

Chapter 6 : Analysis phase-UML system models

[Safe Haven Watch]

Name	Student ID	Email
Lamar Hussain Alharbi	445005711	uqu.edu.sa@s44 5005711
Jumana Khalid Alsaedi	445007196	uqu.edu.sa@s44 5007196
Ghala Marzouq Alsaedi	445007536	uqu.edu.sa@s44 5007536
Reem Ahmed AlShahrani	445000375	s445000375@uqu.edu.sa

Time meeting :

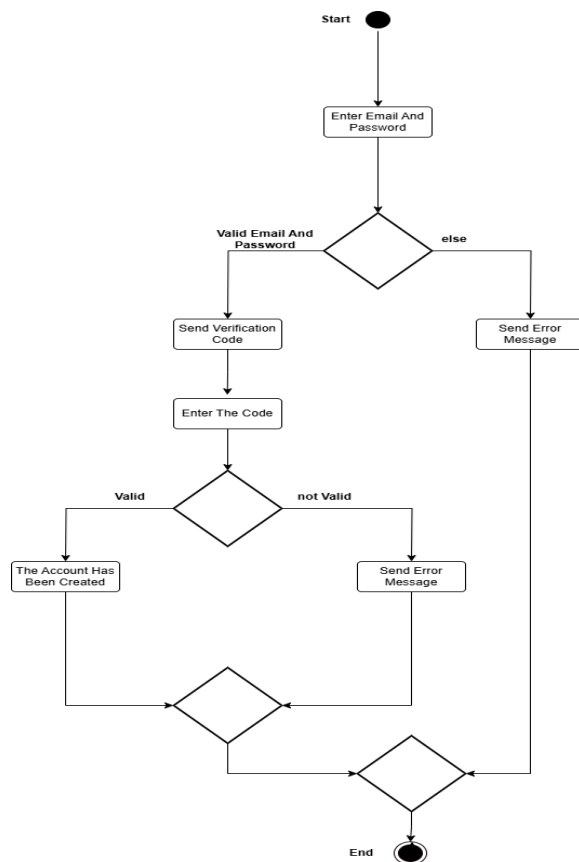
Name Of Group Member	Date And Time
Lamar-Jumana-Ghala-Reem	Thursday 13-3-2025 11:45 - 10:00
Lamar-Jumana-Ghala-Reem	Saturday 15-3-2025 10:20 – 9:00

Tasks:

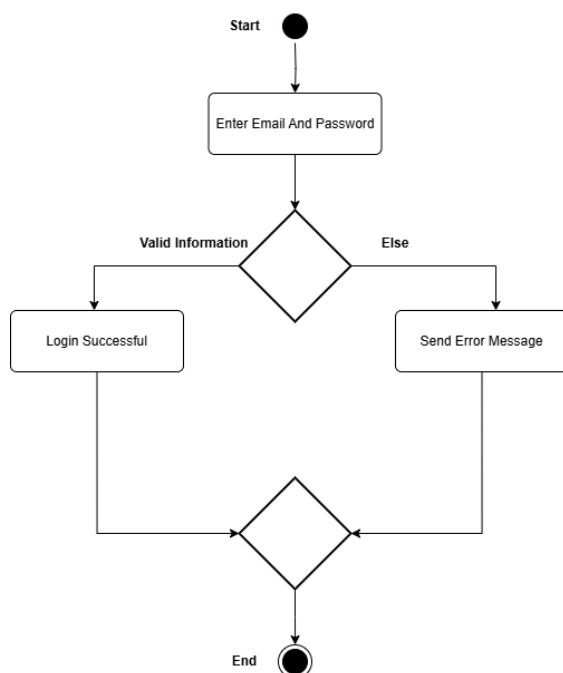
- Active diagram: Lamar Alharbi
- Active diagram: Reem AlShahrani
- Sequence diagram: Jumana Alsaedi
- Sequence diagram: Ghala Alsaedi

Active Diagram :

