	Dece	mber	January				February				Mar	ch			April			
		W4		_	W3	W4				W4			W3	W4			W3	W4
T1.1.1: Design User Interface - Finalise layout and design			i	·-		+	1	· · -		· · ·	ļ	· · -			1	· · -		i i
T2.1.1: Setup and Configure Client/Server using MQTT - Client/Server setup																		
T2.1.2: Setup and Configure Client/Server using MQTT - Multiple Clients																		
D1: Project Plan				17														
T2.2.1: Setup and Configure Client/Server using MQTT - Message Exchange																		
T2.2.2: Setup and Configure Client/Server using MQTT - Chat Room Creation																		
T1.9.1: Test MQTT function implementation T1/T2.1/T2.2																		
T2.3.1: Setup and Configure Client/Server using MQTT - Message speed																		
T2.4.1: Setup and Configure Client/Server using MQTT - Conversation history																		
T1.9.2: Test MQTT function implementation T2.3/T2.4																		
T3.3.1: Create separate user classes - Chat Room Creation																		
T3.1.1: Create separate user classes - Admin role and permission allocation																		
T3.1.2: Create separate user classes - Admin role (Promote and demote users)																		
T3.2.1: Create separate user classes - Moderator permission inheritance																		
T3.2.2: Create separate user classes - Moderator (Invite and remove users)																		
T3.2.3: Create separate user classes - Moderator (Trivite and delete channels)																		
T3.2.4: Create separate user classes - Moderator (Delete user messages)																		
T3.9: Test User classes																		
M1: Class implementation completion																		
D2: Project Design																		
T4.1.1: Implement User Interface - Message Exchange																		
T4.1.2: Implement User Interface - User contacts pane																		
T4.2.1: Implement User Interface - Display user profile picture																		
T7.1.1: Develop user profile and control panel - User status																		
T7.2.1: Develop user profile and control panel - User profile picture																		
T7.2.2: Develop user profile and control panel - Display user profile picture																		
T4.9: Test User interface implementation T4.1.X/T4.2.X																		
T4.3.1: Implement User Interface - Light and Dark mode																		
T4.3.2: Implement User Interface - Customise text size																		
T4.4.1: Implement User Interface - Language options																		
T7.3.1: Develop user profile and control panel - Light and Dark mode																		
T7.3.2: Develop user profile and control panel - Customise text size																		
T7.4.1: Develop user profile and control panel - Language options																		
M2: UI completion																		
D3: Reference Manual										28								
T3.9.2: Test User interface implementation T4.3.X/T4.4.X																		
T6.1.1: Implement security features and protocols - Locally saved passwords																		
T6.1.2: Implement security features and protocols - User space access																		
T6.3.1: Implement security features and protocols - Log off user																		
T6.1.3: Implement security features and protocols - Privacy Laws																		
T6.9: Test Security implementation																		
T5.1.1: Implement event listeners - Notification system																		
T5.9: Test Event listeners																		
T8.1.1: Implement file transfer feature - Exchange files with contacts																		
T6.2.1: Implement security features and protocols - File transfer confirmation																		
T6.9: Test File transfer features and security imlementation of file transfer																		
T9.1.1: Setup a local database - Locally saved passwords																		
T9.2.1: Setup a local database - Offline messages stored locally																		
T7.9: Test implementation of database feactures																		
D4: Test Plan							1							28				
T10.1.1: Consider the implementation of additional features - Receipts																		
T10.2.1: Consider the implementation of additional features - Emojis																		
T10.3.1: Consider the implementation of additional features - macOS version							1											
M3: Development completion																		
T8.9: Test implementation of additional features							1				1							
							1										25	
D5: Final Report M4: Project completion																	- 23	
M4: Project completion			1				1				1				L			<u> </u>