Smart Quiz

Traceability Record

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*SK= Supawit Kumjina

*JH = Jayakrit Hirisajja

Contents

Chapter One | Traceability Matrix

Traceability matrix to show relation between User requirement specification and system requirement specification

System requirement speciation	URS-01	URS-02	URS-03	URS-04	URS-05	URS-06	URS-07	URS-08	URS-09	URS-10	URS-11	URS-12	URS-13	URS-14	URS-15	URS-16	URS-17	URS-18	URS-19	URS-20	URS-21	URS-22	URS-23	URS-24
SRS-01	■																							
SRS-02	■																							
SRS-03	■																							
SRS-04	■																							
SRS-05	■																							
SRS-06	■																							
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SRS-19		■																						
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SRS-22		■																						
SRS-23		■																						
SRS-24		■																						
SRS-25		■																						

System requirement speciation	URS-01	URS-02	URS-03	URS-04	URS-05	URS-06	URS-07	URS-08	URS-09	URS-10	URS-11	URS-12	URS-13	URS-14	URS-15	URS-16	URS-17	URS-18	URS-19	URS-20	URS-21	URS-22	URS-23
SRS-26			■																				
SRS-27			■																				
SRS-28			■																				
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SRS-37			■																				
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SRS-42				■																			
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SRS-46				■																			
SRS-47				■																			
SRS-48				■																			
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SRS-50					■																		
SRS-51					■																		
SRS-52					■																		
SRS-53					■																		

System requirement speciation	URS-01	URS-02	URS-03	URS-04	URS-05	URS-06	URS-07	URS-08	URS-09	URS-10	URS-11	URS-12	URS-13	URS-14	URS-15	URS-16	URS-17	URS-18	URS-19	URS-20	URS-21	URS-22	URS-23
SRS-54					■																		
SRS-55					■																		
SRS-56					■																		
SRS-57					■																		
SRS-58					■																		
SRS-59					■																		
SRS-60					■																		
SRS-61						■		■		■													
SRS-62						■		■		■													
SRS-63						■		■		■													
SRS-64						■																	
SRS-65						■																	
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SRS-67							■																
SRS-68							■																
SRS-69							■																
SRS-70							■																
SRS-71								■															
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SRS-73								■															
SRS-74								■															
SRS-75									■														
SRS-76									■														
SRS-77									■														
SRS-78									■														
SRS-79										■													
SRS-80										■													
SRS-81										■													

System requirement speciation	URS-01	URS-02	URS-03	URS-04	URS-05	URS-06	URS-07	URS-08	URS-09	URS-10	URS-11	URS-12	URS-13	URS-14	URS-15	URS-16	URS-17	URS-18	URS-19	URS-20	URS-21	URS-22	URS-23
SRS-82											■												
SRS-83											■												
SRS-84											■												
SRS-85											■												
SRS-86												■											
SRS-87												■											
SRS-88												■											
SRS-89													■										
SRS-90													■										
SRS-91													■										
SRS-92														■									
SRS-93														■									
SRS-94														■	■								
SRS-95														■	■								
SRS-96														■	■								
SRS-97														■									
SRS-98														■									
SRS-99														■									
SRS-100															■	■							
SRS-101															■	■							
SRS-102															■								
SRS-103															■								
SRS-104															■								
SRS-105															■								
SRS-106																■							
SRS-107																■							
SRS-108																■							
SRS-109																	■	■	■				

System requirement speciation	URS-15	URS-16	URS-17	URS-18	URS-19	URS-20	URS-21	URS-22	URS-23	URS-24	URS-25	URS-26	URS-27	URS-28	URS-29	URS-30	URS-31	URS-32	URS-33	URS-34	URS-35	URS-36	URS-37
SRS-110			X	X	X																		
SRS-111			X	X																			
SRS-112			X	X																			
SRS-113			X	X																			
SRS-114			X	X																			
SRS-115			X																				
SRS-116			X																				
SRS-117			X																				
SRS-118			X																				
SRS-119			X																				
SRS-120			X																				
SRS-121				X	X																		
SRS-122				X	X																		
SRS-123				X																			
SRS-124				X																			
SRS-125				X																			
SRS-126				X																			
SRS-127				X																			
SRS-128				X																			
SRS-129				X																			
SRS-130					X																		
SRS-131					X																		
SRS-132					X																		
SRS-133						X																	
SRS-134						X																	
SRS-135						X																	
SRS-136							X																
SRS-137							X																