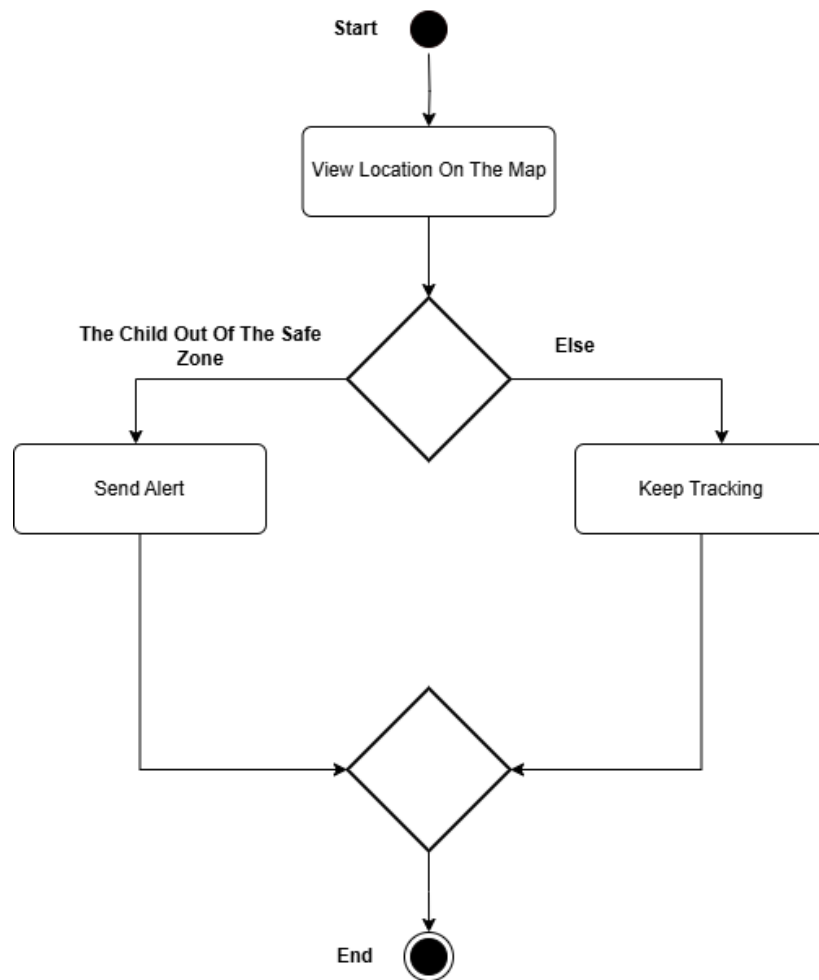
Create Account



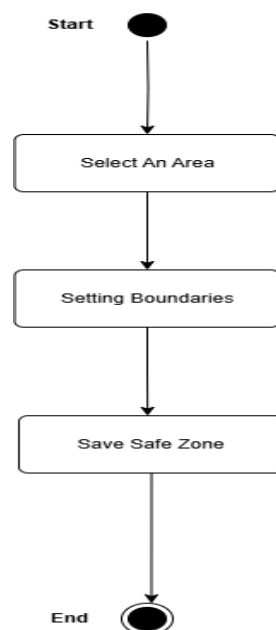
Login



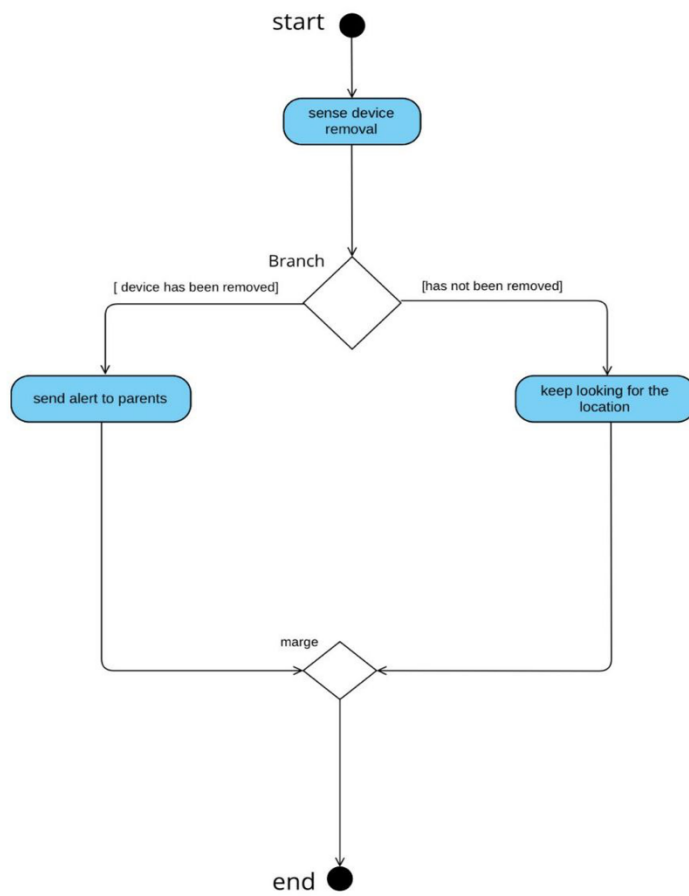
Real-time location tracking



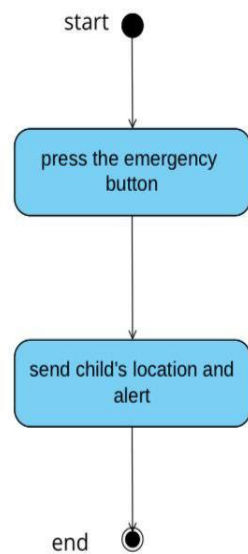
Define Safe Zones



Device tampering Alert



