Requirements System Traceability Matrix

Require ment	Security Subsyst em	User Activity Subsyst em	User Interface Subsyst em	Moodle Subsyst em	Gamifica tion Subsyst em	Chatbot Subsyst em	Databas e Subsyst em
R1							
R2							
R3							
R4							
R4.1							
R4.1.1			х				
R4.1.2		х					х
R5							
R5.1		х					х
R5.2			х				
R5.3			х				
R6							
R6.1							
R6.1.1			х				
R6.1.2				х			
R6.1.3							
R6.1.3.1				х			
R6.1.3.2				х			
R6.1.3.3				х			
R6.2							
R6.2.1			Х				

R6.2.2 X R6.2.3 X R6.2.4 X R6.2.3.1 X R6.2.3.2 X R6.3 X R6.3.1 X R6.3.2 X R6.3.3 X R6.3.4 X R6.3.3.1 X R6.3.3.2 X R7 X R7.1 X R7.1.1 X R7.1.2 X R7.1.3 X	
R6.2.4 X R6.2.3.1 X R6.2.3.2 X R6.3 X R6.3.1 X R6.3.2 X R6.3.3 X R6.3.4 X R6.3.3.1 X R6.3.3.2 X R7 X R7.1 X R7.1.1 X R7.1.2 X	
R6.2.3.1 X R6.2.3.2 X R6.2.3.3 X R6.3 X R6.3.1 X R6.3.2 X R6.3.3 X R6.3.4 X R6.3.3.1 X R6.3.3.2 X R7 X R7.1 X R7.1.1 X R7.1.2 X	
R6.2.3.2 X R6.2.3.3 X R6.3 X R6.3.1 X R6.3.2 X R6.3.3 X R6.3.4 X R6.3.3.1 X R6.3.3.2 X R7 X R7.1 X R7.1.1 X R7.1.2 X	
R6.2.3.3 X R6.3 X R6.3.1 X R6.3.2 X R6.3.3 X R6.3.4 X R6.3.3.1 X R6.3.3.2 X R7 X R7.1 X R7.1.2 X	
R6.3 X R6.3.1 X R6.3.2 X R6.3.3 X R6.3.4 X R6.3.3.1 X R6.3.3.2 X R7 X R7.1 X R7.1.1 X R7.1.2 X	
R6.3.1 X R6.3.2 X R6.3.3 X R6.3.4 X R6.3.3.1 X R6.3.3.2 X R7 X R7.1 X R7.1.1 X R7.1.2 X	
R6.3.2 X R6.3.3 X R6.3.4 X R6.3.3.1 X R6.3.3.2 X R7 X R7.1 X R7.1.1 X R7.1.2 X	
R6.3.3 X R6.3.4 X R6.3.3.1 X R6.3.3.2 X R7 X R7.1 X R7.1.1 X R7.1.2 X	
R6.3.4 X R6.3.3.1 X R6.3.3.2 X R7 X R7.1 X R7.1.1 X R7.1.2 X	
R6.3.3.1 X R6.3.3.2 X R7 X R7.1 X R7.1.1 X R7.1.2 X	
R6.3.3.2 X X X R7 R7.1 X R7.1.1 X X X	
R7	
R7.1 X X X X	
R7.1.1 X X X	
R7.1.2 X	
R7.1.3 X	
R8	
R9 X X	
R10	
R10.1 X	
R10.2	
R10.2.1 X	
R10.2.2 X	
R10.2.3	

R10.2.4	х					
R10.2.5	х					
R10.2.6				х		
R10.3	х			x		
R10.4						x
R11	х	х				x
R12	х					x
R13						
R14						
R15						
R16			x			
R17			x			
R18			x			
R19			x			
R20						
R21						
R22						
R22.1						
R22.1.1			x	x		
R22.1.2			х	x		
R22.1.3			х	x		
R22.2.1			х	x		
R22.3			Х	Х		
R22.4			Х	Х		
R22.5			Х	Х		
R22.6			Х	X		

R22.7		X	x		
R23					
R23.1					
R23.1.1		x	х		
R23.1.2		x	x		
R23.2		x	x		
R24			х		
R25					
R26		x	x		
R27		x	x		
R28		x	x		
R29		x	x		
R30		x			
R31					
R32			x		
R33		x	x		
R34	x				
R35		x			
R36		x			
R37					
R38					
R39					
R40					
R41					
R41.1					
R41.1.1					Х

