

A Collaborative Visual Database

by

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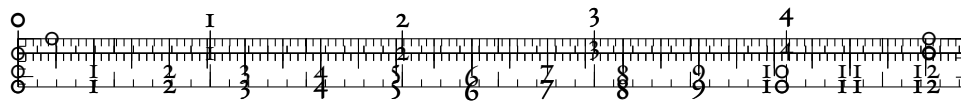
A document submitted in partial fulfillment of the requirements for the

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at

MISKATONIC UNIVERSITY



I Conceptual study

1.0.1 Sequence diagrams

“X” sequence diagram

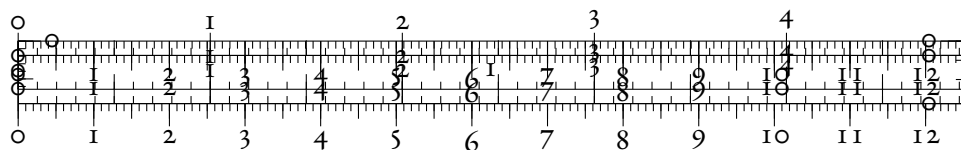
Figure 1.1: “X” sequence diagram

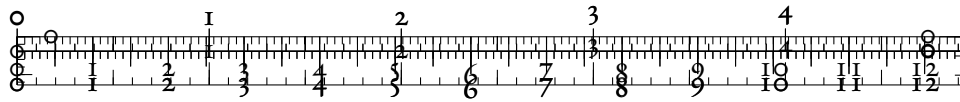
1.0.2 Activity diagrams

1.1 Conclusion

In this chapter, we analyzed the possible architectures of the different aspects of our applications, compared them, and made an objective choice. Then, we proceeded to present, in details, the architecture of our application.

Within the next chapter, we are going to glue all the pieces of research and theory together, and bring our application to life.





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

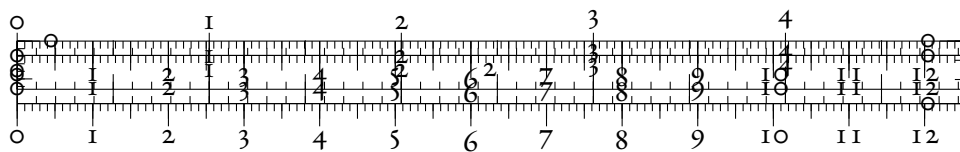
RDMBS Relational Database Management System

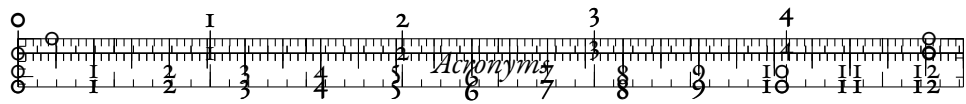
SaaS Software as a Service

SDK Software Development Kit

SSPL Server Side Public License

UI User Interface

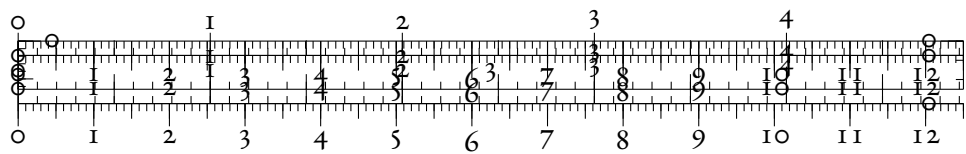


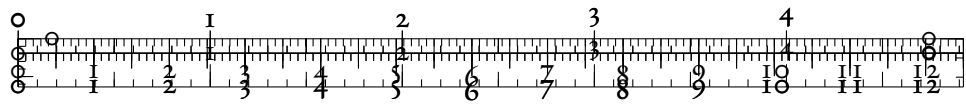


UX User Experience

WAI-ARIA Web Accessibility Initiative – Accessible Rich Internet Applications

WOOT WithOut Operational Transformation

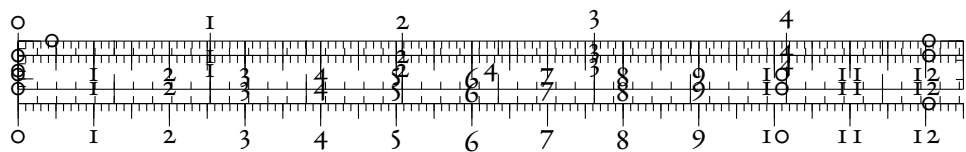


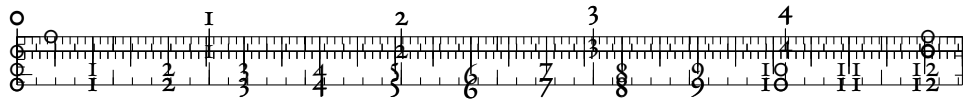


Glossary

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).

