

Requirements ranking in the CONTEXT background

Context: Teacher or Researcher

Usage: Undergraduate Student

Context: Engineer from Industry

Rank	Requirements	Values	Rank	Requirements	Values	Rank	Requirements	Values
1	jUCMNav's Web site shall include examples (GRL with strategies, UCM with scenarios, models integrating GRL and UCM)	92	1	Movable labels for UCM stub IN/OUT segments	46			
2	Copying/pasting part of GRL diagrams across diagrams in the same model	87	2	Movable labels for GRL contribution labels	44			
3	Copying/pasting part of UCM diagrams across diagrams in the same model	86	3	A hierarchical navigation view (where are we in the tree of maps/submaps)	44			
4	Exporting UCM scenarios to UML sequence diagrams	85	4	Multi-line labels in UCM responsibilities and components	43			
5	Exporting UCM models to UML use case diagrams	84	5	Reorder the GRL diagrams/UCM maps (in the Outline and in the multipage editor)	43			
6	jUCMNav's documentation shall cover GRL strategy usage	84	6	Movable labels for GRL satisfaction labels	43			
7	User-defined links between GRL and UCM elements	84	7	Copying/pasting part of UCM diagrams across diagrams in the same model	41			
8	Saving URN models to metamodel-independent XML-based file format	84	8	Copying/pasting part of GRL diagrams across diagrams in the same model	41			
9	Loading URN models from metamodel-independent XML-based file format	84	9	Local variables for components in scenario definitions	41			
10	A hierarchical navigation view (where are we in the tree of maps/submaps)	82	10	Local variables for plug-ins in scenario definitions	41			
11	Copying/pasting part of GRL diagrams (images) to external tools such as Word without using the export wizard.	82	11	Adding "Negate all others" (else) to conditions in UCM OR-forks and stubs	40			
12	Reference to "parent" component in UCM plug-ins	82	12	Copying/pasting part of UCM diagrams across models	39			
13	Exporting UCM models to UML activity diagrams	81	13	Copying/pasting part of GRL diagrams across models	38			
14	jUCMNav's documentation shall cover GRL model editing	81	14	Indicating order of plug-in traversal where one or more plug-ins of a stub are traversed multiple times during the execution of one scenario	37			
15	Copying/pasting part of UCM diagrams (images) to external tools such as Word without using the export wizard.	81	15	Exporting UCM scenarios to DOORS (in DXL)	37			
16	Copying/pasting part of UCM diagrams across models	81	16	Displaying the result of the traversal of multiple scenarios	36			
17	Collapsing GRL actors and their content	78	17	Exporting URN reports in MS Word (e.g. RTF)	36			
18	Exporting URN images in SVG format (Scalable Vector Graphics)	78	18	Exporting URN reports to one flat HTML file (instead of current multi-file, hierarchical HTML documents)	35			
19	Meta-information (tagged values) attached to URN elements	78	19	Collapsing GRL actors and their content	35			
20	GRL numerical contributions (beyond current help, make, hurt ...)	77	20	Collapsing UCM components and their content	35			
21	Visual user-defined comments (post notes) for UCM diagrams	76	21	UCM scenario/map flattening (expand stubs)	34			
22	GRL strategies integrated with UCM scenario definitions	76	22	GRL numerical contributions (beyond current help, make, hurt ...)	34			
			23	Semantic variations for UCM traversal (AND-joins, timers, waiting places, ...)	34			

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23	Exporting UCM scenarios to XML	76	24	Exporting UCM scenarios to UML sequence diagrams	34
24	UCM exception mechanism (definitions and handling)	75	25	Exporting UCM scenarios to XML	34
25	jUCMNav's Web site shall include training material (exercises and solutions) for creating and analyzing URN models	75	26	jUCMNav shall include help for all its wizards	33
26	Usable auto-layout of GRL diagrams	74	27	Coverage analysis of multiple scenarios	33
27	Distinguishing UCM plug-in maps that are the same instance from those that are different instances	74	28	Time concept in URN	33
28	The duplication of GRL diagrams	73	29	GRL strategies integrated with UCM scenario definitions	33
29	Showing GRL conflict resolutions and other decisions in the Problems view	73	30	UCM empty responsibilities	33
30	Collapsing UCM components and their content	72	31	Code completion for UCM responsibility/condition code editor	33
31	Exporting UCM scenarios to Message Sequence Charts	72	32	Exporting UCM models to UML use case diagrams	33
32	Movable labels for GRL contribution labels	72	33	Importing UCM models from ASP.NET code	33
33	UCM component classes and instances	72	34	The inclusion of a textual use case editor	33
34	Closable panels/tabs for URN models with a large number of diagrams	70	35	Automated combination and execution of each scenario in group A with each scenario in group B (or potentially, each scenario in the model with all other scenarios)	33
35	The duplication of UCM diagrams	70	36	Performance annotations	32
36	Highlighting of start/end points and in/out-paths when moving from stub to plug-in map and back	70	37	UCM events on start points, waiting places, and timers	32
37	Exporting URN model information to HTML (in addition of images)	70	38	Exporting URN model information to HTML (in addition of images)	32
38	The application of UCM reengineering patterns	70	39	Exporting UCM models to UML activity diagrams	32
39	Centered labels in GRL intentional elements	70	40	Importing UCM models from .NET code	32
40	The use of resizable fonts for URN models	70	41	Arrow to empty-point transformation in UCM diagrams	32
41	Merging URN models	70	42	Interactive selection (by user) of alternatives in non-deterministic locations when executing a UCM scenario	32
42	Exporting UCM models to BPEL (Business Process Execution Language)	70	43	Loading UCM models from old UCMNav files	31
43	Extracting a stub with a plug-in from a selection of UCM elements (refactoring)	69	44	Collapse/expand all in the Outline view	31
44	Exporting URN diagrams in PS/PDF	69	45	String data type for scenatio definitions	31
45	Aspect-oriented concepts and notation for UCM	69	46	The application of UCM reengineering patterns	31
46	Exporting UCM models to BPMN (Business Process Modeling Notation)	69	47	Showing GRL conflict resolutions and other decisions in the Problems view	31
47	Exporting GRL strategies to HTML	68	48	UCM dynamic components (slots) and	31
48	GRL dependencies between actors -	68			