R41.1.2 X </th <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>						
R41.1.4 X R41.2 X R41.2.1 X R41.2.1. 1 X R41.2.1. 2 X R41.2.1. 3 X R41.2.1. 5 X R41.2.2 X X R41.2.3 X X R42 R42.1 R42.1 R42.1. 1 X R42.1. 1 X R42.1.1 X X R42.1.1 X X R42.1.2 X X R42.1.3 X X R42.1.4 X X R42.2 X X	R41.1.2		x			
R41.2 R41.2.1 R41.2.1. X R41.2.1. X R41.2.1. X R41.2.1. X R41.2.1. X R41.2.2 X R41.2.3 X R42 X R42.1.1 X R42.1.1 X R42.1.1. X R42.1.1. X R42.1.2 X R42.1.3 X R42.1.4 X R42.2 X	R41.1.3		x			
R41.2.1 X R41.2.1. 1 X R41.2.1. 2 X R41.2.1. 3 X R41.2.1. 5 X R41.2.2 X X R41.2.3 X X R42 R42.1 R42.1 R42.1. 1 X R42.1.1 X X R42.1.1 X X R42.1.1 X X R42.1.2 X X R42.1.3 X X R42.1.4 X X R42.1.4 X X	R41.1.4					x
R41.2.1. X R41.2.1. X R41.2.1. X R41.2.1. X R41.2.1. X R41.2.2. X R41.2.3 X R42.1 X R42.1.1 X R42.1.1. X X X	R41.2					
1 R41.2.1. X R41.2.1. X X R41.2.1. X X R41.2.1. X X R41.2.2 X X R41.2.3 X X R42 X X R42.1 X X R42.1.1 X X R42.1.1. X X R42.1.2 X X R42.1.3 X X R42.1.4 X X R42.2 X X	R41.2.1					
2 X R41.2.1. X R41.2.1. X R41.2.1. X R41.2.2 X R41.2.3 X R42 X R42.1 X R42.1.1 X R42.1.1. X R42.1.1. X R42.1.1. X R42.1.2 X R42.1.3 X R42.2 X					x	
3 R41.2.1. X R41.2.1. X S X R41.2.2 X R41.2.3 X R42 X R42.1 X R42.1.1 X X X R42.1.1. X X X R42.1.1. X X X R42.1.2 X R42.1.3 X R42.1.4 X R42.2 X					x	
4 R41.2.1. X S X X R41.2.2 X X R41.2.3 X X R42 X X R42.1 X X R42.1.1 X X R42.1.1. X X R42.1.2 X X R42.1.3 X X R42.1.4 X X R42.2 X X					x	
5 K41.2.2 X R41.2.3 X X R42 X X R42.1 X X R42.1.1 X X X R42.1.1. 2 X X X R42.1.2 X X X R42.1.3 X X X R42.1.4 X X X R42.2 X X X			x			
R41.2.3 X R42 ————————————————————————————————————						x
R42 R42.1 R42.1.1 X R42.1.1. 1 X R42.1.1. 2 X R42.1.2 3 X R42.1.4 4 X R42.2 X	R41.2.2				x	
R42.1	R41.2.3		x			
R42.1.1 X R42.1.1. X X X <tr< td=""><td>R42</td><td></td><td></td><td></td><td></td><td></td></tr<>	R42					
R42.1.1. X R42.1.1. X X X X X X X X X X X X X X X X X X X R42.1.4 X X X R42.2 X	R42.1					
1 R42.1.1. X X R42.1.2 X X X R42.1.3 X X X R42.1.4 X X X R42.2 X X X	R42.1.1					
2 R42.1.2 X X X R42.1.3 X X X R42.1.4 X X X		x				X
R42.1.3 X X X R42.1.4 X X X					x	x
R42.1.4 X X R42.2	R42.1.2				x	x
R42.2	R42.1.3			х	x	
	R42.1.4		x		x	
R42.2.1	R42.2					
	R42.2.1					

R42.2.1. 1					х
R42.2.1. 2				x	
R42.2.2				x	x
R42.2.3			x	x	
R42.2.4		X			
R43					
R43.1	x				
R43.2	x				
R43.3	x				
R43.4		x			
R44					
R45					
R46					
R47					
R48				x	
R49					
R50					
R51					
R52					
R53					
R54					
R55					
R55.1	X				
R55.2					
R55.2.1	х				

