

MEETING MINUTES

ITEA2-ModelWriter-13028 Project



Date	Subject	Location
2015.03.02	D6.1.1 Software: Prototype Core ModelWriter	Teleconference (Google Hangout)

Attendees:

Name	Function	Company	Attendance
Ferhat Erata [FE]	Project Leader	UNIT	Yes
Moharram Challenger [MC]	Secondary Contact	UNIT	Yes
Etienne Juliot [EJ]	French Consortium Coordinator	OBE0	No
Marwa Rostren [MR]	Technical Contact	OBE0	Yes
Prof. Erhan Mengüsoğlu [EM]	Turkish Consortium Coordinator	MANTIS	Yes
Anne Monceaux [AM]	Technical Contact	AIRBUS	Yes
Samuel Cruz Lara [SL]	Secondary Contact	LORIA	No
Claire Gardent [SC]	Primary Contact	LORIA	Yes
Prof. Geylani Kardaş [GK]	Technical Contact and Consultant	KOCSISTEM	No
Mehmet Önat [MO]	Primary Contact Point	KOCSISTEM	No
Hale Gezgen [HG]	Secondary Contact Point	KOCSISTEM	No
Ersan Gürdoğan [EG]	Secondary Contact Point	HISBIM	Yes
Taşkın Kızıl [TK]	Primary Contact Point	HIBIM	No
Oğuz Yıldız [OY]	Technical Contact	HISBIM	No
Emil Khamitov [EK]	Technical Contact	UNIT	No
Prof. Hans Vangheluwe [HV]	Consultant	UNIT	No
Prof. Monique Snoeck [MS]	Belgian Consortium Leader	KUL2	No
Prof. Sien Moens [SM]	Secondary Contact	KUL1	No

Agenda:

Topic	Comment
The PoC ModelWriter which is developed in the context of UC-TR-03: Requirements <-> Domain Model has been introduced by Ferhat Erata (UNIT)	<p>The ModelWriter Requirements <-> Domain Model is developed by UNIT ModelWriter project team.</p> <p>Functionalities:</p> <ol style="list-style-type: none">1. Parses software requirements document content stored in .docx format considering its text formatting (such as heading styles and paragraphs)

	<p>2. Generates ReqModel files which is a simplified version of Requirement Metamodels.</p> <p>3. Visualizes the .reqmodel files with a GMF-based Graphical Concrete Syntax.</p> <p>4. EMF tree based and GMF-based editor allows for editing the .reqmodel files.</p> <p>5. Regenerates the same document which also includes the changes.</p> <p><u>Introduction:</u></p> <ol style="list-style-type: none"> 1. Present Requirement Metamodel 2. Present Requirement Document Structure <p><u>Components:</u></p> <ol style="list-style-type: none"> 1. Syntactic Parser 2. Syntactic Generator 3. Abstract and Concrete syntax <p><u>Demo:</u></p> <ol style="list-style-type: none"> 1. Show Forward Transformation ".docx -> .reqmodel" Knowledge Base (which is Requirement Metamodel of our domain) 2. Create Concrete Syntax ".reqmodel -> reqmodel_diagram" (a concrete syntax refines textarea sections which are not relevant to our domain) 3. Show Backward Transformation ".reqmodel -> .docx" <p><u>Conclusion:</u></p> <ol style="list-style-type: none"> 1. We need to extract structural and relational information using the formatting of the word (docx) and markdown (.md) files. 2. Text stored within the description or text area needs further semantic parsing. <p><u>Shortcomings</u></p> <ul style="list-style-type: none"> * No synchronization, purely transformational * No traceability links * No semantic parsing of the sentences. * semantic parsing may help to inference dependency links between requirements. <p>* We are not sure how to use semantic knowledge in this scenarios (is it to find concepts and their relations such as Equipment, signal, state, system, category ...) we don't know to use links which are constructed by the user between model and text?</p>
<p>The Branch of the PoC developed by UNIT</p>	<p>https://github.com/ModelWriter/WP6/tree/develop/Docx-to-ReqModelConverter</p>

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Intent Project as a Prototype and Poi prototype are introduced by Marwa Rostren (OBEO)	<p>This project is developed by Obeo teams and can be considered as a prototype of ModelWriter project since its objective conforms to the ModelWriter project objectives. Dealing with natural languages and Models synchronization, with collaborative modes and use advanced tools to keep documents alive during the projects life cycle.</p> <p>The Modelwriter poi prototype is developed by Obeo teams and deals with:</p> <ol style="list-style-type: none"> 1. parsing document contents to extract their contents and their styles. 2. writing output document contents basing on calculated text content and basing on already existing styles of the input document. <p>This prototype is available on github WP6 repository</p>
The Branch of the PoC developed by OBEO	<p>https://github.com/ModelWriter/WP6/tree/D6.1.1-SoftwarePrototypeCoreModelWriter</p> <p>git://git.eclipse.org/gitroot/intent/org.eclipse.mylyn.docs.intent.main.git</p>

Action plan:

Item	Assigned to	Due Date
UNIT will provide input for the PoC of Requirements <-> Domain Model on its section in the 'D6.1.1 - Software Prototypes Deliverable Description' document	[FE]	2015-03-05

Distribution:

Name <Email>, Function
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