

A Collaborative Visual Database

by

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I Conceptual study

I.1 Detailed architecture

With our architectural patterns selected and our requirements fully defined, we can, now, proceed to producing detailed diagrams of our application. In the following sections, we will present our application's class, sequence, and activity diagrams.

I.1.1 Class diagrams

I.1.2 Sequence diagrams

I.1.3 Activity diagrams

I.2 Conclusion

2 Implementation

Researching the current solutions led us to formulate a set of requirements to ensure that Merebase offers the best experience.

Acronyms

CmRDT Commutative Replicated Data Type

CMS Content Management Software

CRDT Conflict-free Replicated Data Type

CvRDT Convergent Replicated Data Type

FDD Feature-Driven Development

JSON JavaScript Object Notation

MVC Model-View-Controller

MVVM Model-View-ViewModel

OT Operational Transformation

P2P Peer-To-Peer

RBAC Role-Based Access Control

SaaS Software as a Service

UI User Interface

UX User Experience

WOOT WithOut Operational Transformation