System requirement speciation	URS-15	URS-16	URS-17	URS-18	URS-19	URS-20	URS-21	URS-22	URS-23	URS-24	URS-25	URS-26	URS-27	URS-28	URS-29	URS-30	URS-31	URS-32	URS-33	URS-34	URS-35	URS-36	URS-37
SRS-138							■																
SRS-139							■																
SRS-140							■																
SRS-141							■																
SRS-142							■																
SRS-143							■																
SRS-144							■																
SRS-145							■																
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SRS-147							■																
SRS-148							■																
SRS-149							■																
SRS-150							■																
SRS-151							■																
SRS-152							■																
SRS-153								■															
SRS-154								■															
SRS-155								■															
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SRS-158								■															
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SRS-160								■															
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SRS-162									■														
SRS-163									■														
SRS-164									■														
SRS-165										■													

System requirement speciation	URS-18	URS-19	URS-20	URS-21	URS-22	URS-23	URS-24	URS-25	URS-26	URS-27	URS-28	URS-29	URS-30	URS-31	URS-32	URS-33	URS-34	URS-35	URS-36	URS-37	URS-38	URS-39	URS-40
SRS-166							X																
SRS-167							X																
SRS-168							X																
SRS-169							X																
SRS-170								X															
SRS-171								X															
SRS-172								X															
SRS-173								X															
SRS-174								X															
SRS-175								X															
SRS-176									X														
SRS-177										X													
SRS-178											X	X	X	X	X								
SRS-179											X	X	X	X	X	X							
SRS-180											X	X	X	X	X	X							
SRS-181											X												
SRS-182											X												
SRS-183											X												
SRS-184												X											
SRS-185												X											
SRS-186												X											
SRS-187													X										
SRS-188													X										
SRS-189														X									
SRS-190														X									
SRS-191															X								
SRS-192															X								
SRS-193																X							

System requirement speciation	URS-18	URS-19	URS-20	URS-21	URS-22	URS-23	URS-24	URS-25	URS-26	URS-27	URS-28	URS-29	URS-30	URS-31	URS-32	URS-33	URS-34	URS-35	URS-36	URS-37	URS-38	URS-39	URS-40
SRS-194																X							
SRS-195																X							
SRS-196																	X						
SRS-197																	X						
SRS-198																	X						
SRS-199																		X					
SRS-200																		X					
SRS-201																			X				
SRS-202																			X				
SRS-203																			X				
SRS-204																				X			
SRS-205																				X			
SRS-206																					X	X	X
SRS-207																					X		
SRS-208																					X		
SRS-209																						X	
SRS-210																						X	
SRS-211																							X
SRS-212																							X

Traceability matrix to show relation between User requirement specification and Use case Description

Use case Diagram	URS-01	URS-02	URS-03	URS-04	URS-05	URS-06	URS-07	URS-08	URS-09	URS-10	URS-11	URS-12	URS-13	URS-14	URS-15	URS-16	URS-17	URS-18	URS-19	URS-20	URS-21	URS-22	URS-23	URS-24
UC-01	X																							
UC-02		X																						
UC-03			X																					
UC-04				X																				
UC-05					X																			
UC-06						X		X		X														
UC-07							X		X		X													
UC-08												X												
UC-09													X											
UC-10														X										
UC-11															X									
UC-12																X								
UC-13																	X							
UC-14																		X						
UC-15																			X					
UC-16																				X				
UC-17																					X			
UC-18																					X			
UC-19																						X	X	
UC-20																								
UC-21																								
UC-22																								
UC-23																								
UC-24																								
UC-25																								

