Chapter 6 : Analysis phase-UML system models [Safe Haven Watch]

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

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

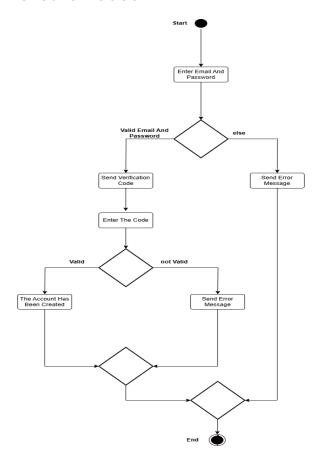
- Active diagram: Reem AlShahrani

- Sequance diagram: Jumana Alsaedi

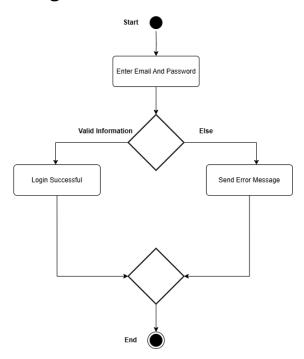
- Sequance diagram: Ghala Alsaedi

Active Digram:

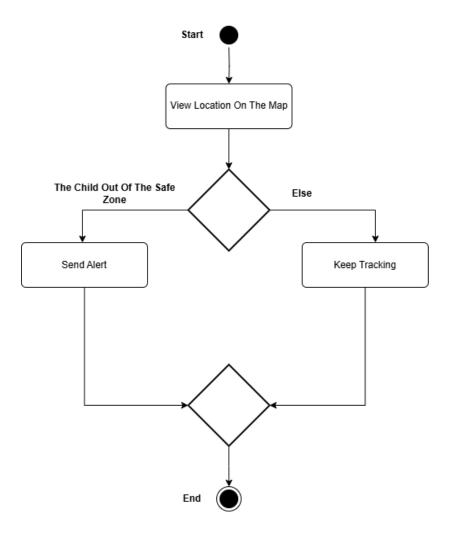
Create Account



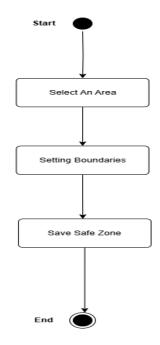
