laravel di Laragon

1. Buka Laragon → klik Menu > Quick app > Laravel  
2. Beri nama proyek: `airline`  
3. Setelah selesai, buka terminal:  
4. Buat database MySQL baru, contoh: `airline`  
5. Edit file .env agar sesuai koneksi DB

cd D:/laragon/www/airline  
composer install  
cp .env.example .env  
php artisan key:generate  
  
# .env example  
DB\_DATABASE=airline  
DB\_USERNAME=root  
DB\_PASSWORD=

## LANGKAH 2: Buat Migration & Model

Gunakan artisan untuk membuat model dan migration:

php artisan make:model Flight -m  
php artisan make:model Ticket -m

## Migration Flights

Schema::create('flights', function (Blueprint $table) {  
 $table->id();  
 $table->string('code', 10);  
 $table->string('origin');  
 $table->string('destination');  
 $table->timestamp('departure\_time');  
 $table->timestamp('arrival\_time');  
 $table->timestamps();  
});

## Migration Tickets

Schema::create('tickets', function (Blueprint $table) {  
 $table->id();  
 $table->foreignId('flight\_id')->constrained()->onDelete('cascade');  
 $table->string('passenger\_name');  
 $table->string('passenger\_phone');  
 $table->string('seat\_number');  
 $table->timestamp('boarding\_time')->nullable();  
 $table->timestamps();  
});

## LANGKAH 3: Seeder Dummy Data

Gunakan FlightSeeder dan tambahkan ke DatabaseSeeder:

php artisan make:seeder FlightSeeder

## Contoh isi FlightSeeder

DB::table('flights')->insert([  
 [  
 'code' => 'JT610',  
 'origin' => 'CGK',  
 'destination' => 'SUB',  
 'departure\_time' => '2024-04-10 08:00:00',  
 'arrival\_time' => '2024-04-10 10:00:00',  
 'created\_at' => now(),  
 'updated\_at' => now(),  
 ],  
]);

## LANGKAH 4: Routing & Controller

Buat controller dan routing di web.php:

php artisan make:controller FlightController  
php artisan make:controller TicketController

## Routing web.php

Route::get('/', fn() => redirect('/flights'));  
Route::get('/flights', [FlightController::class, 'index'])->name('flights.index');  
Route::get('/flights/book/{flight}', [TicketController::class, 'create'])->name('tickets.create');  
Route::post('/ticket/submit', [TicketController::class, 'store'])->name('tickets.store');  
Route::get('/flights/ticket/{flight}', [TicketController::class, 'index'])->name('tickets.index');  
Route::put('/ticket/board/{ticket}', [TicketController::class, 'board'])->name('tickets.board');  
Route::delete('/ticket/delete/{ticket}', [TicketController::class, 'destroy'])->name('tickets.destroy');

## LANGKAH 5: Install Tailwind CSS

Install Tailwind dan sesuaikan Vite dan app.css:

npm install -D tailwindcss postcss autoprefixer  
npx tailwindcss init

## resources/css/app.css

@tailwind base;  
@tailwind components;  
@tailwind utilities;

## vite.config.js

import { defineConfig } from 'vite';  
import laravel from 'laravel-vite-plugin';  
  
export default defineConfig({  
 plugins: [  
 laravel({  
 input: ['resources/css/app.css', 'resources/js/app.js'],  
 refresh: true,  
 }),  
 ],  
});

## View: flights/index.blade.php

@extends('layouts.app')  
  
@section('content')  
<div class="min-h-screen bg-gradient-to-br from-blue-50 to-white py-10 px-4">  
 <h1 class="text-3xl font-bold text-center mb-10">Airplane Booking System</h1>  
 <div class="grid grid-cols-1 sm:grid-cols-2 lg:grid-cols-3 gap-6 max-w-6xl mx-auto">  
 @foreach ($flights as $flight)  
 <div class="bg-white hover:bg-gray-50 rounded-xl shadow-md p-6">  
 <p class="text-xl font-semibold">{{ $flight->code }}</p>  
 <p>{{ $flight->origin }} → {{ $flight->destination }}</p>  
 <p><small>{{ $flight->departure\_time }}</small></p>  
 <div class="mt-4 flex gap-2">  
 <a href="{{ route('tickets.index', $flight->id) }}" class="btn">Tiket</a>  
 <button onclick="openBookingModal(...)" class="btn btn-blue">Pesan Tiket</button>  
 </div>  
 </div>  
 @endforeach  
 </div>  
</div>  
@endsection