Use case Description	URS-18	URS-19	URS-20	URS-21	URS-22	URS-23	URS-24	URS-25	URS-26	URS-27	URS-28	URS-29	URS-30	URS-31	URS-32	URS-33	URS-34	URS-35	URS-36	URS-37	URS-38	URS-39	URS-40
UC-20							■																
UC-21								■															
UC-22									■														
UC-23										■													
UC-24											■												
UC-25												■											
UC-26													■										
UC-27														■									
UC-28															■								
UC-29																■							
UC-30																	■						
UC-31																		■					
UC-32																			■				
UC-33																				■			
UC-34																					■		
UC-35																						■	
UC-36																							■

Traceability matrix to show relation between User requirement specification and Activity Diagram

Activity Diagram	URS-01	URS-02	URS-03	URS-04	URS-05	URS-06	URS-07	URS-08	URS-09	URS-10	URS-11	URS-12	URS-13	URS-14	URS-15	URS-16	URS-17	URS-18	URS-19	URS-20	URS-21	URS-22	URS-23	URS-24
AC-01	▓																							
AC-02		▓																						
AC-03			▓																					
AC-04				▓																				
AC-05					▓																			
AC-06						▓		▓		▓														
AC-07							▓		▓		▓													
AC-08												▓												
AC-09													▓											
AC-10														▓										
AC-11															▓									
AC-12																▓								
AC-13																	▓							
AC-14																		▓						
AC-15																			▓					
AC-16																				▓				
AC-17																					▓			
AC-18																					▓			
AC-19																						▓	▓	
AC-20																								
AC-21																								
AC-22																								
AC-23																								
AC-24																								
AC-25																								

Activity Diagram	URS-18	URS-19	URS-20	URS-21	URS-22	URS-23	URS-24	URS-25	URS-26	URS-27	URS-28	URS-29	URS-30	URS-31	URS-32	URS-33	URS-34	URS-35	URS-36	URS-37	URS-38	URS-39	URS-40
AC-20							■																
AC-21								■															
AC-22									■														
AC-23										■													
AC-24											■												
AC-25												■											
AC-26													■										
AC-27														■									
AC-28															■								
AC-29																■							
AC-30																	■						
AC-31																		■					
AC-32																			■				
AC-33																				■			
AC-34																					■		
AC-35																						■	
AC-36																							■

Traceability matrix to show relation between User requirement specification and Sequence Diagram

Sequence Diagram	URS-01	URS-02	URS-03	URS-04	URS-05	URS-06	URS-07	URS-08	URS-09	URS-10	URS-11	URS-12	URS-13	URS-14	URS-15	URS-16	URS-17	URS-18	URS-19	URS-20	URS-21	URS-22	URS-23	URS-24
SD-01	■																							
SD-02		■																						
SD-03			■																					
SD-04				■																				
SD-05					■																			
SD-06						■		■		■														
SD-07												■												
SD-08													■											
SD-09														■										
SD-10															■									
SD-11																■								
SD-12																	■							
SD-13																		■						
SD-14																			■					
SD-15																				■				
SD-16																					■			
SD-17																						■		
SD-18																							■	
SD-19																								■

Sequence Diagram	URS-18	URS-19	URS-20	URS-21	URS-22	URS-23	URS-24	URS-25	URS-26	URS-27	URS-28	URS-29	URS-30	URS-31	URS-32	URS-33	URS-34	URS-35	URS-36	URS-37	URS-38	URS-39	URS-40
SD-20								■															
SD-21									■														
SD-22										■													
SD-23											■												
SD-24																			■		■		
SD-25																				■		■	
SD-26																							■
SD-27																							

Traceability matrix to show relation between User requirement specification and User Interface

