

FIN

(Friend In Need)

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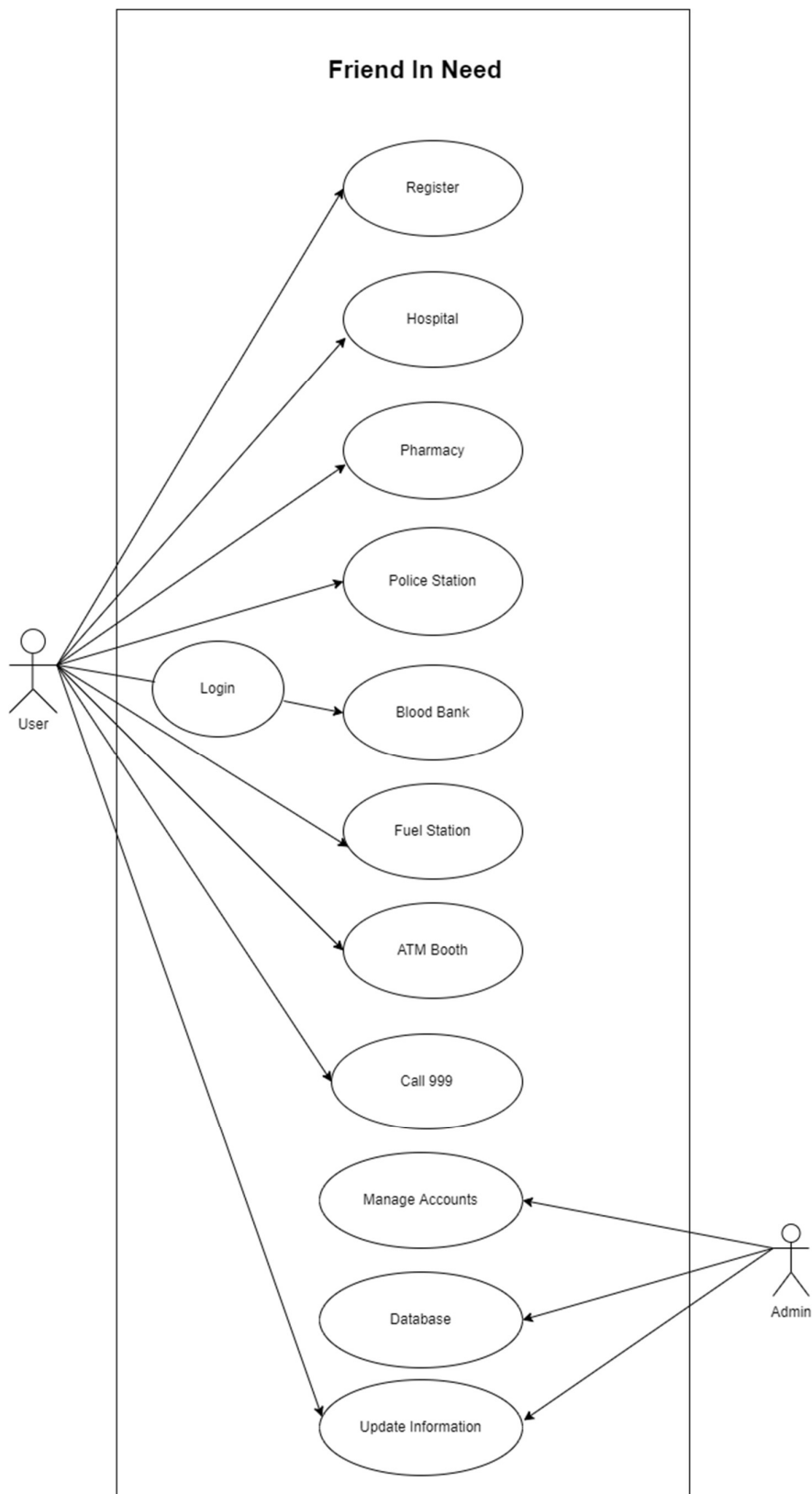


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1. Use Case Diagram:



2. Use Case Narratives:

ID:	5001
Title:	Hospital
Description:	In this location-based system, our app will use GPS to detect persons live location. Users can find near-by hospitals in any emergency situation
Primary Actor:	User
Preconditions:	Android Device, Internet Connection & Login
Postconditions:	Install/Update google map from play store
Main Success Scenario:	Users can find near-by hospitals in any emergency situation at anywhere
Extensions:	If the user doesn't have internet connection, he/she will not be able to access this feature
Frequency of Use:	Always when user need
Status:	Under Development
Owner:	S. M. Tasnimul Hasan
Priority:	High