## View: tickets/create.blade.php

@extends('layouts.app')  
  
@section('content')  
<div class="max-w-2xl mx-auto bg-white p-6 rounded shadow">  
 <h2 class="text-xl font-bold">Booking Tiket</h2>  
 <form action="{{ route('tickets.store') }}" method="POST">  
 @csrf  
 <input type="hidden" name="flight\_id" value="{{ $flight->id }}">  
 <input type="text" name="passenger\_name" placeholder="Nama Penumpang" required>  
 <input type="text" name="passenger\_phone" placeholder="No HP" required>  
 <input type="text" name="seat\_number" placeholder="No Kursi" required>  
 <button type="submit">Submit</button>  
 </form>  
</div>  
@endsection

## Controller: TicketController.php

public function create(Flight $flight) {  
 return view('tickets.create', compact('flight'));  
}  
  
public function store(Request $request) {  
 $validated = $request->validate([  
 'flight\_id' => 'required|exists:flights,id',  
 'passenger\_name' => 'required',  
 'passenger\_phone' => 'required',  
 'seat\_number' => 'required'  
 ]);  
 Ticket::create($validated);  
 return redirect()->route('tickets.index', $validated['flight\_id']);  
}  
  
public function index(Flight $flight) {  
 $tickets = $flight->tickets;  
 return view('tickets.index', compact('flight', 'tickets'));  
}  
  
public function board(Ticket $ticket) {  
 $ticket->update(['boarding\_time' => now()]);  
 return back();  
}  
  
public function destroy(Ticket $ticket) {  
 if (!$ticket->boarding\_time) $ticket->delete();  
 return back();  
}

## Controller: FlightController.php

public function index() {  
 $flights = Flight::all();  
 return view('flights.index', compact('flights'));  
}

## View: tickets/index.blade.php

@extends('layouts.app')  
  
@section('content')  
<div class="container mx-auto p-6">  
 <h2 class="text-xl font-bold">Daftar Tiket</h2>  
 <table class="w-full text-sm mt-4">  
 <thead>  
 <tr>  
 <th>Nama</th><th>No HP</th><th>No Kursi</th><th>Boarding</th><th>Aksi</th>  
 </tr>  
 </thead>  
 <tbody>  
 @foreach($tickets as $ticket)  
 <tr>  
 <td>{{ $ticket->passenger\_name }}</td>  
 <td>{{ $ticket->passenger\_phone }}</td>  
 <td>{{ $ticket->seat\_number }}</td>  
 <td>{{ $ticket->boarding\_time ?? 'Belum' }}</td>  
 <td>  
 @if(!$ticket->boarding\_time)  
 <form method="POST" action="{{ route('tickets.board', $ticket->id) }}">  
 @csrf @method('PUT')  
 <button>Board</button>  
 </form>  
 @endif  
 <form method="POST" action="{{ route('tickets.destroy', $ticket->id) }}">  
 @csrf @method('DELETE')  
 <button>Hapus</button>  
 </form>  
 </td>  
 </tr>  
 @endforeach  
 </tbody>  
 </table>  
</div>  
@endsection

## Model: Flight.php

class Flight extends Model {  
 protected $fillable = ['code', 'origin', 'destination', 'departure\_time', 'arrival\_time'];  
 public function tickets() {  
 return $this->hasMany(Ticket::class);  
 }  
}

## Model: Ticket.php

class Ticket extends Model {  
 protected $fillable = ['flight\_id', 'passenger\_name', 'passenger\_phone', 'seat\_number', 'boarding\_time'];  
 public function flight() {  
 return $this->belongsTo(Flight::class);  
 }  
}