User Interface	URS-01	URS-02	URS-03	URS-04	URS-05	URS-06	URS-07	URS-08	URS-09	URS-10	URS-11	URS-12	URS-13	URS-14	URS-15	URS-16	URS-17	URS-18	URS-19	URS-20	URS-21	URS-22	URS-23	URS-24
UI-01	■																							
UI-02		■																						
UI-03			■																					
UI-04				■																				
UI-05					■																			
UI-06						■		■		■														
UI -07												■												
UI -08													■											
UI -09														■	■	■								
UI -10																	■							
UI -11																		■	■					
UI -12																				■				
UI -13																					■			
UI -14																						■	■	
UI -15																								■
UI -16																								
UI -17																								
UI -18																								
UI -19																								
UI -20																								
UI -21																								
UI -22																								

User Interface	URS-18	URS-19	URS-20	URS-21	URS-22	URS-23	URS-24	URS-25	URS-26	URS-27	URS-28	URS-29	URS-30	URS-31	URS-32	URS-33	URS-34	URS-35	URS-36	URS-37	URS-38	URS-39	URS-40
UI -16								■															
UI -17									■	■	■												
UI -18												■	■	■	■	■							
UI -19																	■						
UI -20																		■					
UI -21																			■	■			
UI -22																					■	■	■

Traceability matrix to show relation between User requirement specification and System Test

System Test Case	URS-01	URS-02	URS-03	URS-04	URS-05	URS-06	URS-07	URS-08	URS-09	URS-10	URS-11	URS-12	URS-13	URS-14	URS-15	URS-16	URS-17	URS-18	URS-19	URS-20	URS-21	URS-22	URS-23	URS-24
STC-01			■																					
STC-02	■																							
STC-03					■																			
STC-04				■																				
STC-05		■																						
STC-06						■		■		■														
STC-07							■		■		■													
STC-08														■										
STC-09															■									
STC-10																■								
STC-11																	■							
STC-12																		■						
STC-13																			■					
STC-14													■											
STC-15												■												
STC-16																					■			
STC-17																						■		
STC-18																								
STC-19																								
STC-20																								
STC-21																								
STC-22																								

System Test Case	URS-18	URS-19	URS-20	URS-21	URS-22	URS-23	URS-24	URS-25	URS-26	URS-27	URS-28	URS-29	URS-30	URS-31	URS-32	URS-33	URS-34	URS-35	URS-36	URS-37	URS-38	URS-39	URS-40
STC-23							■	■															
STC-24												■											
STC-25													■										
STC-26																	■						
STC-27														■									
STC-28															■								
STC-29																					■		
STC-30																						■	
STC-31																			■				
STC-32																				■			
STC-33																						■	
STC-34																							■
STC-35																■							
STC-36																	■						

Traceability matrix to show relation between User requirement specification and Unittest

Unit test Case	URS-01	URS-02	URS-03	URS-04	URS-05	URS-06	URS-07	URS-08	URS-09	URS-10	URS-11	URS-12	URS-13	URS-14	URS-15	URS-16	URS-17	URS-18	URS-19	URS-20	URS-21	URS-22	URS-23	URS-24
UTC-01	■																							
UTC-02		■																						
UTC-03		■																						
UTC-04					■								■											
UTC-05					■																			
UTC-06					■																			
UTC-07					■																			
UTC-08						■																		
UTC-09													■							■	■	■		
UTC-10																	■	■			■	■		
UTC-11			■																					
UTC-12				■																				
UTC-13				■																				
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UTC-21										■														
UTC-22															■									
UTC-23												■			■			■		■				
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Document Name	Smart Quiz Traceability record V.2.0.docx	Owner	CS,SK	Page	22 / 28
Document Type	Traceability record	Release Date	16 July 2015	Print Date	

Unit test Case	URS-13	URS-14	URS-15	URS-16	URS-17	URS-18	URS-19	URS-20	URS-21	URS-22	URS-23	URS-24	URS-25	URS-26	URS-27	URS-28	URS-29	URS-30	URS-31	URS-32	URS-33	URS-34	URS-35	URS-36
UTC-26				■																				
UTC-27	■																							
UTC-28	■																							
UTC-29								■																
UTC-30					■																			
UTC-31						■																		
UTC-32							■																	
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UTC-34	■								■															
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UTC-37						■																		
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UTC-42										■														
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UTC-53														■										

