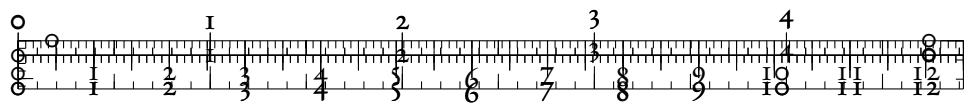


A Collaborative Visual Database

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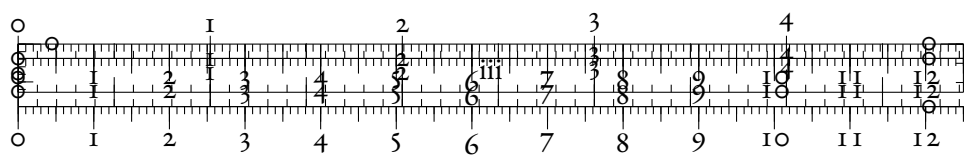
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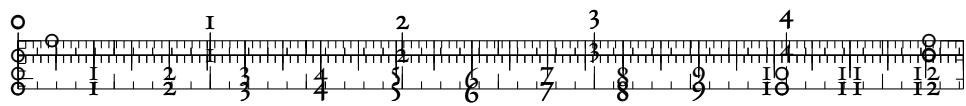
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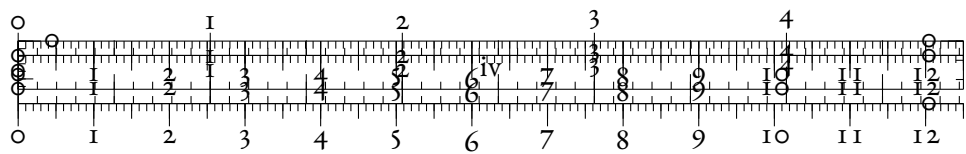
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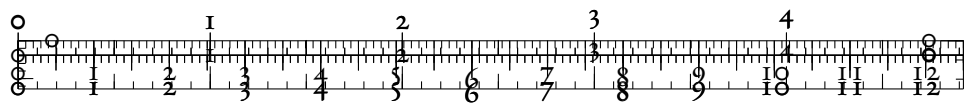




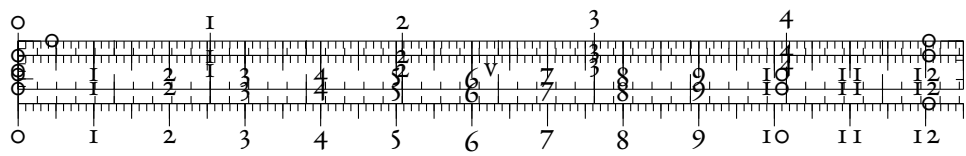
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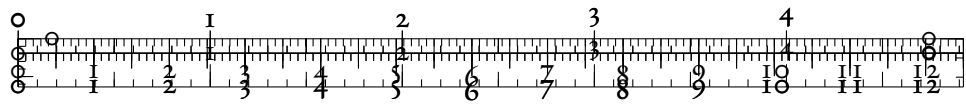
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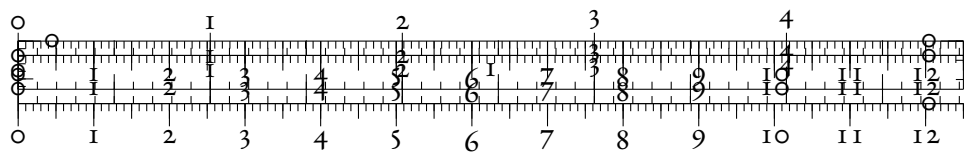
I Conceptual study

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, and sequence diagrams.

I.1.1 Class diagrams

Figure I.1 represents our application's general class diagram.



