MEDGURU - PRD

📌 Project Overview

Product: MedGuru – Android Medicine Finder App

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🎯 Objective

> *What are you trying to build and why?*

- Build an Android app that helps users locate affordable, government-authorized medicines during health emergencies like COVID-19.
- Reduce time spent searching for medicines and improve accessibility in the Delhi-NCR region.
- Aligns with user goals by offering real-time data, price comparisons, and location-based pharmacy information.

👤 User Personas

> *Who are you building this for?*

- **Primary Audience:** College students, families, and residents in Delhi-NCR needing affordable medicines.
- **Secondary Audience:** Healthcare professionals and pharmacists seeking quick reference to medicine availability.

✅ Success Metrics / KPIs

> *How will we measure success?*

- [ ] Reduce medicine discovery time by 40%
- [ ] Achieve 98% uptime during beta testing
- [ ] Reach at least 100 beta testers in the Delhi-NCR area
- [ ] Accurate real-time data from government pharmacy sources

🧩 Key Features / Requirements

> *What exactly needs to be built?*

- Real-time search of government-authorized medicines
- Price comparison and availability across nearby pharmacies
- User profile and search history tracking
- Notifications for medicine availability updates
- Educational content on safe medicine use

🖥️ User Stories

> *Written from the user's perspective.*

Examples

- As a user, I want to search for a medicine so I can find nearby affordable options.
- As a user, I want to see price comparisons so I can choose the cheapest option.
- As a user, I want notifications for medicine availability so I don’t miss urgent needs.
- As a beta tester, I want the app to load quickly and reliably so I can trust it in emergencies.

📐 UX & Design

> *Include any design constraints or brand guidelines.*

- Simple, intuitive interface for quick searches
- Support for English and Hindi languages
- Mobile-first design optimized for Android devices
- Wireframes & mockups available on request

🧪 Scope of Work

> *What’s in scope and what’s out*

In Scope:

- Android app development (Kotlin/XML)
- Firebase backend integration for real-time data
- Integration with open-source government pharmacy data
- Beta testing within college and Delhi-NCR users

Out of Scope:

- Nationwide rollout (initially limited to Delhi-NCR)

- iOS app development
- Integration with private pharmacy databases

🛠️ Technical Requirements

> *For the engineering team*

- **Platform:** Android (Kotlin/XML)
- **Backend:** Firebase Realtime Database
- **APIs:** Government pharmacy open-source API
- **Architecture:** MVVM
- **Other Tools:** Firebase Authentication, Firebase Cloud Messaging for push notifications

🧱 Dependencies

> *What needs to happen before this can be built?*

- [ ] Access to up-to-date government pharmacy data
- [ ] Firebase project setup for backend
- [ ] Design wireframes and UI mockups
- [ ] Beta tester recruitment for Delhi-NCR

🧠 Open Questions / Risks

- Accuracy and timeliness of government pharmacy data
- Limited beta user base may not represent full population needs
- Potential technical issues with Firebase real-time sync
- Accessibility for users unfamiliar with smartphones