Unit test Case	URS-13	URS-14	URS-15	URS-16	URS-17	URS-18	URS-19	URS-20	URS-21	URS-22	URS-23	URS-24	URS-25	URS-26	URS-27	URS-28	URS-29	URS-30	URS-31	URS-32	URS-33	URS-34	URS-35	URS-36
UTC -54														X										
UTC -55																X								
UTC -56																X								
UTC -57																								
UTC -58																								
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UTC -63						X				X														
UTC -64						X				X														
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UTC -69																								
UTC -70																								
UTC -71						X																		
UTC -72		X																						
UTC -73			X																					
UTC -74				X																				
UTC -75					X			X				X												
UTC -76			X																					
UTC -77								X																
UTC -78	X																							
UTC -79						X																		
UTC -80					X																			
UTC -81						X																		

Document Name	Smart Quiz Traceability record V.2.0.docx	Owner	CS,SK	Page	24 / 28
Document Type	Traceability record	Release Date	16 July 2015	Print Date	

Unit test Case	URS-01	URS-02	URS-03	URS-04	URS-05	URS-06	URS-07	URS-08	URS-09	URS-10	URS-11	URS-12	URS-13	URS-14	URS-15	URS-16	URS-17	URS-18	URS-19	URS-20	URS-21	URS-22	URS-23	URS-24
UTC -57	■																							
UTC -58		■																						
UTC -59						■																		
UTC -60					■																			
UTC -61					■																			
UTC -62					■																			
UTC -63																								
UTC -64																								
UTC -65			■																					
UTC -66				■																				
UTC -67					■																			
UTC -68					■																			
UTC -69					■																			
UTC -70					■																			

Unit test Case	URS-13	URS-14	URS-15	URS-16	URS-17	URS-18	URS-19	URS-20	URS-21	URS-22	URS-23	URS-24	URS-25	URS-26	URS-27	URS-28	URS-29	URS-30	URS-31	URS-32	URS-33	URS-34	URS-35	URS-36
UTC -82							■																	
UTC -83									■															
UTC -84									■		■													
UTC -85										■			■											
UTC -86										■														
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UTC -101														■										
UTC -102														■										
UTC -103														■										

Document Name	Smart Quiz Traceability record V.2.0.docx	Owner	CS,SK	Page	26 / 28
Document Type	Traceability record	Release Date	16 July 2015	Print Date	

Unit test Case	URS-18	URS-19	URS-20	URS-21	URS-22	URS-23	URS-24	URS-25	URS-26	URS-27	URS-28	URS-29	URS-30	URS-31	URS-32	URS-33	URS-34	URS-35	URS-36	URS-37	URS-38	URS-39	URS-40
UTC -104																			X		X		X
UTC -105																							X
UTC -106																							
UTC -107																				X		X	
UTC -108																				X		X	
UTC -109																							X
UTC -110																							
UTC -111																				X		X	
UTC -112																			X		X		
UTC -113																				X		X	
UTC -114																							
UTC -115																				X		X	
UTC -116																							
UTC -117																							
UTC -118																							
UTC -119																							
UTC -120																							
UTC -121						X		X			X	X											
UTC -122			X		X																		
UTC -123			X		X																		
UTC -124																							
UTC -125																							
UTC -126																							
UTC -127																							
UTC -128																							
UTC -129																							

Unit test Case	URS-01	URS-02	URS-03	URS-04	URS-05	URS-06	URS-07	URS-08	URS-09	URS-10	URS-11	URS-12	URS-13	URS-14	URS-15	URS-16	URS-17	URS-18	URS-19	URS-20	URS-21	URS-22	URS-23
UTC -116						■	■	■	■	■	■												
UTC -117					■																		
UTC -118					■																		
UTC -119					■																		
UTC -120					■																		
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