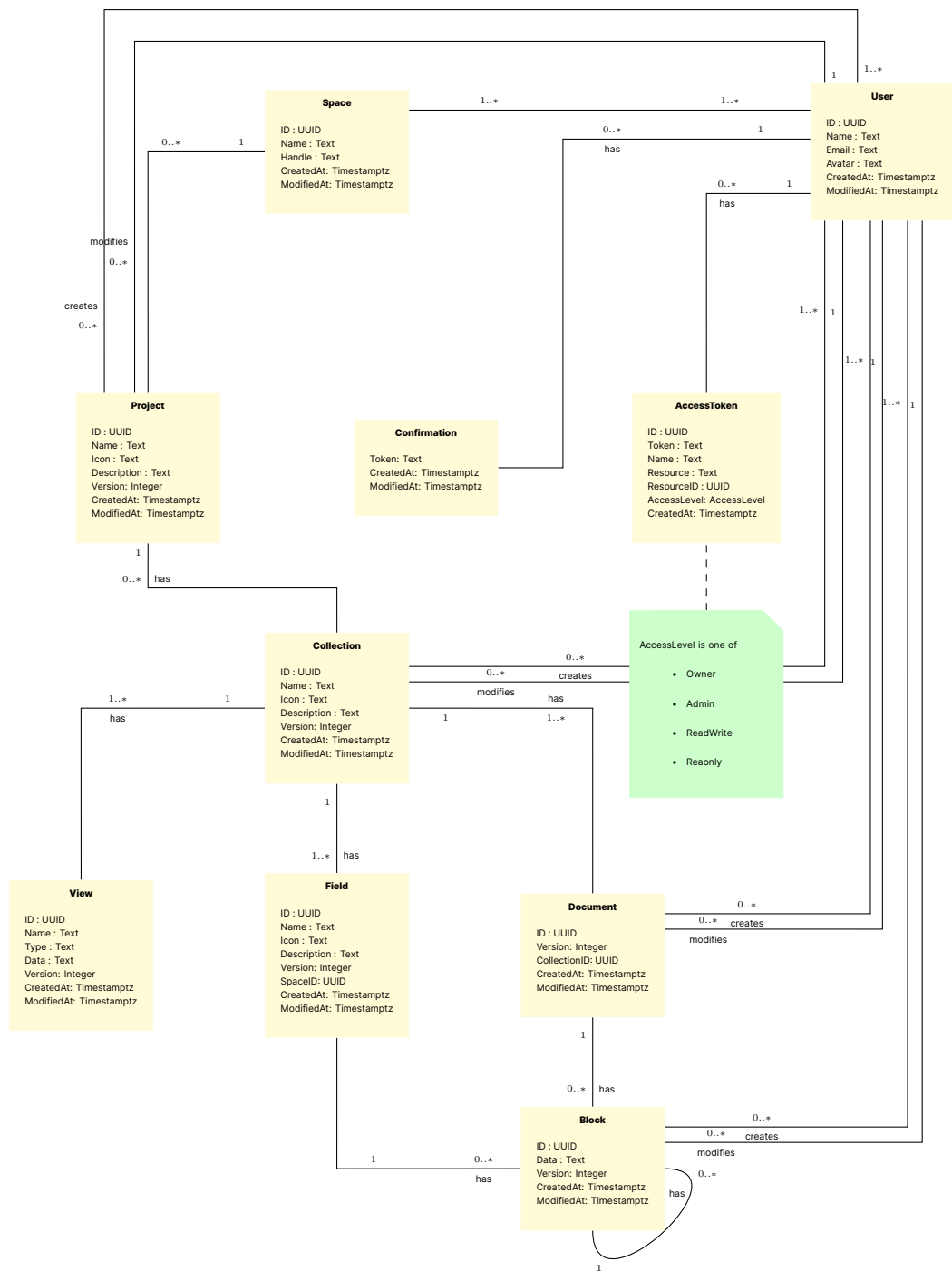
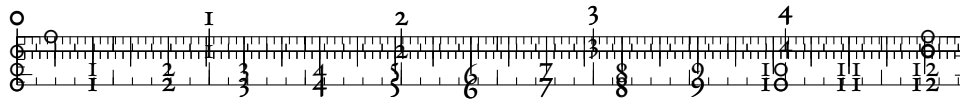


Figure 1.1: General class diagram



Acronyms

CmRDT Commutative Replicated Data Type

CMS Content Management Software

CRDT Conflict-free Replicated Data Type

CvRDT Convergent Replicated Data Type

DOM Document Object Model

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

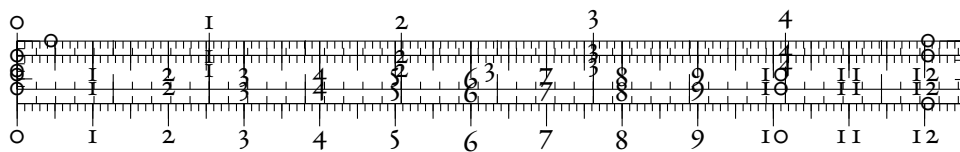
RDMBS Relational Database Management System

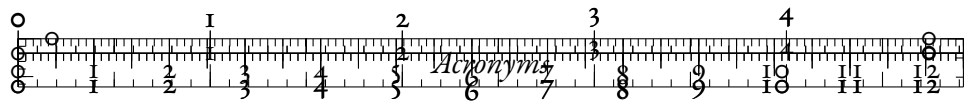
SaaS Software as a Service

SDK Software Development Kit

SSPL Server Side Public License

UI User Interface

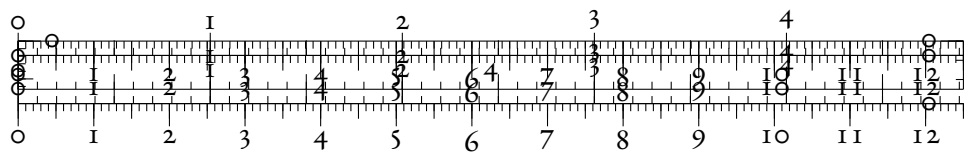


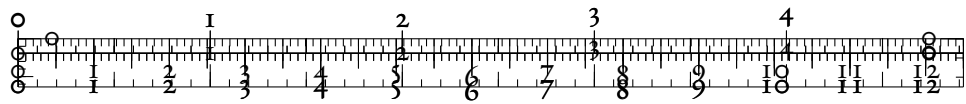


UX User Experience

WAI-ARIA Web Accessibility Initiative – Accessible Rich Internet Applications

WOOT WithOut Operational Transformation

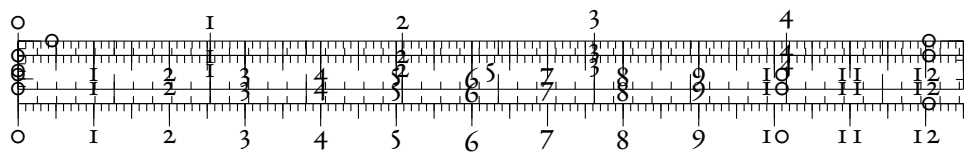


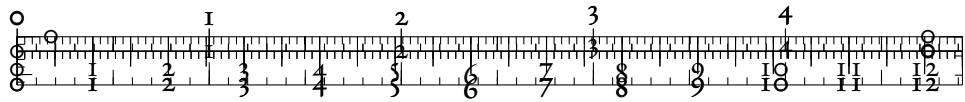


Glossary

cacheable A cacheable response is an HTTP response that is stored to be retrieved and used later, saving a new request to the server [1].

polyfill A piece of code used to provide modern functionality on older browsers that do not natively support it [2].





Bibliography

- [1] *Cacheable - MDN Web Docs Glossary: Definitions of Web-related terms* | MDN. en-US. URL: <https://developer.mozilla.org/en-US/docs/Glossary/cacheable> (visited on 06/07/2021).
- [2] *Polyfill - MDN Web Docs Glossary: Definitions of Web-related terms* | MDN. en-US. URL: <https://developer.mozilla.org/en-US/docs/Glossary/Polyfill> (visited on 06/07/2021).