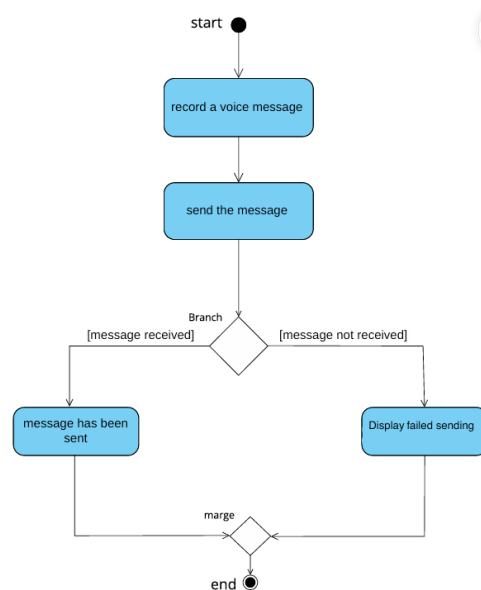
SOS Alert



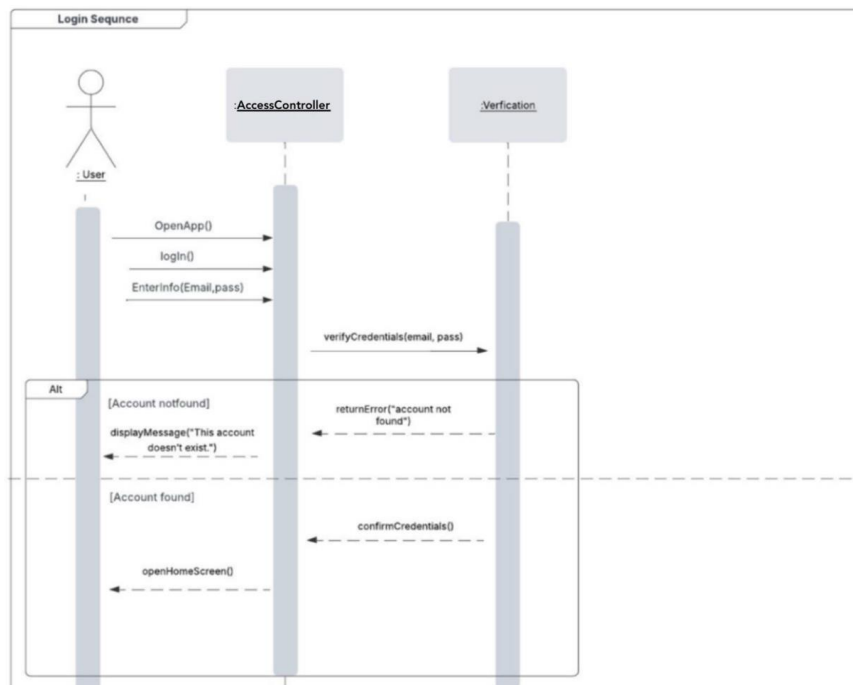
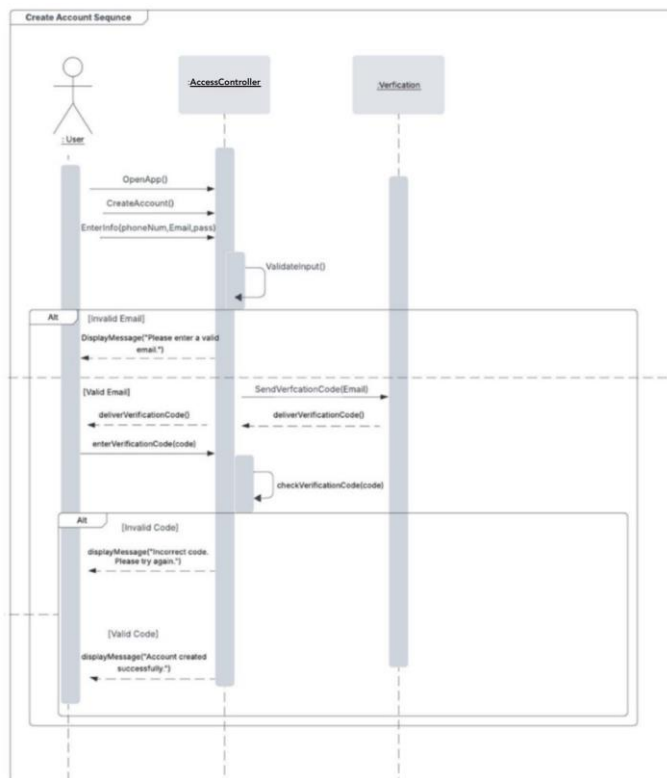
Report and update child state

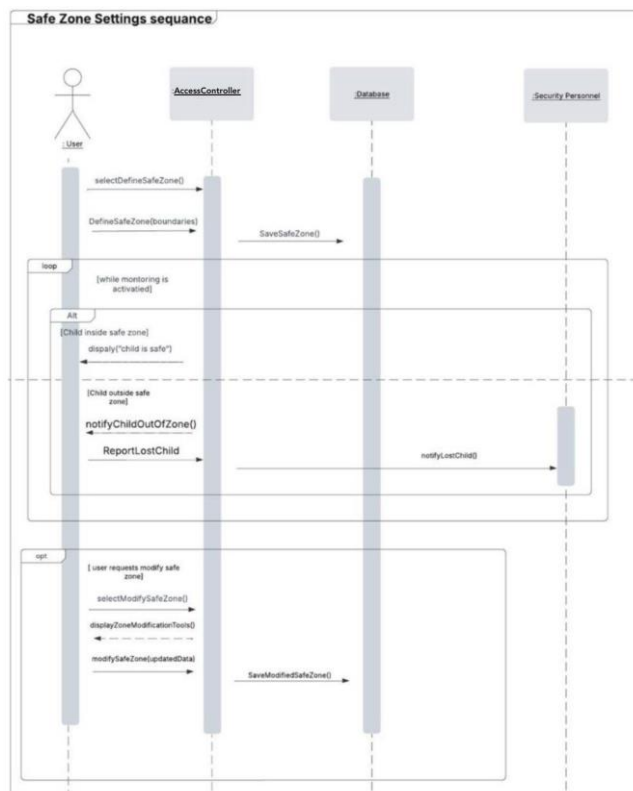
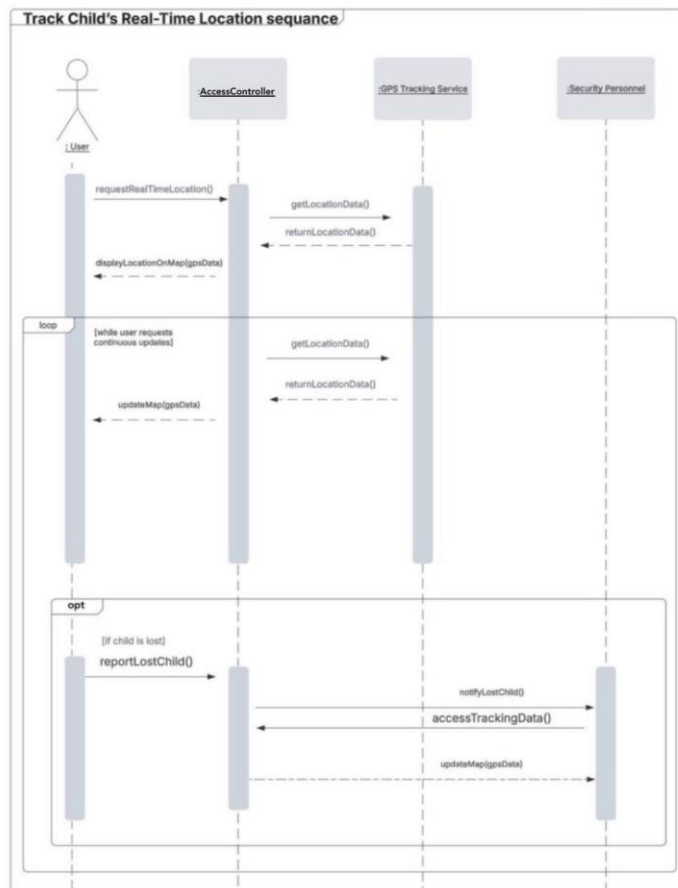


