

(Friend In Need)

Prepared for

Dr. -Ing. Nusrat Jahan Lisa, Assistant professor A. K. M. Ahsanul Hoque, Assistant professor

Prepared by

Lab Section: B2

Kh. Rifat Amin, 180204116

Fazlay Elahi Safin, 180204119

Sanjida Aziz Tonny, 180204122

Md Zahidul Haque, 180204136

S.M Tasnimul Hasan, 180204142

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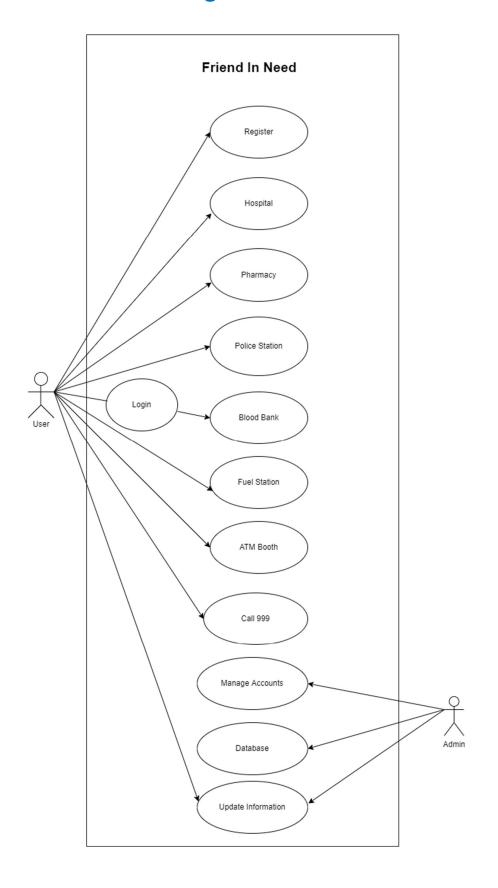
Ahsanullah University of Science and Technology

Department of Computer Science and Engineering

Table of Contents

Contents	Page no
1. Use Case Diagram	03
2. Use Case Narratives	04
3. User Stories	11
4. State Diagram	12
5. Swim Lane Diagram	13
6. Class Names	14
7. CRC	14
8. Class Diagram	16

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.

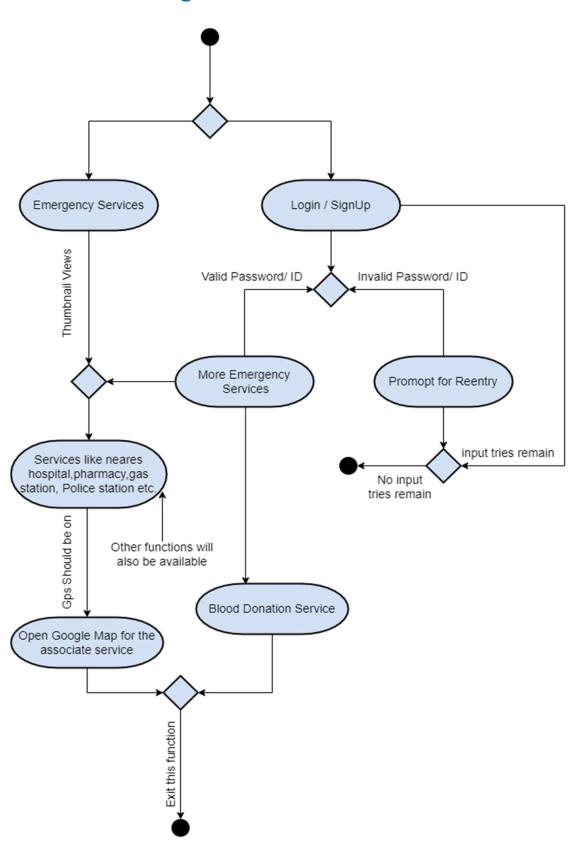
At the time of emergency if a situation occurs that the user can not connect to internet, the application will offer a feature to call any government emergency service like 999 by one click.

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.

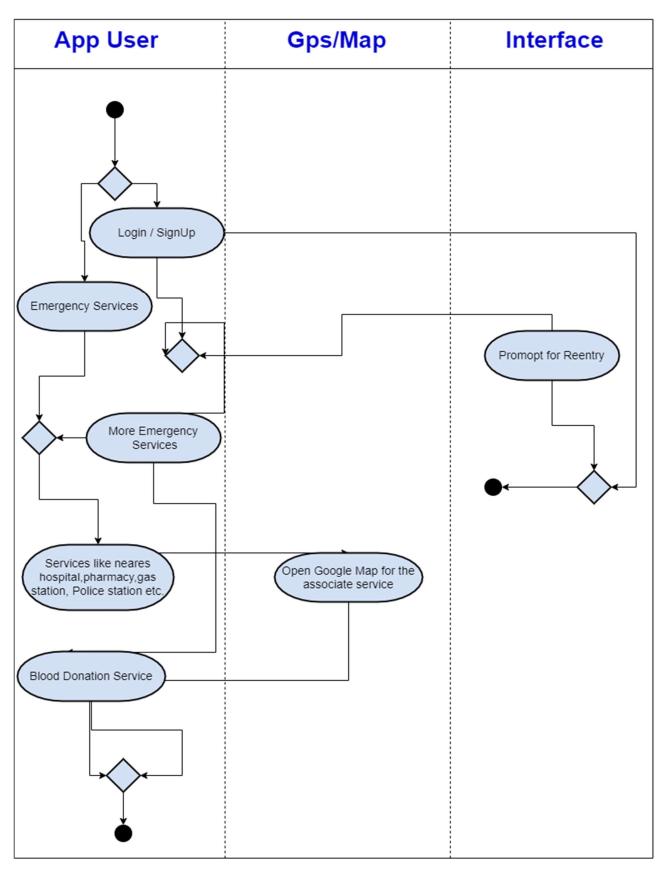
In any case someone in need of emergency help and could reach his phone, there will be a facility to ask for help though any smart watch.

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	Emergency	
opening the app		
Shows options of emergency and	Login	
login		

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

Class: Send Location		
Sending current location by one tap		
Dognovci bility u	Collaborator:	
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	Signup
password.	
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,	Login
phone no, location, blood group,	
password	
Saves information as blood donor	
Creates new user account	

Class: Emergency(logged in)		
Emergency services logged in users		
Responsibility:	Collaborator:	
Shows nearby Hospital, Police	Send Location	
station, Pharmacy, ATM booth,		
Fuel station		
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:

