

Smart Home Services Booking Platform (Laravel 12)

1. Project Overview

This platform is a web-based service booking system built using Laravel 12 and Blade templates. It allows customers to book services like electrical work, plumbing, AC repair, cleaning, and carpentry. The system includes a technician panel and a powerful admin panel using Filament.

2. Core Features

Customer Panel: Register/login, browse services, book service, track status, view booking history.

Technician Panel: Login, view assigned jobs, update status (Accepted, On the Way, Completed).

Admin Panel (Filament): Manage services, bookings, technicians, customers, reports.

3. Booking Flow

User books a service → Admin assigns technician → Technician accepts → Status updates → Service completed.

4. Tech Stack

Backend: Laravel 12

Frontend: Blade Templates (Mobile-first design)

Admin Panel: Filament

Database: MySQL

5. Database Structure

Table	Description
users	Stores customers, admins, technicians
services	List of services
bookings	All service bookings
technicians	Technician details
booking_status_logs	Status history

6. UI Pages

Customer: Home, Services, Book Service, My Bookings

Technician: Dashboard, Assigned Jobs

Admin: Dashboard, Bookings, Services, Technicians, Reports

7. Development Plan

Phase 1: Setup Laravel + Auth

Phase 2: Build booking system

Phase 3: Integrate Filament admin panel

Phase 4: Mobile UI optimization

8. Conclusion

This system provides a scalable solution for managing home services with a simple architecture, focusing on usability and mobile-friendly design.