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Rank	Requirements	Values	Rank	Requirements	Values
	expanding/hiding actor details			dynamic responsibilities	
49	Coverage analysis of multiple scenarios	67	49	User-defined links between GRL and UCM elements	31
50	Groups of stubs which share the same plug-in instance and optional merging of plug-in bindings for those stubs	67	50	UCM stub references (separate from stub definition)	31
51	Exporting URN reports in PS/PDF	67	51	Closable panels/tabs for URN models with a large number of diagrams	30
52	Multi-line labels in UCM responsibilities and components	66	52	Meta-information (tagged values) attached to URN elements	30
53	Exporting URN reports to one flat HTML file (instead of current multi-file, hierarchical HTML documents)	66	53	Extracting a stub with a plug-in from a selection of UCM elements (refactoring)	30
54	Aspect-oriented concepts and notation for GRL	66	54	Optional rectangles around images during export	30
55	A component tree view (showing the containment relationships in components)	65	55	Exporting URN diagrams in PS/PDF	30
56	Cropping images to eliminate surrounding white space during export	65	56	Exporting UCM scenarios to Message Sequence Charts	30
57	Usable auto-layout of UCM diagrams	65	57	Reference to "parent" component in UCM plug-ins	29
58	Semantic variations for UCM traversal (AND-joins, timers, waiting places, ...)	65	58	UCM component stacks	29
59	Movable labels for GRL satisfaction labels	64	59	Taking the direction of the UCM path into account when adding a branch to a stub or a fork	29
60	Indicating order of plug-in traversal where one or more plug-ins of a stub are traversed multiple times during the execution of one scenario	64	60	UCM exception mechanism (definitions and handling)	29
61	Time concept in URN	64	61	The automatic deletion of unused UCM components and responsibilities	29
62	Adding labels (yellow triangle) to GRL elements when URN links are defined	64	62	Usable auto-layout of UCM diagrams	28
63	Viewing only the result of a UCM scenario traversal	63	63	Usable auto-layout of GRL diagrams	28
64	Exporting UCM scenarios to DOORS (in DXL)	63	64	Cropping images to eliminate surrounding white space during export	28
65	UML class diagrams for describing domain models	63	65	The selectable visualization of GRL graphical and textual contribution/satisfaction labels globally	28
66	Optional rectangles around images during export	62	66	Exporting URN reports in PS/PDF	28
67	Copying/pasting part of GRL diagrams across models	62	67	Exporting GRL strategies to HTML	27
68	Displaying the result of the traversal of multiple scenarios	62	68	Copying/pasting part of UCM diagrams (images) to external tools such as Word without using the export wizard.	27
69	The inclusion of a textual use case editor	62	69	Copying/pasting part of GRL diagrams (images) to external tools such as Word without using the export wizard.	27
70	The selectable visualization of GRL graphical and textual contribution/satisfaction labels globally	62	70	Responsibility to stub transformation in UCM diagrams	27
71	Exporting URN reports in MS Word	61	71	The duplication of GRL diagrams	27
			72	The duplication of UCM diagrams	27
			73	jUCMNav's Web site shall include	26

