

Data Storage for the Retail Mobile App

Context

The team needs to decide on the most suitable data storage strategy for the mobile app, with an emphasis on offline functionality and synchronization.

Decision

After thorough analysis, the team recommends using SQLite for local storage on the device and Redis for the cloud-based database.

Rationale

SQLite is an efficient option for local storage, which supports offline functionality. On the other hand, Redis provides a scalable solution for cloud-based database needs. This approach aligns with the project's requirements for seamless synchronization.

Consequences

Implementing a dual storage approach requires careful synchronization logic. However, it ensures optimal performance and meets the project's requirement of supporting offline mode effectively.