**D1.6.2 Software Requirements Document (SRD)**

ModelWriter

Text & Model-Synchronized Document Engineering Platform

Project number: ITEA 2 13028

Work Package: WP1

Task: T1.6 – Consolidated Software Requirements and Review

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Apart from the deliverables which are defined as public information in the Project Cooperation Agreement (PCA), unless otherwise specified by the consortium, this document will be treated as strictly confidential.

Document History

|  |  |  |  |
| --- | --- | --- | --- |
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Table of Contents

[Document History 2](#_Toc428286711)

[1. Introduction 4](#_Toc428286712)

[1.1. Role of the deliverable 4](#_Toc428286713)

[1.2. The List of Technical Work Packages 4](#_Toc428286714)

[1.3. he List of Use Cases 4](#_Toc428286715)

[1.4. Conventions 6](#_Toc428286716)

[1.5. Structure of the document 6](#_Toc428286717)

[1.6. Terms, abbreviations and definitions 6](#_Toc428286718)

[2. Software Requirements 7](#_Toc428286719)

[2.1. REQ-UR-67 7](#_Toc428286720)

[2.2. REQ-UR-66 7](#_Toc428286721)

[2.3. REQ-UR-65 7](#_Toc428286722)

[2.4. REQ-UR-64 7](#_Toc428286723)

[2.5. REQ-UR-63 7](#_Toc428286724)

[2.6. REQ-UR-62 [Mandatory] 8](#_Toc428286725)

[2.7. REQ-UR-61 [Mandatory] 8](#_Toc428286726)

[2.8. REQ-UR-60 [Optional] 8](#_Toc428286727)

[2.9. REQ-UR-59 [Mandatory] 9](#_Toc428286728)

[2.10. REQ-UR-57 [Mandatory] 9](#_Toc428286729)

[2.11. REQ-UR-56 [Mandatory] 9](#_Toc428286730)

[2.12. REQ-UR-55 [Desirable] 10](#_Toc428286731)

[2.13. REQ-UR-54 [Mandatory] 10](#_Toc428286732)

[2.14. REQ-UR-WP6-44 10](#_Toc428286733)

[2.15. REQ-UR-WP6-43 10](#_Toc428286734)

[2.16. REQ-UR-24 [Mandatory] 11](#_Toc428286735)

[2.17. REQ-UR-WP3-14 11](#_Toc428286736)

[2.18. REQ-UR-WP3-13 11](#_Toc428286737)

[2.19. REQ-UR-WP3-12 12](#_Toc428286738)

[2.20. REQ-UR-WP3-11 12](#_Toc428286739)

[2.21. REQ-UR-WP3-10 12](#_Toc428286740)

[2.22. REQ-UR-WP3-9 13](#_Toc428286741)

[2.23. REQ-UR-WP3-8 13](#_Toc428286742)

[2.24. REQ-UR-WP3-7 13](#_Toc428286743)

[2.25. REQ-UR-WP3-6 13](#_Toc428286744)

[2.26. REQ-UR-WP3-5 14](#_Toc428286745)

[2.27. REQ-UR-WP3-4 14](#_Toc428286746)

[2.28. REQ-UR-WP3-3 14](#_Toc428286747)

[2.29. REQ-UR-WP3-2 14](#_Toc428286748)

[References 16](#_Toc428286749)

[Appendixes 17](#_Toc428286750)

1. Introduction
   1. Role of the deliverable

A common **Software Requirements Document** (SRD, alias D1.6.2) derived from the previous User Requirements Document will identify and prioritize the functional and non-functional requirements for the ModelWriter IDE, addressing the selected User Requirements. This SRD will also include the technical environment necessary e.g. for Task T6.7 from OBEO.

A progress meeting chaired by UNIT (but hosted by SOGETI) was organized for the technology developers (represented by WP2 to WP4 leaders) to share and explain to all participating project partners what are the ModelWriter platform features and non-functional requirements which are proposed for research and implementation

This document is the first version of the software requirements collected from technical work packages. It may be up-dated depending on the further details and requirements.

The **Software Requirements Document** (SRD) (D1.6.2) is automatically compiled from the issue list of the public “Requirements” repository of ModelWriter’s GitHub organization[[1]](#footnote-1). The information about confirmed requirements and the prioritization of the requirements are programmatically gathered from the public ‘waffle’ scrum board of the “Requirements” repository[[2]](#footnote-2).

* 1. The List of Technical Work Packages

|  |  |
| --- | --- |
| UC Code | Requirements derived from |
| WP2 | Semantic Parsing and Generation of Documents and Documents Components |
| WP3 | Model to/from Knowledge Base (synchronization mechanism) |
| WP4 | Knowledge Base Design and Implementation |
| WP6 | Architecture, Integration and Evaluation |

* 1. The List of Use Cases

|  |  |
| --- | --- |
| UC Code | Requirements derived from |
| UC-FR-01 | Synchronization between Models and Documentation |
| UC-FR-02 | Enterprise Architecture |
| UC-FR-03 | Synchronization of regulation documentation with a design rule repository |
| UC-FR-04 | Production of a context specific design document |
| UC-TR-01 | Production of a proposal in response to an IPA Invitation To Tender |
| UC-TR-02 | Collaborative production of a proposal for an IPA project |
| UC-TR-03 | Synchronization of ReqIF/Clafer models with requirement specifications |
| UC-TR-04 | Requirement Engineering for System Modelling |
| UC-TR-05 | Synchronous Business Process Design with Use Cases |
| UC-BE-01 | Requirements IT |
| UC-BE-02 | Automated Test Generation |

* 1. Conventions

The requirements are prefixed by “REQ-SR-WPz-xxx”, and are written in a roman typeface, where “REQ” stands for “Requirement”, “SR” indicates “Software Requirements”, “z” stands for the number of work package where the requirement is originated and “xxx” is the positive integer identifier of the requirement. You can add this id (xxx) which is unique entire ‘requirements’ repository, at the end of <https://github.com/ModelWriter/Requirements/issues/> to access the latest version of the requirement.

* 1. Structure of the document

This document is organized as follows:

Chapter 1 introduces the document.

Chapter 2 describes each requirements.

* 1. Terms, abbreviations and definitions

|  |  |
| --- | --- |
| Abbreviation | Definition |
| RDF | Resource Description Framework |
| WP | Work Package |
| UC | Use Case |
| BPMN | Business Process Monde & Notation |
| ReqIF | Requirements Interchange Format |
| RMF | Requirements Modeling Framework |
| SBVR | Semantics Of Business Vocabulary And Rules |

1. Software Requirements

References

N/A

Appendixes

N/A

1. [https://github.com/ModelWriter/Requirements/issues](https://github.com/ModelWriter/Requirements/issues?q=label:%22User+Requirements+Document+(URD)%22) [↑](#footnote-ref-1)
2. [https://waffle.io/modelwriter/requirements](https://waffle.io/modelwriter/requirements?label=User%20Requirements%20Document%20(URD)) [↑](#footnote-ref-2)