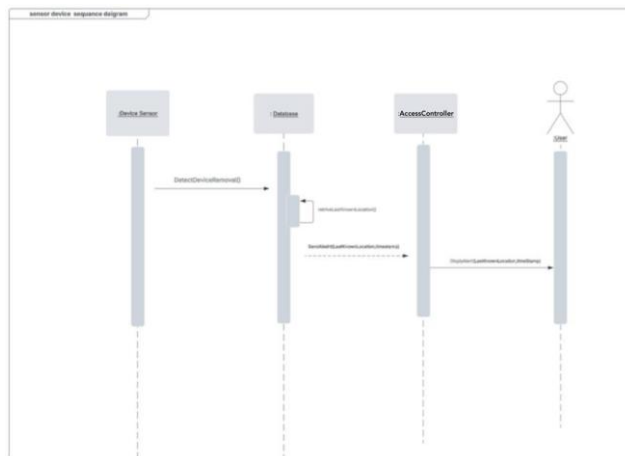
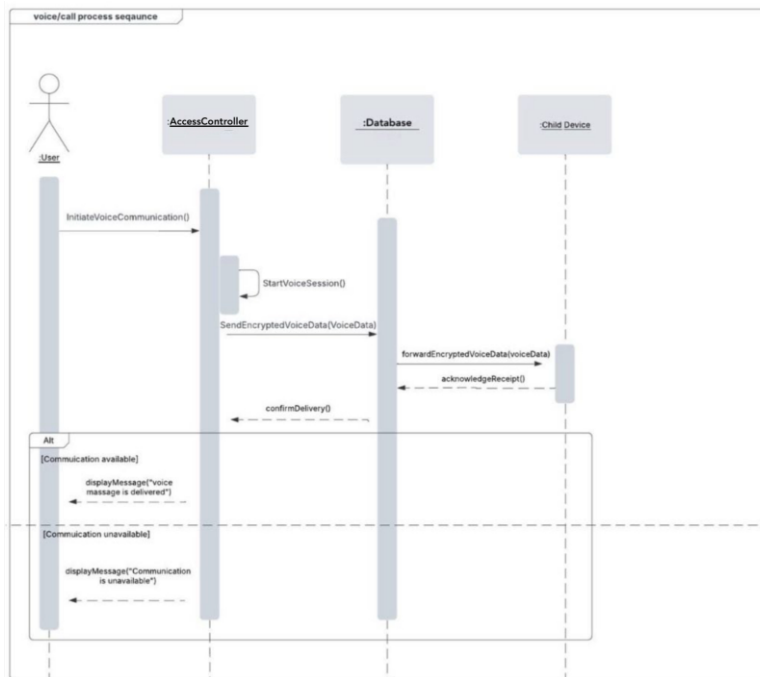
Voice messaging :

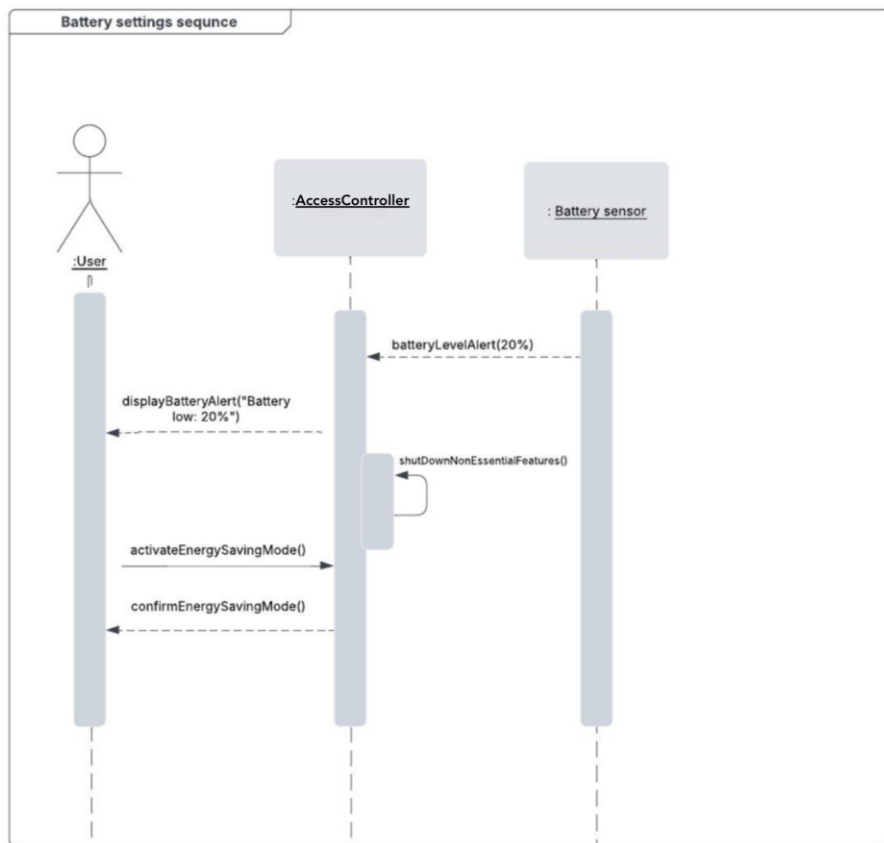
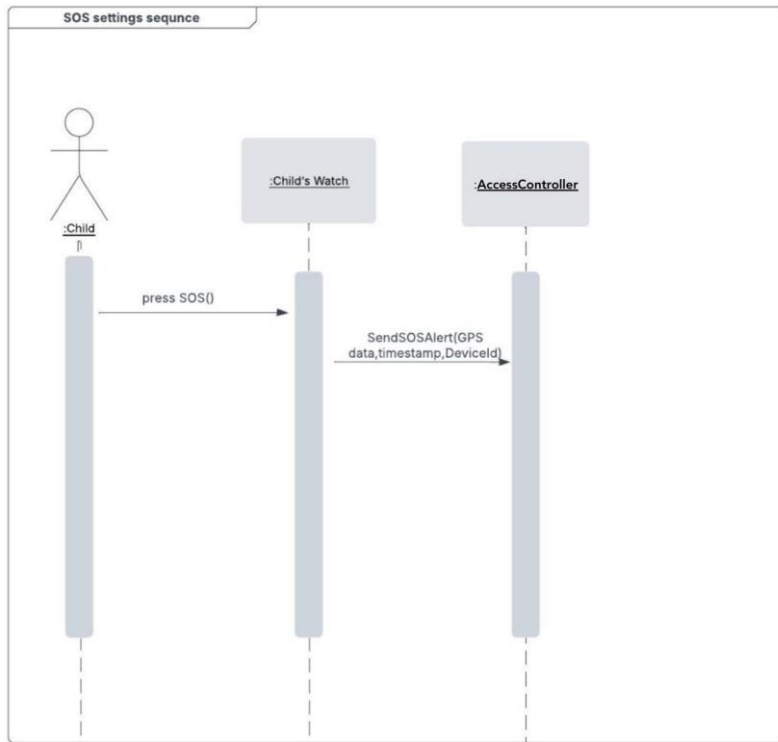


