

PROJECT ABSTRACT

Home Services Booking Android App

An Android home services booking app: service catalogue, verified professional profiles, upfront pricing, slot booking and confirmation — delivered built-to-order with full source, API design, report, PPT and viva kit.

01. Title

Home Services Booking Android App.

02. Introduction / Background

Finding a reliable plumber or electrician is still a word-of-mouth lottery: ask the neighbors, call three numbers, haggle over the visit charge, hope the person shows up. Aggregator platforms solved this in metros, and their apps are the reference for what good looks like — and a perfect final-year project: a service catalogue, professional profiles with trust signals (ratings, jobs done, experience), transparent upfront pricing, slot scheduling, and booking confirmation. This project builds exactly that as an Android app with a deliberately short flow — service → pro → slot → address → booking ID — where trust is the core design problem and every screen answers it: verification cues, job counts, star ratings and pay-after-work messaging.

03. Problem Statement

Home-service hiring is intermediated by luck: no transparent pricing, no verifiable track record, no scheduling certainty. A mobile marketplace with upfront prices, trust signals and slot booking formalizes the transaction for both customer and professional.

04. Objectives

- Offer a nine-service catalogue with icons (plumber → appliance repair).
- Show professional profiles: rating, jobs done, experience, upfront price.
- Provide slot booking across multiple days with single-slot selection.
- Issue booking confirmations with booking ID, pro, slot and amount.
- Design the REST API (services, pros, slots, bookings) for the production backend.

05. Proposed Methodology

The app follows MVVM: the data layer holds services, professionals and slots; the booking ViewModel tracks selected service, pro, slot and address through a short state machine ending in a booking record with generated ID. Trust signals (rating, job count, experience) are first-class fields on the pro model, not decoration. The demo runs on five realistic professional profiles and six slots; the API design document specifies atomic slot reservation so two customers cannot book the same slot in production.

06. System Architecture / Working

Screens: home (offer banner + catalogue + top-rated), pro list (trade-filtered cards), booking (profile summary + slot grid + address + confirm bar), confirmation (booking ID slip). State machine: select service → select pro → select slot → confirm → booking issued. Backend design: REST resources for services/pros/slots/bookings.

07. Hardware / Software Requirements

- Android 8.0 (API 26)+ device.
- Android Studio + Kotlin for building; demo needs no server.
- Production backend per the API design; push provider for reminders.

08. Expected Outcomes

- A complete booking journey (service → pro → slot → booking ID) demonstrable in under a minute.
- Trust-first UI where every price and rating is visible pre-booking.
- Complete Kotlin source, API design, report, PPT and viva Q&A.;

09. Applications

- City home-services marketplaces.
- Single-trade businesses (plumbing/electrical firms) taking bookings.
- College demonstration of marketplace UX and trust design.

10. Future Scope

- Pro-side app (availability, earnings, job acceptance).
- In-app UPI prepayment and live “pro on the way” tracking.
- Cancellation/rescheduling and dispute-resolution flows.