ID:	5002
Title:	Pharmacy
Description:	In this location-based system, our app will use GPS to detect persons live location. Users can find near-by pharmacies from anywhere
Primary Actor:	User
Preconditions:	Android Device, Internet Connection & Login
Postconditions:	Install/Update google map from play store
Main Success Scenario:	Users can find near-by pharmacies in any emergency situation at anywhere
Extensions:	If the user doesn't have internet connection, he/she will not be able to access this feature
Frequency of Use:	Always when user need
Status:	Under Development
Owner:	Sanjida Aziz Tonny
Priority:	High

ID:	5003
Title:	ATM Booth
Description:	In this location-based system, our app will use GPS to detect persons live location. Users can find the nearest location of their desired ATM booths
Primary Actor:	User
Preconditions:	Android Device, Internet Connection & Login
Postconditions:	Install/Update google map from play store
Main Success Scenario:	Users can find the nearest location of their desired ATM booths at anywhere
Extensions:	If the user doesn't have internet connection, he/she will not be able to access this feature
Frequency of Use:	Always when user need
Status:	Under Development
Owner:	Md Zahidul Haque
Priority:	High

ID:	5004
Title:	Police Station
Description:	In this location-based system, our app will use GPS to detect persons live location. Users can contact any near-by police station for any emergency need
Primary Actor:	User
Preconditions:	Android Device, Internet Connection & Login
Postconditions:	Install/Update google map from play store
Main Success Scenario:	Users can contact any near-by police station for any emergency need at anywhere
Extensions:	If the user doesn't have internet connection, he/she will not be able to access this feature
Frequency of Use:	Always when user need
Status:	Under Development
Owner:	Fazlay Elahi Safin
Priority:	High

ID:	5005
Title:	Fuel Station
Description:	In this location-based system, our app will use GPS to detect persons live location. Users can search for the nearest location of fuel stations
Primary Actor:	User
Preconditions:	Android Device, Internet Connection & Login
Postconditions:	Install/Update google map from play store
Main Success Scenario:	Users can search for the nearest location of fuel stations at anywhere
Extensions:	If the user doesn't have internet connection, he/she will not be able to access this feature
Frequency of Use:	Always when user need
Status:	Under Development
Owner:	Fazlay Elahi Safin & Kh Rifat Amin
Priority:	High

ID:	5006
Title:	Call 999
Description:	If the user doesn't have an active internet connection, then he/she can use government emergency helpline service 999
Primary Actor:	User
Preconditions:	Android Device
Postconditions:	Install/Update google map from play store
Main Success Scenario:	User can use government emergency helpline service 999 when they don't have internet connection
Extensions:	None
Frequency of Use:	Always when user need
Status:	Under Development
Owner:	Kh Rifat Amin & Sanjida Aziz Tonny
Priority:	High

ID:	5007
Title:	Blood Bank
Description:	Users can locate blood donor according to his need
Primary Actor:	User
Preconditions:	Android Device, Internet Connection & Login
Postconditions:	Install/Update google map from play store
Main Success Scenario:	Users can find blood donor in emergency situation
Extensions:	If the user doesn't have internet connection, he/she will not be able to access this feature
Frequency of Use:	Always when user need
Status:	Under Development
Owner:	S. M. Tasnimul Hasan & Md Zahidul Haque
Priority:	High

3. User Stories:

If a situation occurs that a user forgot his user password, there will be a window to reset it by confirming his identity. The application will send the user a verification code in his email id or phone number to confirm his identity and will let him reset the password.