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	(e.g. RTF)			training material (exercises and solutions) for creating and analyzing URN models	
72	Performance annotations	61			
73	UCM events on start points, waiting places, and timers	61	74	A component tree view (showing the containment relationships in components)	26
74	Reorder the GRL diagrams/UCM maps (in the Outline and in the multipage editor)	58	75	Viewing only the result of a UCM scenario traversal	26
75	UCM scenario/map flattening (expand stubs)	58	76	Definition of root map for a feature/use case plus automatic listing of all plug-in maps reached from the defined root map	26
76	UCM stub references (separate from stub definition)	58	77	URN hyperlinks (to/from URLs)	26
77	UCM component parameterization in stubs/plugin-ins	58	78	The combined deletion of definition and of all references of a UCM component, UCM responsibility, GRL actor, GRL intentional element	26
78	Collapse/expand all in the Outline view	57	79	Distinguishing UCM plug-in maps that are the same instance from those that are different instances	26
79	The automatic identification of top-level UCM maps	56	80	Adding labels (yellow triangle) to GRL elements when URN links are defined	25
80	Definition of root map for a feature/use case plus automatic listing of all plug-in maps reached from the defined root map	56	81	Exporting UCM to Fit Nesse test goals	25
81	Importing GRL models from the OpenOME tool (OME uses the same file format)	56	82	jUCMNav's Web site shall include examples (GRL with strategies, UCM with scenarios, models integrating GRL and UCM)	24
82	Diff of URN models (beyond Eclipse's XML diff)	55	83	jUCMNav's documentation shall cover GRL model editing	23
83	UCM component stacks	55	84	jUCMNav's documentation shall cover GRL strategy usage	23
84	Loading UCM models from old UCMNav files	55	85	Exporting URN images in SVG format (Scalable Vector Graphics)	23
85	A central repository with locking mechanism for concurrent development of URN models	55	86	Exporting UCM models to BPMN (Business Process Modeling Notation)	23
86	The combined deletion of definition and of all references of a UCM component, UCM responsibility, GRL actor, GRL intentional element	54	87	Exporting UCM models to BPEL (Business Process Execution Language)	23
87	Local variables for components in scenario definitions	54	88	Exporting UCM models to TTCN-3 test cases	23
88	Movable labels for UCM stub IN/OUT segments	53	89	Saving URN models to metamodel-independent XML-based file format	23
89	Exporting UCM to Fit Nesse test goals	52	90	Loading URN models from metamodel-independent XML-based file format	23
90	String data type for scenario definitions	51	91	UCM component parameterization in stubs/plugin-ins	22
91	Sorting of diagrams in the Outline view	50	92	Exporting UCM models to CSM (Core Scenario Model)	22
92	Interactive selection (by user) of alternatives in non-deterministic locations when executing a UCM scenario	50	93	Sorting of diagrams in the Outline view	21
93	UCM dynamic components (slots) and dynamic responsibilities	50	94	Groups of stubs which share the same	21

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94	jUCMNav shall include help for all its wizards	49		plug-in instance and optional merging of plug-in bindings for those stubs	
95	URN hyperlinks (to/from URLs)	49	95	Changing group for a strategy/scenario	21
96	The generalization and refactoring of the model import API	48	96	A central repository with locking mechanism for concurrent development of URN models	21
97	Local variables for plug-ins in scenario definitions	48	97	GRL dependencies between actors - expanding/hiding actor details	21
98	Responsibility to stub transformation in UCM diagrams	48	98	Aspect-oriented concepts and notation for UCM	21
99	Sorting of diagrams in the Strategies/Scenarios view	48	99	Merging URN models	21
100	Changing group for a strategy/scenario	48	100	The generalization and refactoring of the model import API	21
101	The automatic deletion of unused UCM components and responsibilities	47	101	A scripting language for batch execution and tool interworking	21
102	Automated combination and execution of each scenario in group A with each scenario in group B (or potentially, each scenario in the model with all other scenarios)	47	102	Visual user-defined comments (post notes) for UCM diagrams	20
103	Exporting UCM models to TTCN-3 test cases	47	103	Highlighting of start/end points and in/out-paths when moving from stub to plug-in map and back	20
104	Links to an Architecture Description Language (ADL)	45	104	Collapse/expand all in the Strategies/Scenarios view	20
105	Taking the direction of the UCM path into account when adding a branch to a stub or a fork	44	105	UML class diagrams for describing domain models	20
106	A scripting language for batch execution and tool interworking	44	106	Aspect-oriented concepts and notation for GRL	20
107	UCM empty responsibilities	43	107	Links to an Architecture Description Language (ADL)	20
108	Adding "Negate all others" (else) to conditions in UCM OR-forks and stubs	43	108	UCM component classes and instances	19
109	Importing UCM models from ASP.NET code	43	109	The use of resizable fonts for URN models	19
110	Code completion for UCM responsibility/condition code editor	43	110	Importing GRL models from the OpenOME tool (OME uses the same file format)	19
111	Collapse/expand all in the Strategies/Scenarios view	43	111	Diff of URN models (beyond Eclipse's XML diff)	18
112	Exporting UCM models to CSM (Core Scenario Model)	42	112	Importing UCM models from the Compact Trace Format (CTF)	18
113	Importing UCM models from .NET code	39	113	The automatic identification of top-level UCM maps	17
114	Arrow to empty-point transformation in UCM diagrams	35	114	Sorting of diagrams in the Strategies/Scenarios view	15
115	Importing UCM models from the Compact Trace Format (CTF)	31	115	Centered labels in GRL intentional elements	14