Sequence Diagram









Chapter 6 : Analysis phase-UML system models

[Safe Haven Watch]

Name	Student ID	Email
Lamar Hussain Alharbi	445005711	uqu.edu.sa@s445005711
Jumana Khalid Alsaedi	445007196	uqu.edu.sa@s445007196
Ghala Marzouq Alsaedi	445007536	uqu.edu.sa@s445007536
Reem Ahmed AlShahrani	445000375	s445000375@uqu.edu.sa

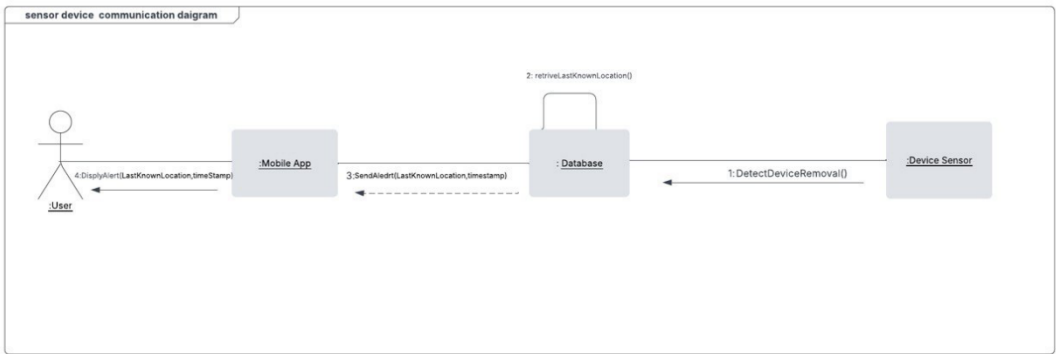
Time meeting :

Name Of Group Member	Date And Time
Lamar-Jumana-Ghala-Reem	Tuesday 1-4-2025 11:45 - 10:00
Lamar-Jumana-Ghala-Reem	Saturday 5-4-2025 10:20 – 9:00

Tasks:

- Communication Diagram: Lamar Alharbi
- Communication Diagram: Reem AlShahrani
- Communication Diagram: Jumana Alsaedi
- Communication Diagram: Ghala Alsaedi

Communication Diagram:



Chapter 6 : Analysis phase-UML system models

[Safe Haven Watch]

Name	Student ID	Email
Lamar Hussain Alharbi	445005711	uqu.edu.sa@s445005711
Jumana Khalid Alsaedi	445007196	uqu.edu.sa@s445007196
Ghala Marzouq Alsaedi	445007536	uqu.edu.sa@s445007536
Reem Ahmed AlShahrani	445000375	s445000375@uqu.edu.sa

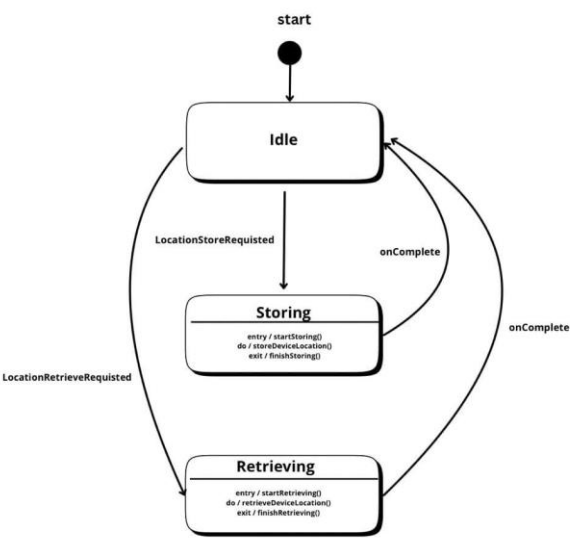
Time meeting :

Name Of Group Member	Date And Time
Lamar-Jumana-Ghala-Reem	Tuesday 8-4-2025 11:45 - 10:00
Lamar-Jumana-Ghala-Reem	Saturday 12-4-2025 10:20 – 9:00

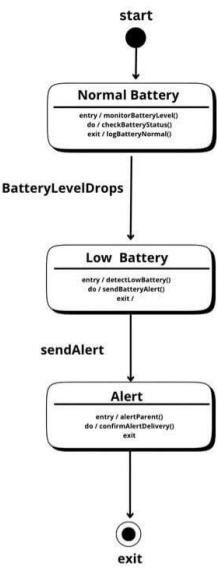
Tasks:

- Class and State Diagram: Lamar Alharbi
- Class and State Diagram: Reem AlShahrani
- Class and State Diagram: Jumana Alsaedi
- Class and State Diagram: Ghala Alsaedi

