

Development Prompts: All prompts used to achieve the current final result.

Project: MedFácil

Note: All prompts were originally submitted in Portuguese to the Base44 platform to maintain linguistic precision during the development process.

Prompt 1: Full System Architecture & UI/UX Design Prompt

Objective: Establishing the complete functional requirements, user personas, and accessibility-driven design system.

Original prompt (English Translation):

"Create a modern and intuitive mobile app focused on locating medications available in public (SUS) and private pharmacies... Design & UI: Create an interface extremely simple and accessible (focus on the elderly), large and legible buttons, few clicks to reach information. Color Palette: Dark Blue: #102B53, Medium Blue: #4E7AB1... High contrast for accessibility."

This comprehensive prompt served as the application's foundational blueprint. By explicitly defining the logic for two distinct user roles (Employee vs. Patient) and specifying a strict design system with hexadecimal codes and contrast requirements, I ensured the AI maintained structural integrity and accessibility standards throughout the generation.

Prompt 2: Technical Validation & Database Infrastructure.

Original prompt (English Translation):

"Does the application have a database? How does this database work?"

This was a validation prompt. I needed to confirm the underlying infrastructure to ensure the app could support dynamic data syncing. My goal was to understand how the platform handles relational data between medications, pharmacies, and real-time user updates, verifying that the system was technically feasible for a healthcare environment.

Prompt 3: User Permissions & Business Logic

Prompt Original (English Translation):

"Are there two types of accounts? One for employees and one for users?"

I used this prompt to validate the **User Access Control (UAC)** logic. It was technically mandatory to separate "Employee" permissions (write access) from "Common User" permissions (read access) to maintain data integrity. This confirms my active audit of the system's backend logic.

Prompt 4: Technical Debugging & Integration Troubleshooting

Original Prompt(English Translation):

"I identified a problem. When I switch the tabs at the bottom, there is a conflict between favorites and stock. Also, I can't log in with an account, especially through Google."

This prompt showcases the **User Acceptance Testing (UAT)** phase. I detected a technical conflict in the navigation bar logic and addressed a critical integration issue regarding the OAuth (Google Login) authentication flow, ensuring the security layer for user login was functional.

Prompt 5: UI Refinement & Role-Based Interface Logic

Original Prompt (English Translation):

"Both appear, but there is a glitch when switching tabs. It is not possible to click on 'Favorites' because it is replaced by the 'Stock' tab; I expect to see both options for different types of accounts."

I identified a layering conflict where one interface element was overriding another's hit area. I instructed the system to maintain **Conditional Rendering**, ensuring the navigation bar dynamically adjusts to the user's role without technical overlaps, keeping the app intuitive for our target audience.

Section 6: Final System Overhaul & Regional Data Localization

Original Prompt (English Translation):

Make the following changes to the MedFácil app:

Remove barcode scanner.

Accessibility: Increase font size to 18px and button height to 55px.

Correct employee permissions: Fix it so any logged-in employee can update their own pharmacy's stock.

create pharmacies details screen: (route /farmacia/:id): Display: logo, name, address, phone, hours...

Database update: Remove previous data and insert new specific pharmacies for Araraquara, SP:

Note: A total of 33 specific pharmacies from Araraquara were sent, including full addresses, phone numbers, and business hours previously researched and documented.

Examples sent in the prompt:

- Farmácia Santa Paula: Av. Barroso 524, Araraquara, SP. Tel: (16) 3335-5952.
- Farmácia do NGA 3: Av. José Bonifácio, 614 – Centro. Tel: (16) 3333-5111.
- Farmácia DrogaVen: Rua Nove de Julho 2186, Araraquara, SP. Tel: (16) 3336-1696..."

This "Master Prompt" represents the final engineering phase. I addressed **Role-Based Access Control (RBAC)** to fix a bug in the administrative hierarchy and established strict UI constraints for elderly accessibility. Furthermore, I manually curated the database with real health units from Araraquara-SP, ensuring the app's social utility.

Section 7: Backend Permissions Audit

Prompt Original (English Translation):

"How does the stock tab that says 'contact an administrator' work? Is there a different account for the administrator? My account appears in this category and even so I can't do anything."

This served as a **Security Audit**. I identified a logic flaw where the "Admin" role was incorrectly blocking the "Employee" role. My goal was to ensure the pharmacist had the necessary write-permissions without manual intervention, a critical requirement for the app's scalability.

Final Statement:

Every stage of the MediFácil development was closely monitored, tested, and refined through a rigorous process of prompt engineering and technical validation, ensuring a functional, secure, and accessible solution for the community.