

# Coding Challenge – Flutter & Full Stack Developers

## Overview

Thank you for applying! To better understand your skills, we'd like you to complete a short coding challenge based on your role. Please follow the instructions below and submit your completed code within the time estimate.

## Instructions

- **Time estimate:** 1–4 hours depending on the role.
- You may use any packages that simplify development (e.g., Riverpod, Retrofit, etc.).
- Submit your code via GitHub (public or private with access).
- Include a brief [README.md](#) in your project explaining how to run it.

## Flutter Frontend Developer Task

### Objective

Build a simple mobile app to display and search a list of products.

### Requirements

- Load product list from a hardcoded JSON (local or asset file).
- Display products in a scrollable list with:
  - Name
  - Price
  - Image (use any placeholder if needed)
- Implement a **search bar** to filter products by name.
- Tap on a product to see a **detail screen** with all product info.

## Bonus

- Use **Riverpod**, **Bloc**, or **Provider** for state management.
- Write clean, modular code using good architecture (MVVM or Clean Architecture).
- Add minimal input validation and UI responsiveness.

## Bonus

- Use state management (Riverpod, Bloc, etc.)
- Add simple loading/error UI states.

## Tech Requirements

Layer	Technology
Frontend	Flutter 3.x, Dart

## Submission

- Push your project to GitHub (private is fine).
- Add a short **README.md** with:
  - How to run backend and frontend
  - Any assumptions or notes
- Share the link with us before the interview.