

Change Summary Table

Version	Name	Date	Description
1.0	Hot Java	05/03/2020	Backward Tracing Matrix
1.1	Hot Java	05/04/2020	Forward Tracing Matrix
1.2	Cynthia Sustaita Lauren Eagan Joaquin Hidalgo Fernando Marquez	05/05/2020	Modified both Backward tracing matrix and forward tracing matrix based on Elsa's feedback (added column of needs)
1.3	Cynthia Sustaita Lauren Eagan Joaquin Hidalgo Fernando Marquez	05/06/2020	Completed forward and backward matrices and the report itself

Traceability Report

Through analysis of the forward and backward tracing matrices, we found that all of the requirements in the SRS (Section 3.2.2) can be traced back to an artifact. These artifacts include the RDD, validated memos, documented feedback from the client's presentations, and T11 Interview Report. However, it was found that some of the needs were untraceable. The justification for these is further explained in Table 1.

Table 1. Needs Report

Needs	Is it justified?	Is it derived?	What was the source?
Need 7: The analysts will have the ability to sort their tasks.	Untraceable in section's 3.2.2 requirements, however, it's traceable to user interface requirement ([SRS 6]).	No	RDD
Need 9: The system should allow an analyst to promote a subtask to a task.	Untraceable in section's 3.2.2 requirements, however, it's traceable to user interface requirements. ([SRS 72])	No	Interview Report
Need 10: The system should allow an analyst to demote a task to a subtask	Untraceable in section's 3.2.2 requirements, however, it's traceable to user interface requirements. ([SRS 54])	No	Team Memo 6 Interview Report
Need 14: The system should automatically	Storage details other than hard drives have not been further	No	Team Memo 6

store completed events.	clarified with the clients.		
Need 15: The lead must have the ability to re-open old events.	Storage details other than hard drives have not been further clarified with the clients.	No	Interview Report
Need 19: Lead analysts must have the ability to schedule a syncing of data.	It has been clarified with the client that they do not wish to schedule any syncing of data.	Yes. It is derived from the sync function.	Team Memo 2 Interview Report
Need 20: The analysts will have the ability to push data.	Untraceable in section's 3.2.2 requirements, however, it's traceable to user interface requirements. ([SRS 7])	Yes. The analysts must have the ability to sync. Syncing was broken down into two branches: push and pull.	RDD Interview Report
Need 21: The analysts should have the ability to pull data.	Untraceable in section's 3.2.2 requirements, however, it's traceable to user interface requirements. ([SRS 7])	Yes. The analysts must have the ability to sync. Syncing was broken down into two branches: push and pull.	RDD Interview Report
Need 22: System must allow analysts to transfer data wirelessly.	The reason this need is untraceable is because it is apart of the back-end of the system thus not having an artifact attached	No	Interview Report
Need 26: Analysts' must have the ability to receive or send information between	Through clarification with the clients this was no longer a need.	No	Memo 1

users through notifications (lead to analyst, analyst to lead, and analyst to analyst).			
Need 32: The analysts will have the ability to search by criteria for a specific finding.	Untraceable in section's 3.2.2 requirements, however, it's traceable to user interface requirements. ([SRS 6])	Yes, it is derived from the search function.	RDD Interview Report
Need 40: The system must be developed as a web application.	This need was not explicitly stated in any of the requirements, however it is modeled in the SRS User Interface Requirements in Figures 1 - 15.	No	Team Memo 1 Interview Report
Need 41: The system should have dual compatibility to be supported on both Linux and Windows.	This is consider as a client's need, we're currently in the requirements phase, therefore implementation hasn't been fully discussed with the clients;	No	Team Memo 1 Interview Report
Need 42: The system should log every interaction of the user.	Untraceable in section's 3.2.2 requirements, however, it's traceable to the Stimulus requirements for UI.	No	Cloud 9 Memo 1
Need 43: The lead analyst should have	Untraceable in section's 3.2.2 requirements,	No	Team Memo 2

the ability to delete an entire event.	however, it's traceable to user interface requirements. ([SRS 25])		
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