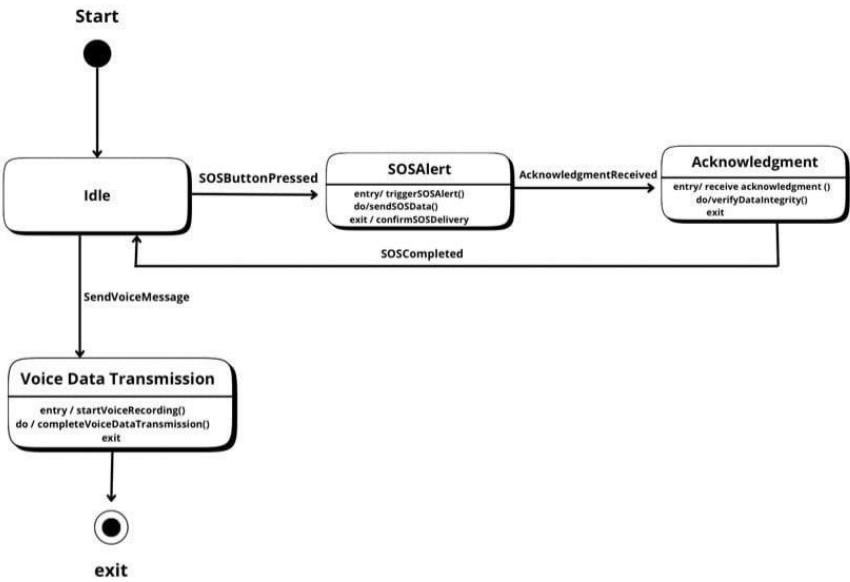
Database



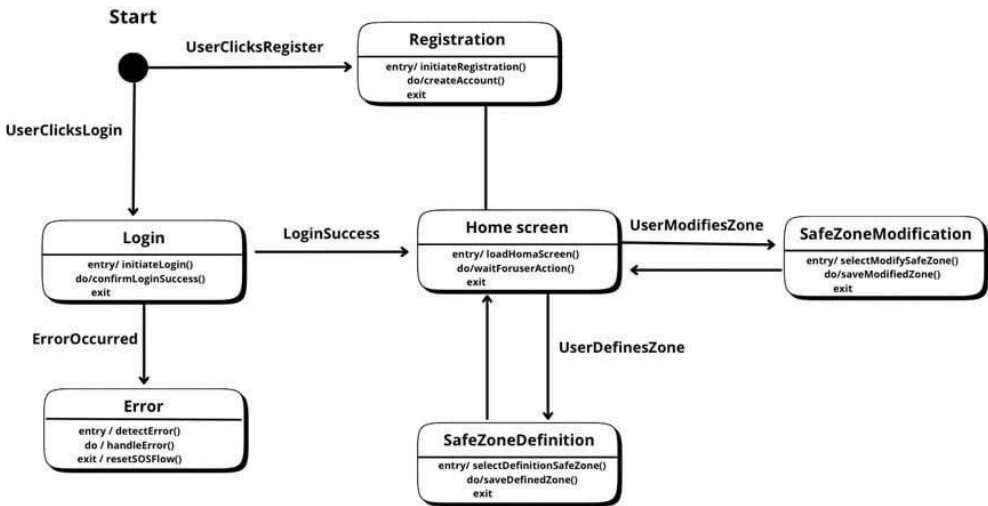
Battery



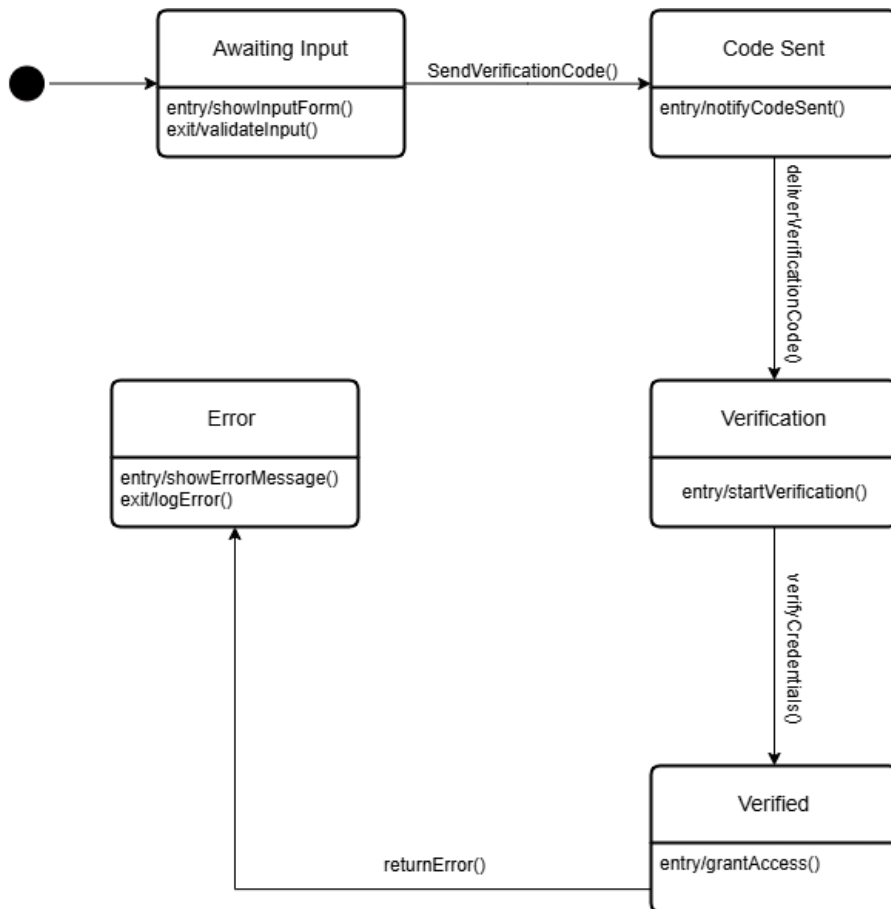
ChildDevice



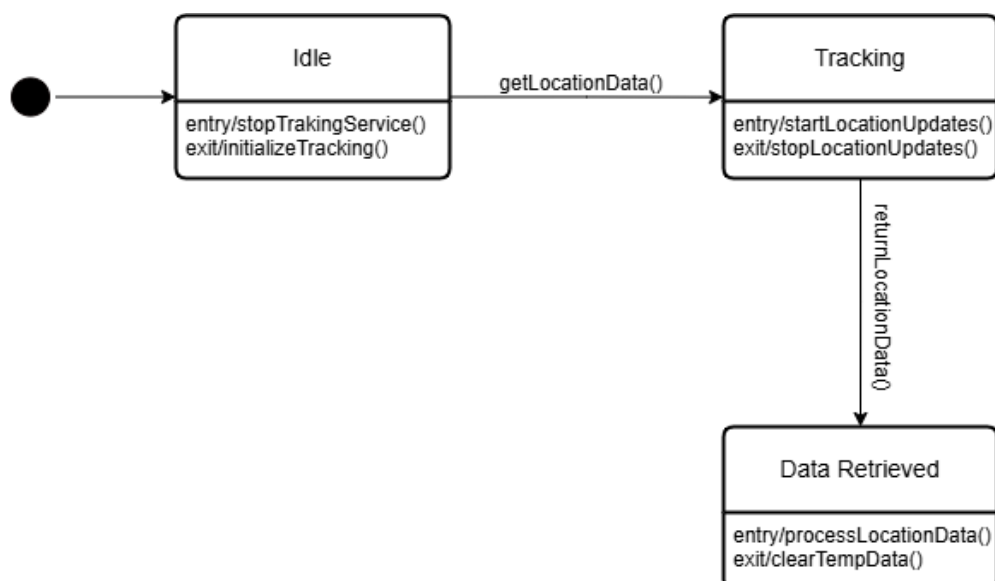
Parent



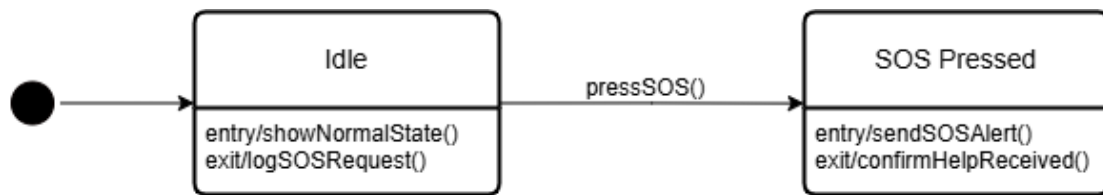
Verification



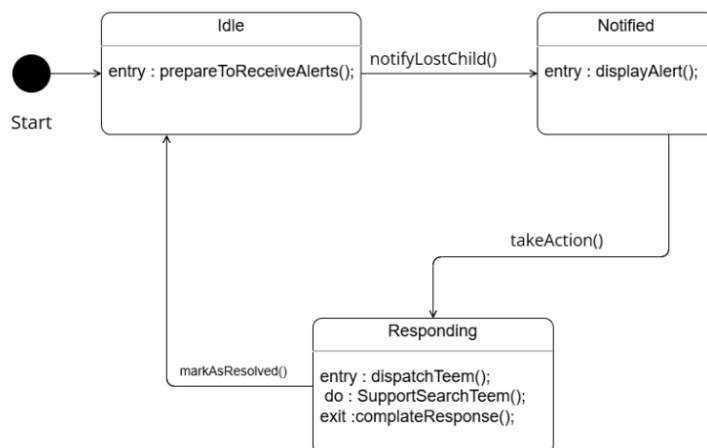
GPSTrackingService



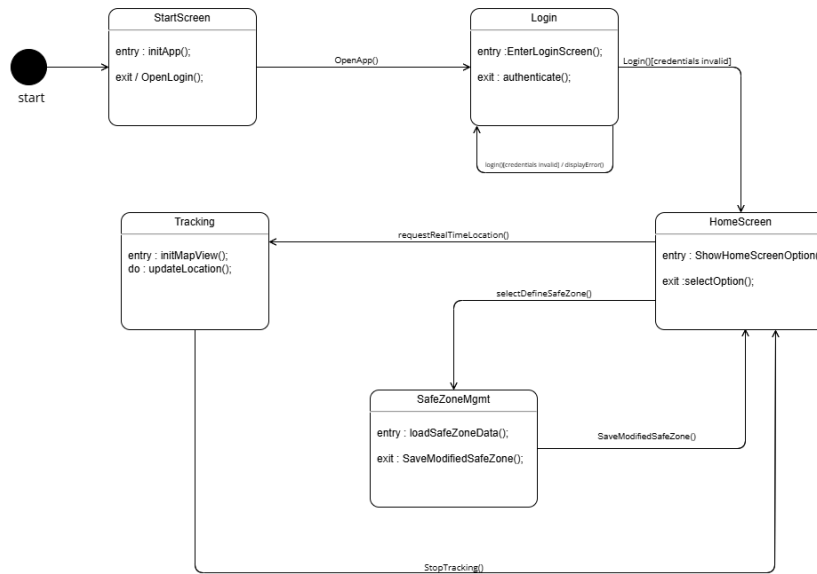
Child



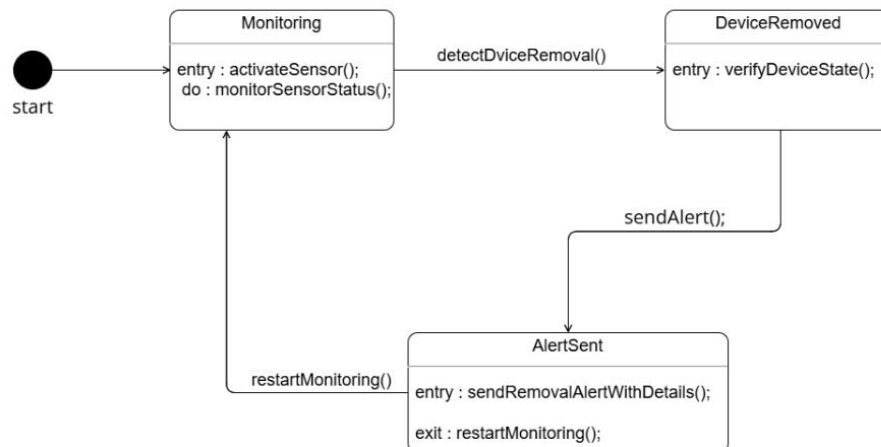
