



e-conomic iOS Code Challenge

Visma e-conomic uses a practical development task as part of its recruiting process to assess candidates' coding skills and approach to problem-solving.

Challenge Overview:

Build a simple iOS application using Swift that fulfills these user stories:

As a freelancer, I want to:

- Take pictures of my expense receipts or invoices directly within the app.
- Add and locally store relevant information about each receipt (e.g., date, total amount, currency).
- View an offline-accessible history of all captured photos along with their associated details.
- Ensure the app remains fully functional offline, preserving data and state between sessions.
- Ensure thread safety and robustness to efficiently handle large datasets.

Technical Specifications:

- Use Swift for development.
- Use Core Data or Realm for local storage.
- Use SwiftUI or UIKit.
- Adhere to MVVM or Clean Architecture principles, as detailed in the provided architecture attachment.
- Ensure thread safety using appropriate concurrency techniques (e.g., DispatchQueues, Combine).
- Include unit tests to demonstrate your solution's testability.

Expectations:

Production-level code is not required. The focus is on your ability to interpret user requirements and translate them into a functional, well-structured, and maintainable application.

Your solution should be:

- Buildable and runnable
- Clearly structured
- Maintainable
- Aligned with the proposed architecture (provided as an attachment)
- Testable

Submission Guidelines:

- Publish your solution to your personal GitHub repository.
- Commit regularly to illustrate your iterative progress.
- After submission, we will review your solution, and if it meets our expectations, we'll invite you to a presentation session to discuss your approach.

For questions or clarifications, please contact me at silviu.macovei@visma.com .

Happy coding!