Login



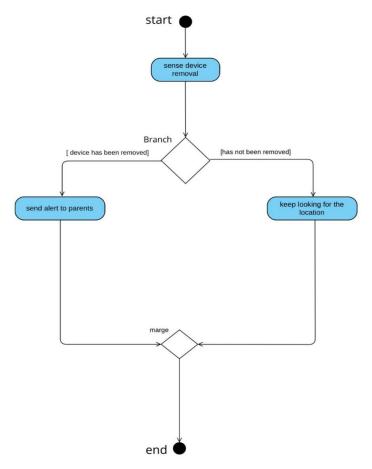
Real-time location tracking



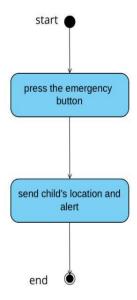
Define Safe Zones



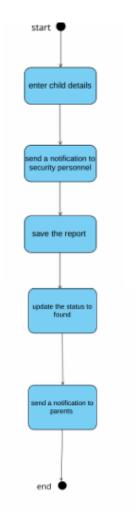
Device tampering Alert



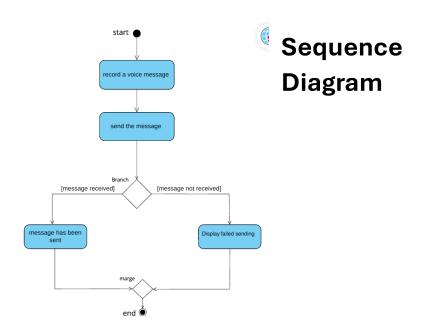
SOS Alert

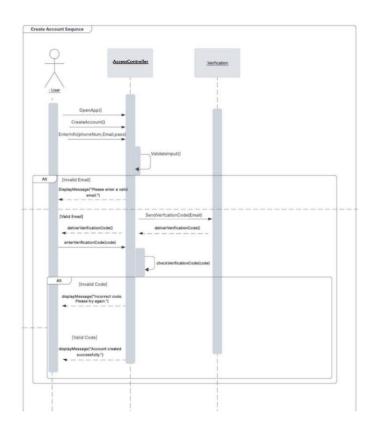


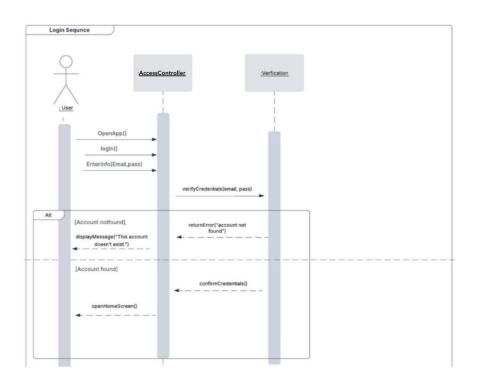
Report and update child state

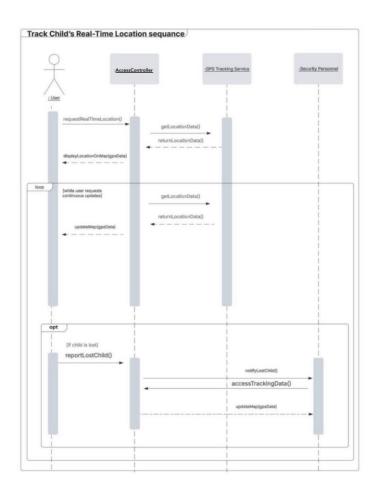


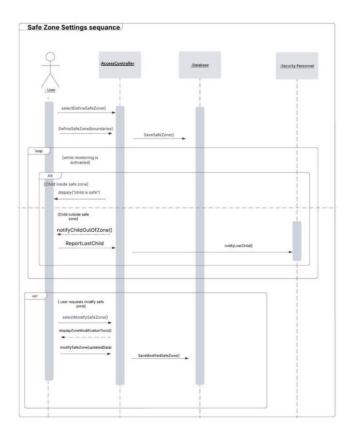
Voice messaging:

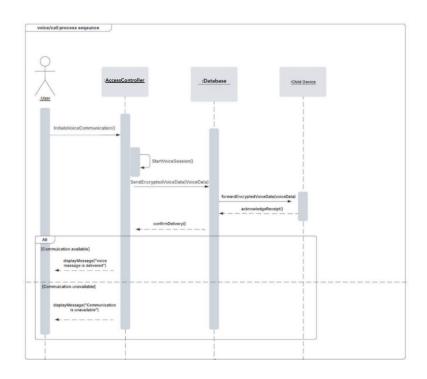


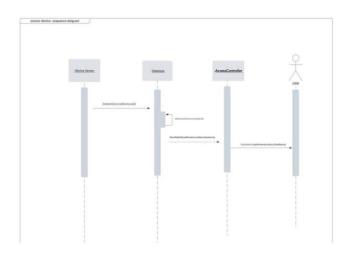


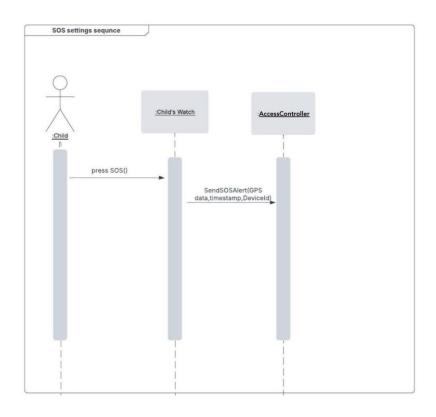


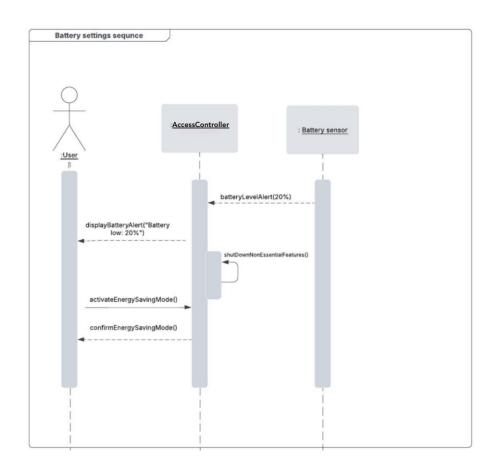












Chapter 6 : Analysis phase-UML system models [Safe Haven Watch]

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Lamar	445005711	uqu.edu.sa@s445005711
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Jumana Khalid	445007196	uqu.edu.sa@s445007196
Alsaedi		
Ghala	445007536	uqu.edu.sa@s445007536
Marzouq		
Alsaedi		
Reem Ahmed	445000375	s445000375@uqu.edu.sa
AlShahrani		

Time meeting:

Name Of Group Member	Date And Time
Lamar-Jumana-Ghala-Reem	Tuesday1-4-2025
	11:45 - 10:00
Lamar-Jumana-Ghala-Reem	Saturday 5-4-2025
	10:20 – 9:00

Tasks:

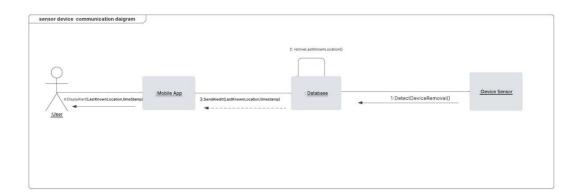
- Communication Diagram: Lamar Alharbi

- Communication Diagram: Reem AlShahrani

- Communication Diagram: Jumana Alsaedi

- Communication Diagram: Ghala Alsaedi

Communication Digram:



Chapter 6 : Analysis phase-UML system models [Safe Haven Watch]

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Lamar	445005711	uqu.edu.sa@s445005711
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Jumana Khalid	445007196	uqu.edu.sa@s445007196
Alsaedi		
Ghala	445007536	uqu.edu.sa@s445007536
Marzouq		
Alsaedi		
Reem Ahmed	445000375	s445000375@uqu.edu.sa
AlShahrani		

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:

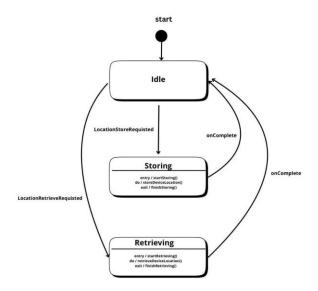
- Class and State Diagram: Lamar Alharbi

- Class and State Diagram: Reem AlShahrani

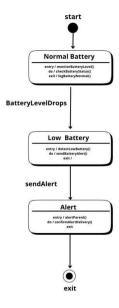
- Class and State Diagram: Jumana Alsaedi

