Requirements System Traceability Matrix

Requirement	Security Subsystem	User Activity Subsystem	User Interface Subsystem	Moodle Subsystem	Gamification Subsystem	Chatbot Subsystem	Database Subsystem
R1							
R2							
R3							
R4							
R4.1							
R4.1.1			X				
R4.1.2		X					X
R5							
R5.1		X					X
R5.2			X				
R5.3			X				
R6							
R6.1							
R6.1.1			X				
R6.1.2				X			
R6.1.3							
R6.1.3.1				X			
R6.1.3.2				X			
R6.1.3.3				X			
R6.2							
R6.2.1			X				

R6.2.2				X			
R6.2.3							
R6.2.4				X			
R6.2.3.1	X						X
R6.2.3.2	X						
R6.2.3.3	X						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	X			
R7							
R7.1							
R7.1.1			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						X
R10.2.3							

R10.2.4	X						
R10.2.5	X						
R10.2.6				X			
R10.3	X			X			
R10.4							X
R11	X	X					X
R12	X						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			X	X			
R22.1.3			X	X			
R22.2.1			X	X			
R22.3			X	X			
R22.4			X	X			
R22.5			X	X			
R22.6			X	X			

R22.7			X	X			
R23							
R23.1							
R23.1.1			X	X			
R23.1.2			X	X			
R23.2			X	X			
R24				X			
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							X

R41.1.2			X				
R41.1.3			X				
R41.1.4							X
R41.2							
R41.2.1							
R41.2.1.1					X		
R41.2.1.2					X		
R41.2.1.3					X		
R41.2.1.4			X				
R41.2.1.5							X
R41.2.2					X		
R41.2.3			X				
R42							
R42.1							
R42.1.1							
R42.1.1.1		X					X
R42.1.1.2					X		X
R42.1.2					X		X
R42.1.3				X	X		
R42.1.4			X		X		
R42.2							
R42.2.1							

R42.2.1.1						X
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	X					

R55.2.2		X					
R55.3							
R55.3.1			X				
R55.3.2						X	
R55.3.3						X	
R56							
R56.1						X	
R56.2						X	
R56.3						X	
R57							
R57.1			X			X	
R57.2						X	
R58							
R58.1		X					
R58.2				X			
R59							
R59.1							
R59.1.1		X				X	X
R59.1.2						X	
R59.1.3						X	
R59.1.4						X	
R59.2							
R59.2.1			X			X	
R59.2.2			X				
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							