SecurityPersonnel



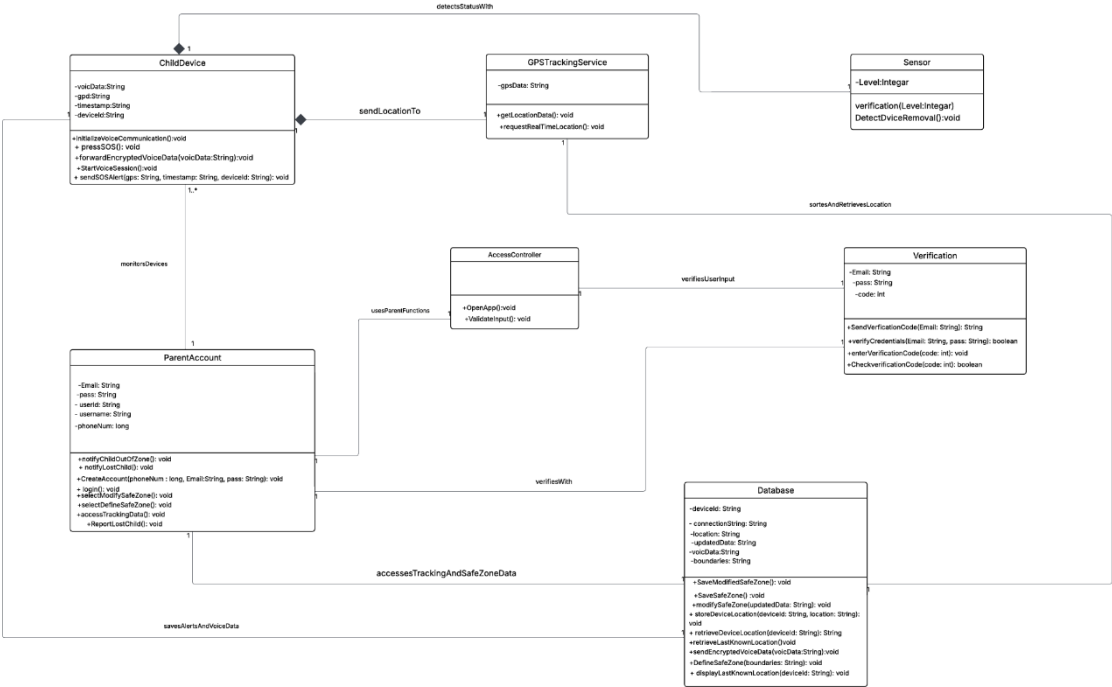
MobileApp



DviceSensor



Class Diagram



Chapter 7 : Design phase-UML system models

[Safe Haven Watch]

Name	Student ID	Email
Lamar Hussain Alharbi	445005711	uqu.edu.sa@s445005711
Jumana Khalid Alsaedi	445007196	uqu.edu.sa@s445007196
Ghala Marzouq Alsaedi	445007536	uqu.edu.sa@s445007536
Reem Ahmed AlShahrani	445000375	s445000375@uqu.edu.sa

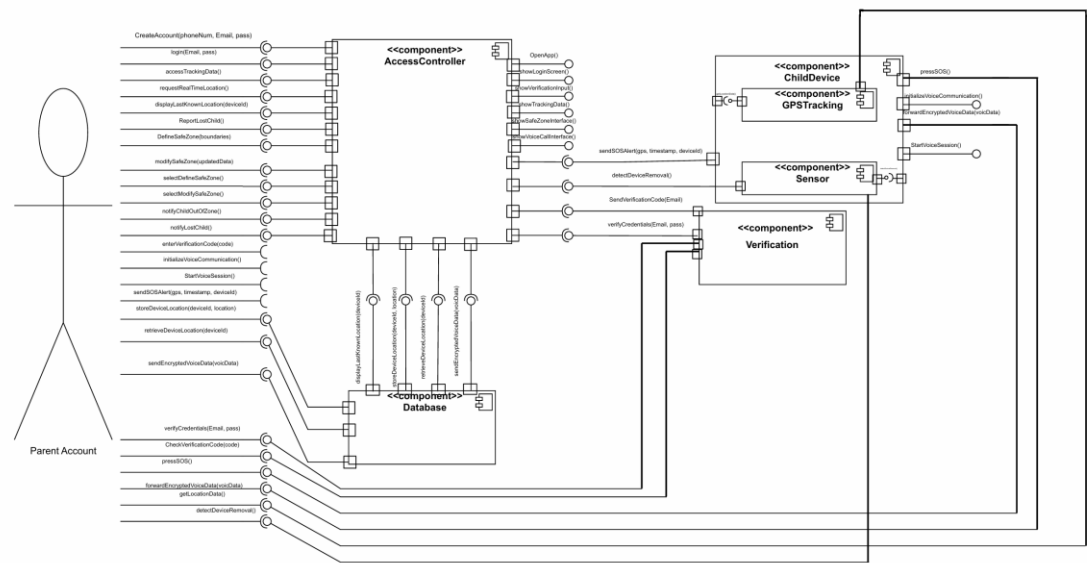
Time meeting :

Name Of Group Member	Date And Time
Lamar-Jumana-Ghala-Reem	Tuesday 8-4-2025 11:45 - 10:00
Lamar-Jumana-Ghala-Reem	Saturday 12-4-2025 10:20 – 9:00

Tasks:

- Component and Development Diagram: Lamar Alharbi
- Component and Development Diagram: Reem AlShahrani
- Component and Development Diagram: Jumana Alsaedi
- Component and Development Diagram: Ghala Alsaedi

Component Diagram



Deployment Diagram