- Class and State Diagram: Ghala Alsaedi

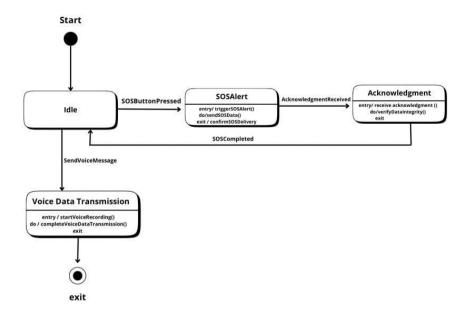
Database



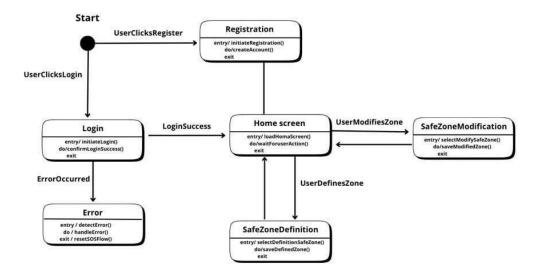
Battery



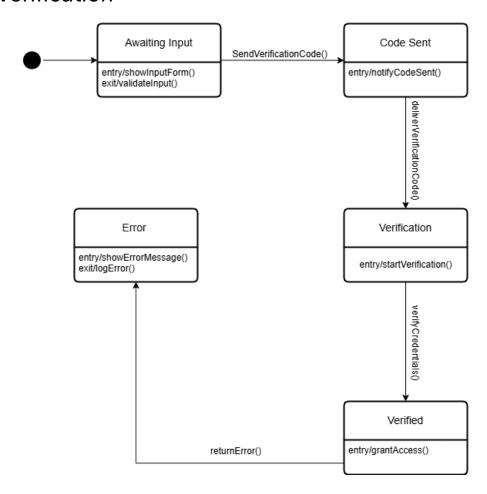
ChildDevice



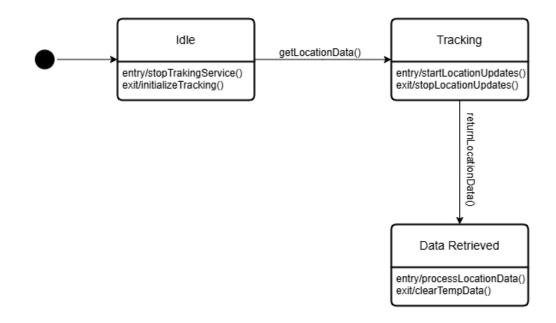
Parent



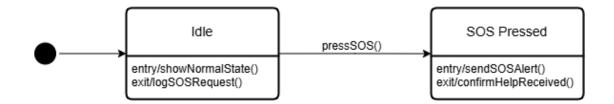
Verification



GPSTrackingService

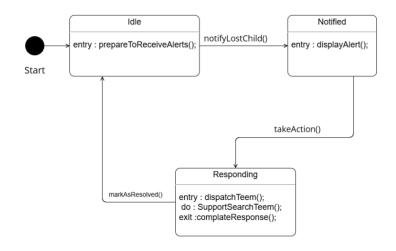


Child



SecurityPersonnel

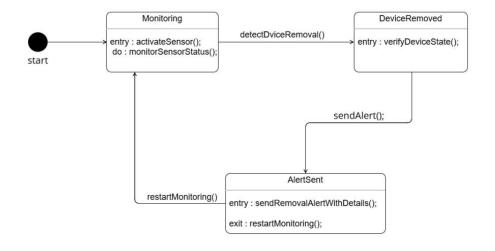




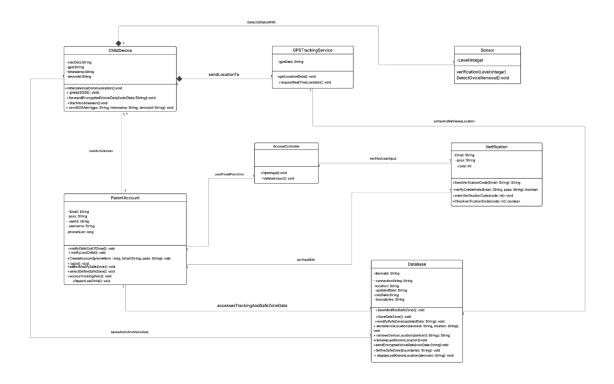
Start Screen entry: IntlAsp(); exit / OpenLogin(); Tracking requestRealTimeLocation() entry: intlMapView(); do: updateLocation(); SaleZoneMgmt entry: SaveModifiedSafeZone(); SaveModifiedSafeZone(); ScopTracking() ScopTracking()

DviceSensor





Class Diagram



Chapter 7 : Design phase-UML system models [Safe Haven Watch]

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

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

