StarContests.com

If it's not here it's not happening.

Traceability Matrix v1.0

Team 8

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Traceability Matrix	23 February, 2015	1.0	Archit, Krupal, Rachit	Soham

DOCUMENT DESCRIPTION

This matrix is a format for tracking requirements. It aims to provide a convenient format that helps to visually represent associations between user requirements for the system built and the work products developed and implemented to verify those requirements. Traceability is used to help ensure solution conformance to requirements and to assist in scope and change management, risk management, time management, cost management, and communication management. It is also used to

detect missing functionality or to identify if implemented functionality is not supported by a specific requirement.

DEFINITION

A traceability matrix is a document, usually in the form of a table, that correlates any two base lined documents that require a many to many relationship to determine the completeness of the relationship. It is often used with high-level requirements (these often consist of marketing requirements) and detailed requirements of the software product to the matching parts of high-level design, detailed design, test plan, and test cases.

The following are the various ways in which a traceability matrix can be developed,

1. It can be created by associating requirements with the work products that satisfy them.

2. It can be established by user requirements against the system requirements.

3. Plotting the functional requirements against the various phases and work products.

The components required for developing a traceability matrix are,

1. Unique identifiers for all the requirements.

2. User entities of the system.

3. Dependencies between the requirements and user entities.

User Entities

UNIQUE IDENTIFIER	USER ENTITY
U1	Admin
U2	Organizer
U3	Sub organizer
U4	Volunteers
U5	Participants
U6	Guest

Functional Requirements

UNIQUE IDENTIFIER	FUNCTIONAL REQUIREMENT
R1	Login
R2	Logout

R3	Forgot password
R4	Change password
R5	Sign up
R6	Invalid password
R7	Error handling
R8	Verification detail
R9	View profile
R10	My organizer profile

R11	My sub organizer profile
R12	My participant profile
R13	View budget
R14	Contest tracking
R15	Update profile/ add profile
R16	Un-enrolling from the event
R17	Route to the venue
R18	Contest result
R19	Contest daily update
R20	Email notification to users about event updates
R21	Contact the organizer
R22	My committee

R23	Achievements
R24	Promote contest
R25	Update profile
R26	View Calendar
R27	Update budget and expenses
R28	Be a volunteer
R29	Be a sub organizer
R30	Add to my calendar
R31	Update schedule of the event
R32	Find event by category
R33	Search events by location
R34	Change the notification settings
R35	Get email notifications according to interests
R36	Chat with my committee
R37	Create contest(organizer,sub-organizer)
R38	Send updates about the events(organizer)
R39	Viewing participants list
R40	Manage event
R41	Cancelling the event

SOURCE TRACEABILITY MATRIX

	U1	U2	U3	U4	U5	U6
R1	.	.	.	.	.	
R2	.	.	.	.	.	
R3	.	.	.	.	.	
R4	.	.	.	.	.	
R5	.	.	.	.	.	
R6	.	.	.	.	.	
R7	.	.	.	.	.	
R8	.	.	.	.	.	
R9	.	.	.	.	.	
R10		.				
R11			.			

R12				.		
R13		.	.			
R14	.	.	.	.	.	.
R15	.	.	.	.	.	
R16					.	
R17	.	.	.	.	.	.
R18	.	.	.	.	.	.
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R23	.	.	.		.	
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R26						
R27		.	.			
R28				.		
R29				.		
R30		.	.			
R31		.	.			
R32	.	.	.	.	.	.
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R34	.	.	.	.	.	
R35	.	.	.	.	.	
R36		.	.	.		
R37		.	.			
R38		.	.	.		
R39		.	.	.		

R40		.	.			
R41		.				