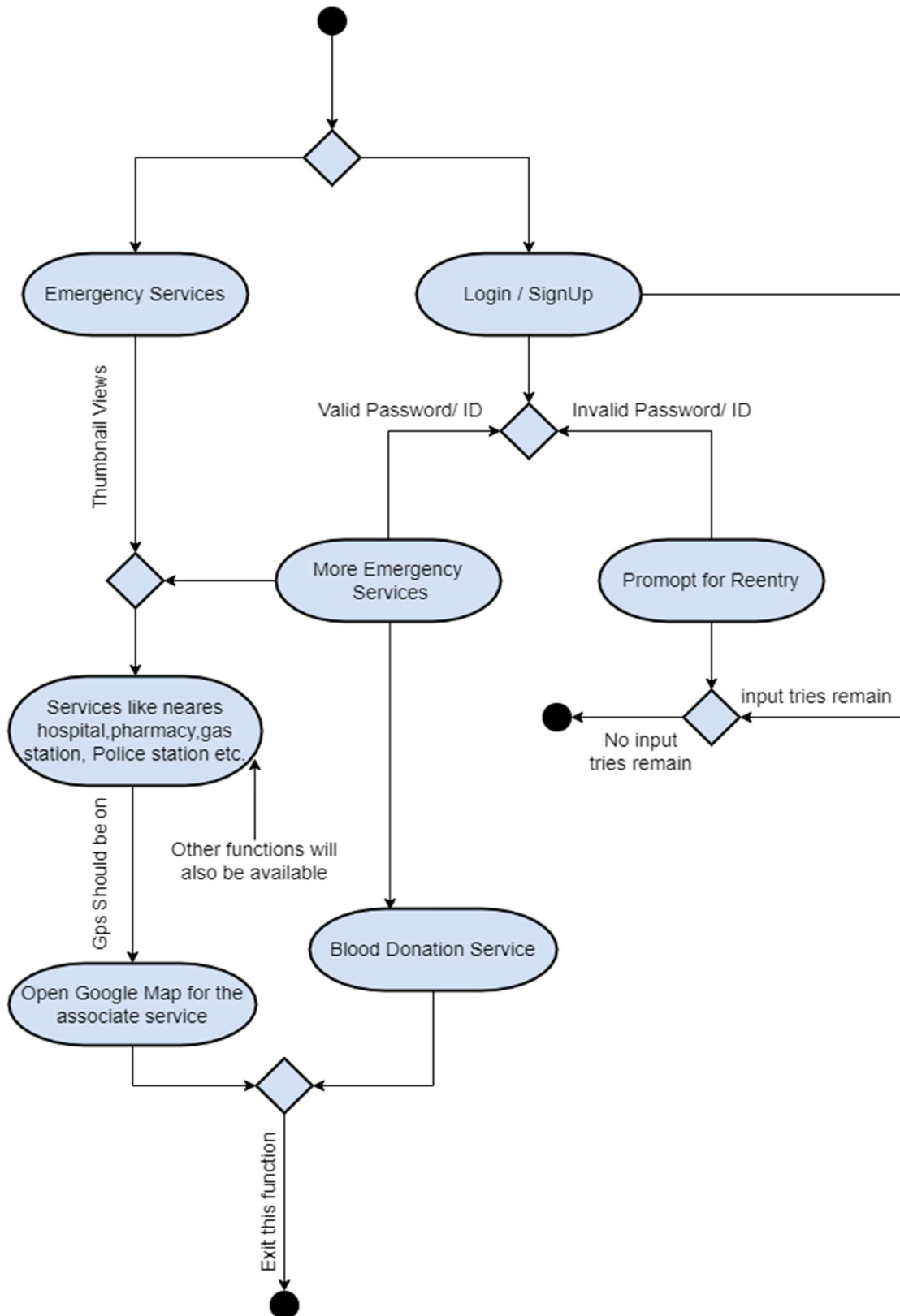
At the time of emergency if a situation occurs that the user can not connect to internet, the application will offer a feature to call any government emergency service like 999 by one click.

If a user in need of emergency blood and can't connect with any donor for some reason then he can ask for emergency service which will send the desired blood donors a notification of the need of blood.