R55.2.2 X R55.3 X R55.3.2 X R55.3.3 X R56.6 X R56.1 X R56.2 X R56.3 X R57 X R57.1 X R57.2 X R58 X R58.1 X R59.2 X R59.1.1 X R59.1.2 X R59.1.3 X R59.2.1 X R59.2.2 X R69.3 X						
R55.3.1 X R55.3.2 X R55.3.3 X R56 X R56.1 X R56.2 X R56.3 X R57 X R57.1 X R57.2 X R58 X R58.1 X R59.2 X R59.1.1 X R59.1.2 X R59.1.3 X R59.2 X R59.2.1 X R59.2.2 X R59.3 X	R55.2.2	 X				
R55.3.2 X R55.3.3 X R56 X R56.1 X R56.2 X R56.3 X R57 X R57.1 X R57.2 X R58 X R58.1 X R59.2 X R59.1.1 X R59.1.2 X R59.1.3 X R59.2 X R59.2.1 X R59.2.2 X R59.3 X	R55.3					
R55.3.3 X R56 X R56.1 X R56.2 X R56.3 X R56.3 X R57 X R57.1 X R57.2 X R58 X R58.1 X R59.2 X R59.1.1 X R59.1.2 X R59.1.3 X R59.1.4 X R59.2 X R59.2.1 X R59.3 X	R55.3.1		X			
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R56.1 X R56.2 X R56.3 X R57 X R57.1 X R57.2 X R58 X R58.1 X R58.2 X R59 X R59.1.1 X R59.1.2 X R59.1.3 X R59.2 X R59.2.1 X R59.2.2 X R59.3 X	R55.3.3				x	
R56.2 X R56.3 X R57 X R57.1 X R57.2 X R58 X R58.1 X R58.2 X R59 X R59.1 X R59.1.1 X R59.1.2 X R59.1.3 X R59.2 X R59.2.1 X R59.2.2 X R59.3 X	R56					
R56.3 X R57 X R57.1 X R57.2 X R58 X R58.1 X R58.2 X R59 X R59.1.1 X R59.1.2 X R59.1.3 X R59.1.4 X R59.2 X R59.2.1 X R59.2.2 X R59.3 X	R56.1				x	
R57 X X X R57.1 X X X R57.2 X X X R58 X X X R58.1 X X X R58.2 X X X R59 X X X R59.1 X X X R59.1.1 X X X R59.1.2 X X X R59.1.3 X X X R59.1.4 X X X R59.2 X X X R59.2.1 X X X R59.3 X X X	R56.2				x	
R57.1 X X R57.2 X R58.8 X R58.1 X R58.2 X R59 X R59.1 X R59.1.1 X R59.1.2 X R59.1.3 X R59.1.4 X R59.2 X R59.2.1 X R59.2.2 X R59.3 X	R56.3				x	
R57.2 X R58 X R58.1 X R58.2 X R59 X R59.1 X R59.1.1 X R59.1.2 X R59.1.3 X R59.1.4 X R59.2 X R59.2.1 X R59.2.2 X R59.3 X	R57					
R58 X R58.1 X R58.2 X R59 Section 1 R59.1 Section 2 R59.1.1 X R59.1.2 X R59.1.3 X R59.1.4 X R59.2 X R59.2.1 X R59.2.2 X R59.3 X	R57.1		x		x	
R58.1 X R58.2 X R59 Section 1 R59.1 Section 2 R59.1.1 X R59.1.2 X R59.1.3 X R59.1.4 X R59.2 X R59.2.1 X R59.2.2 X R59.3 X	R57.2				x	
R58.2 X R59 Section 1 R59.1 Section 2 R59.1.1 X R59.1.2 X R59.1.3 X R59.1.4 X R59.2 X R59.2.1 X R59.2.2 X R59.3 X	R58					
R59.1 R59.1.1 X X X X X X R59.1.2 X R59.1.3 X X R59.1.4 X X X X X X X X X X X X X X X X X X X	R58.1	x				
R59.1 X X X X X R59.1.2 X X X R59.1.3 X X X R59.1.4 X X X X R59.2 X X X R59.2.1 X X X X X X X X X X X X X X X X X X X	R58.2			x		
R59.1.1 X X X R59.1.2 X X R59.1.3 X X R59.1.4 X X R59.2 X X R59.2.1 X X R59.2.2 X X R59.3 X X	R59					
R59.1.2	R59.1					
R59.1.3 X R59.1.4 X R59.2 X R59.2.1 X R59.2.2 X R59.3 X	R59.1.1	x			x	x
R59.1.4 X R59.2 X X R59.2.2 X X R59.3 X X	R59.1.2				x	
R59.2 X X X R59.2.2 X X X X	R59.1.3				x	
R59.2.1 X X X R59.2.2 X X X X	R59.1.4				X	
R59.2.2 X X X	R59.2					
R59.3 X	R59.2.1		X		X	
	R59.2.2		X			
R60	R59.3					x
	R60					

R60.1			X	
R60.2				x
R60.3				
R60.3.1			X	
R60.3.2			X	
R61				
R62				
R62.1			x	x
R62.2			X	
R63				
R64				