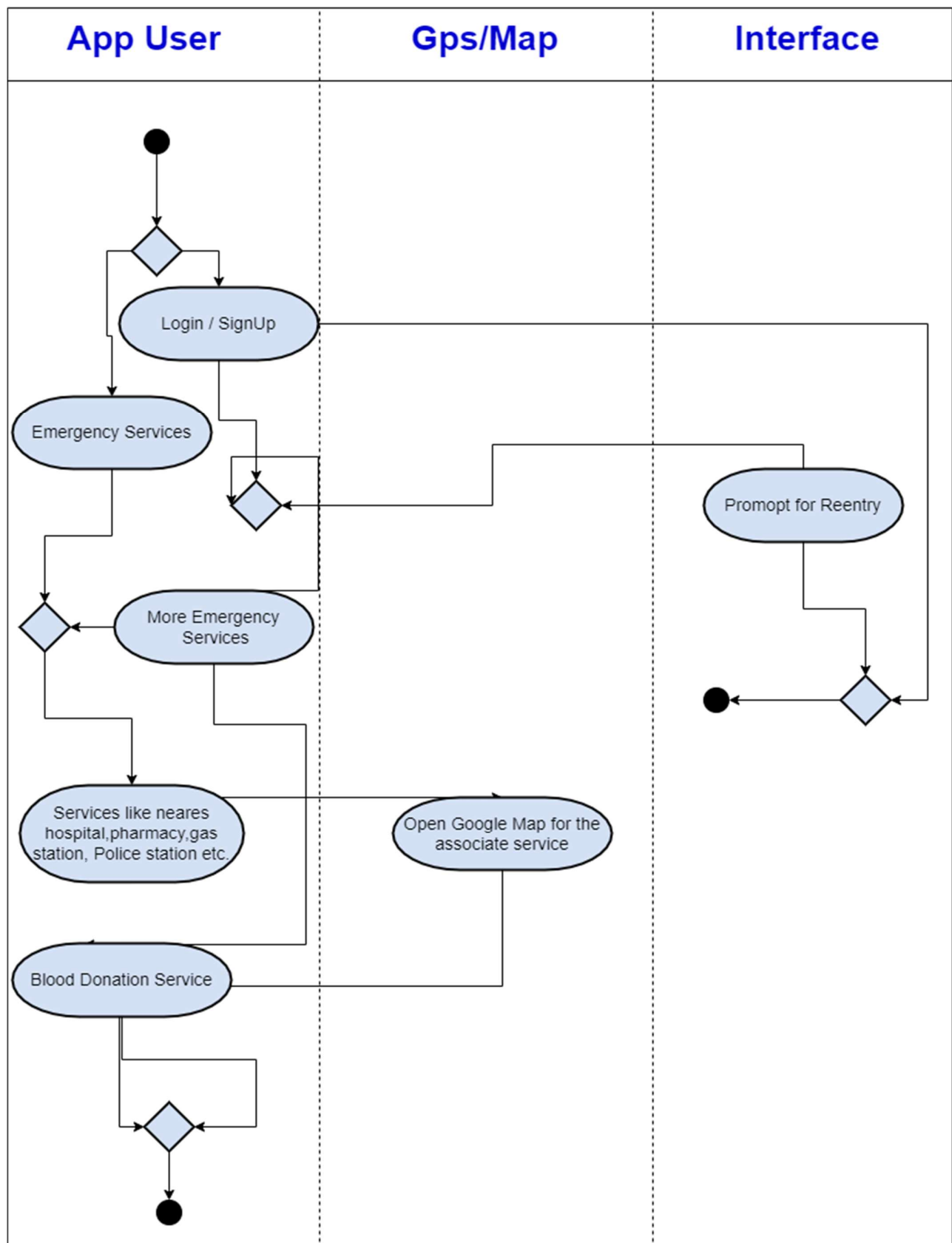
In any case someone in need of emergency help and could reach his phone, there will be a facility to ask for help through any smart watch.

The application will save the previous shared location of a requester to trace him if the GPS system stops working for any technical issue.

4. State Diagram:



5. Swim Lane Diagram:



6. Class Names:

1. Home
2. Emergency
3. Send Location
4. Login
5. Signup
6. Emergency(logged in)
7. Blood Bank

7. CRC:

Class: Home	
Home page for user after opening the application	
Responsibility:	Collaborator:
Creates user interface after opening the app	Emergency
Shows options of emergency and login	Login

Class: Emergency	
Emergency services without login	
Responsibility:	Collaborator:
Shows nearby Hospital, Police station, Pharmacy, ATM booth, Fuel station	Send Location
Direct Call to 999	
Shows send location service option	

Class: Send Location	
Sending current location by one tap	
Responsibility:	Collaborator:
Choose contact number from phone	
Enter phone number manually	
Get current location and send to selected number	

Class: Login	
User interface for login	
Responsibility:	Collaborator:
Takes user input for email and password.	Signup
Recovers password if forgotten	Emergency
Shows option for creating new account	

Class: Signup	
User interface for login	
Responsibility:	Collaborator:
Takes user input for name, email, phone no, location, blood group, password	Login
Saves information as blood donor	
Creates new user account	

Class: Emergency(logged in)	
Emergency services logged in users	
Responsibility:	Collaborator:
Shows nearby Hospital, Police station, Pharmacy, ATM booth, Fuel station	Send Location
Direct Call to 999	Blood Bank
Shows blood bank service option	
Shows send location service option	

Class: Blood bank	
Finding Blood donor from different groups	
Responsibility:	Collaborator:
Selects specific blood group	
Shows donors from selected group	
Gives detailed information about donors	

8. Class Diagram:

