



**Cégep de la Gaspésie
et des Îles**

CAMPUS DE MONTRÉAL

**Final Project Report
on**



RESCUE NOW
POCKET FIRST AID KIT

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1. INTRODUCTION

What is First Aid ?

First aid is the first and immediate assistance given to any person suffering from either a minor or serious illness or injury, with care provided to preserve life, prevent the condition from worsening, or to promote recovery.

First aid refers to the emergency or immediate care you should provide when a person is injured or ill until full medical treatment is available. For minor conditions, first aid care may be enough. For serious problems, first aid care should be continued until more advanced care becomes available.

First aid is vital for saving lives. A person can carry out first aid after a life-threatening incident or injury before the arrival of emergency services.

Why is First Aid Important?

First Aid knowledge is invaluable for both you as the individual and for your community. It enables you to assist persons who become injured in the event of an accident or emergency situation until help arrives. First Aid skills can be applied in the home, the workplace or in public locations, therefore the more First Aid certified people there are in a community the safer that community becomes.

If an accident happens in the workplace, in your home or in a public space, being a helpless witness to an emergency situation can potentially worsen the situation.

This is why it is very important for as many people as possible to have at least a basic knowledge of First Aid.

About our Application:

Life-threatening injuries and emergencies can happen any time and anywhere, and this app will help the users to empower themselves to save lives. This app will allow users to learn about what to do in multiple medical emergencies, from severe bleeding to broken bones to heart attacks. This documentation briefs about the **Rescue Now** - A First Aid android application, with an overall specification and development process that includes software requirement, UI mockups and UML diagrams.

1.1. Purpose

The purpose of this application is to provide immediate access to first aid treatment. It helps the users to recognize the signs of a medical emergency and what they have to do in order to avoid the loss of life. This document has the requirement specification of the application **Rescue Now** which also specifies the functionality and features of the application. This documentation will help the new developer to understand the project scope, development process and access as a guide for future references.

1.2. Scope

Rescue Now is an android based application. This application can be used by anyone. Be it a child or an adult. In case of an emergency situation, there will be picture and video demonstration for how to perform first aid. Users can sharpen their skills through interactive quizzes and videos, or access simple step-by-step advice to help them respond to an emergency. Apart from this the user can contact the doctors within the application , they can chat with the doctors and make appointments by chatting. Users can use the in application feature of searching nearby hospitals and they can even get the directions from their current location to hospital.

2. SPECIFIC REQUIREMENTS

This section describes the useful requirements that must be implemented to achieve all project goals.

- New users can register with the Rescue Now application either as a doctor or patient.
- If a user is registered as patient, he needs to provide additional information in order to complete the profile.
- As a **patient**, the user needs to provide his age, gender and location.
- As a **doctor**, along with age, gender and location, a field of specialization is also necessary.
- After login, the application checks if the authenticated user is a doctor or patient and shows their respective dashboards.
- As a **Patient**, users have access to several functions through the bottom navigation bar.
- The bottom navigation bar consists of options such as Home, Hospitals, Chat.
- In Home fragment, users can **search** for illness types by inputting their symptoms.
- App **checks** the symptoms with the database and returns the list of possible diseases with remedies.
- Patients also have the option to view videos on how to take precautions at the end of the list.
- Patients can consult available doctors by sending a message to them through a chat option.
- Patients can search for nearby hospitals in google maps or search for specialized surgeons nearby.
- Patient can change his settings through profile settings.
- User as a Doctor, users have access to functions such as view patients, modify list of available symptoms, chat with patients who contacted them.
- Doctors can suggest the patient several remedies and can end the consulting session.
- Both doctor and patient have the same account settings where they can change their profile settings.
- A whole data of remedies, symptoms, precautions are made available in the database and the doctor has the option to modify them from his profile.
- The app will ask the user for various Permissions like – Internet, location, microphone, and camera, in order to effectively use the app.

2.1 Functional Requirements

Requirement ID	Requirement	MUST/SHOULD/WOULD	Comments
FR01	Rescue Now Application must have a sign-up screen, where user can register as patient or doctor	MUST	System checks the firebase database for the information entered by the user whether it already exists or not. If it exists, “ Email Id already exists ” is shown to the user. Users can only be a doctor or a patient but not both.

FR02	Rescue now application has a login screen where the user enters his email id and password.	Must	System checks the credentials and authenticates the user. If a user exists in the database, the user is referred to either the patient dashboard or doctor dashboard based on the role. If the user doesn't exist, an error message is shown that "Account not found please register."
FR03	After Login/Registration, the user is redirected to the appropriate dashboard (patient or doctor)	Must	The system checks whether the authenticated user is a patient or a doctor and redirects him to an appropriate dashboard.

FR04	The Patient dashboard consists of a bottom navigation bar with 3 fragments. 1.Hospitals, 2.Symptoms questions/search for diseases 3. Chat option to consult with doctors.	Must	As a patient, these three functionalities are important. Hospital fragments consists of google maps with nearby hospitals, search for surgeons, Symptoms fragment consists of symptom questionnaires, search diseases and remedies, Chat options allows users to contact available doctors and know more about their symptoms and take precautions.
FR05	Patient dashboard consists of Profile settings button logout option on toolbar	Must	It should be easier to logout of the application at a single click and it is important to handle user sessions throughout the lifecycle of the application.

FR06	Patient Profile settings	Must	The system allows the user to modify his/her profile easily and save it to the database.
FR07	The Symptoms Fragment, consists of two more fragments where initially user search for his symptoms and gets a list of possible diseases/problems	should	The system shall filter all the diseases with entered symptoms.
FR08	As a doctor, the User dashboard contains 3 main fragments. 1. View patients, 2. Modify diseases/symptoms, 3. Chat session with patients	Must	As a doctor, these three functionalities are important. View Patient fragment consists of list of available patients, Modify Fragment allows doctor to modify the diseases/symptoms/ add new diseases. Chat options allow doctors to respond to consulted patients and provide necessary help and advice.

FR09	At the end of the Symptoms list, users have the option to check for video with similar symptoms and precautions to take.	would	The system shall show appropriate videos from youtube using youtube api.
FR10	Application will have a patient profile with his personal information. It will be displayed during the chat session to the doctor.	Would	The system shall use the database to retrieve information about the patient and should display it on the profile page, chat session with doctor.
FR11	The patient must be able to modify his profile details	Must	The system shall update the database to update information about profile details.
FR12	The patient/doctor shall be able to change his profile picture.	Should	The system shall update the database to modify the user's profile information.

FR13	The user shall receive any new notifications regarding messages, new diseases etc.	would	The system shall use the cloud notifications.
FR14	The Application will have a navigation drawer where it has app logo and name, profile settings, logout option	Would	The system will perform necessary functions based on user selection
FR15	The User must have the option of Log out/sign out.	Must	The system shall log out the user from the application.
FR16	The Application must ask the user permission for location access.	Must	The system must ask the user to set permissions to access location services.
FR17	The user shall be able to view the hospital's locations on the map.	Must	The system has integrated maps system and shows to user

2.2 Non Functional Requirements

Requirement ID	Requirement Statement	MUST/COULD/SHOULD/WOULD	Comments
NFR1-	The platform must be Android and minimum version should be Android 5.0 and above.	SHOULD	Required version must be there.
NFR2-	Application should respond quickly in a few seconds.	SHOULD	Data accessing time should be less than 5 seconds.
NFR3-	The Application will maintain the user sessions in order to resume from the dashboard instead of opening the login screen	MUST	Security and Feasibility is a important factor
NFR4-	The Application will be connected to internet in order to send or receive messages between patients and doctors	MUST	Internet connection is a must.

NFR5-	In case the system is crashed the recovery system should provide the last stable version.	MUST	Back-up is a must.
NFR6-	The Application's diseases and symptom information can be maintained easily by the doctors	COULD	Doctors could modify the information of diseases and the symptoms.
NFR7-	The symptoms information should be available to users at all times.	MUST	Firestore database offline persistence should be enabled

3. WIREFRAMES DESIGNS

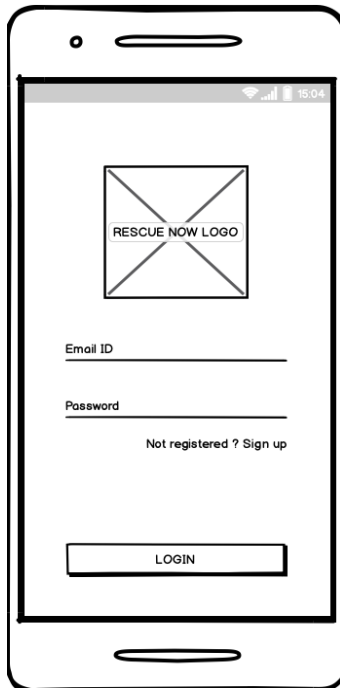


Fig 1. Login Screen

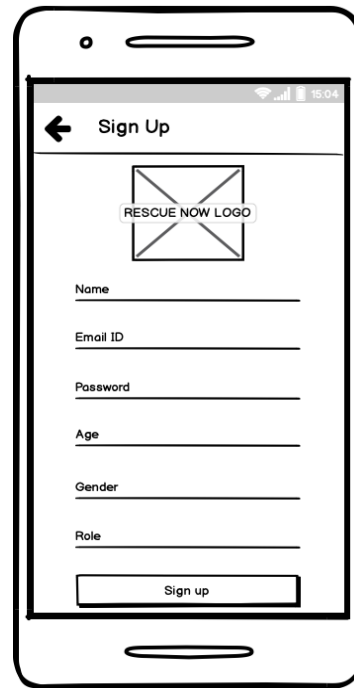


Fig 2. Sign up Screen

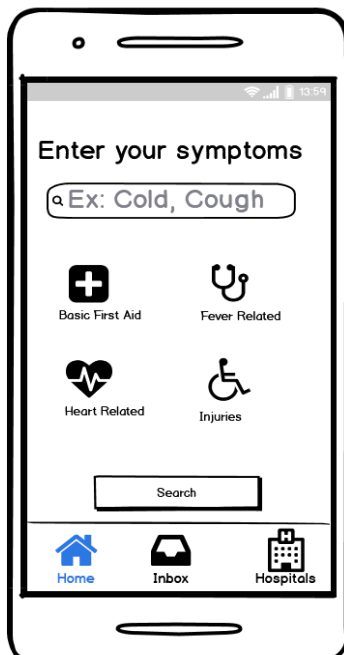


Fig 3. Patient Dashboard Screen

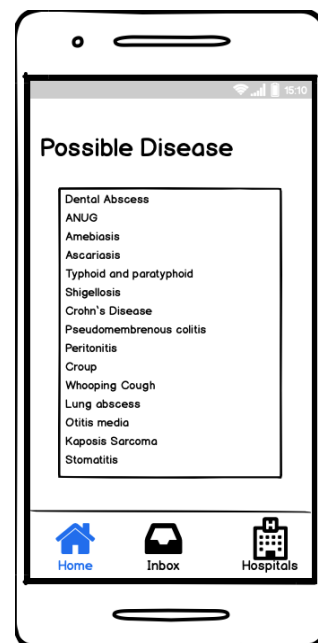


Fig 4. Possible Diseases Screen

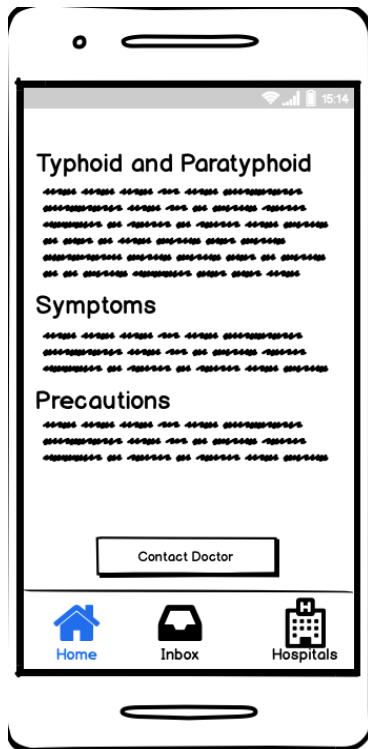


Fig 5. Disease Description

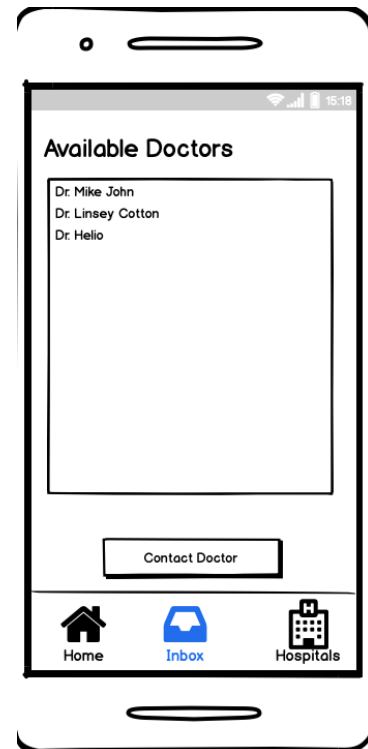


Fig 6. Available Doctors Screen



Fig 7. Doctor Chat Screen



Fig 8. Nearby Hospitals Screen

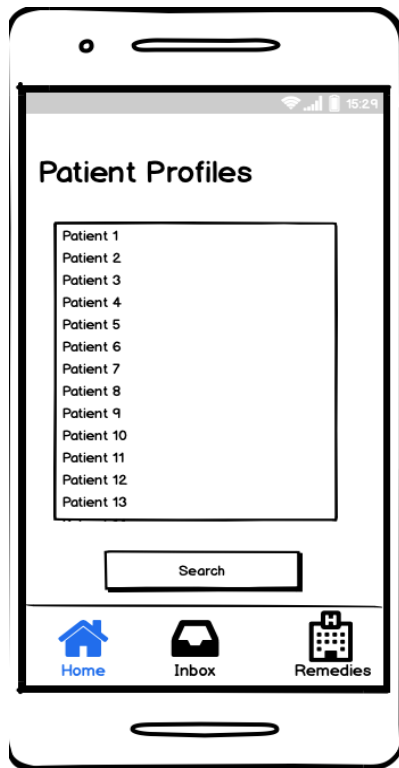


Fig 9. Available Patients Screen

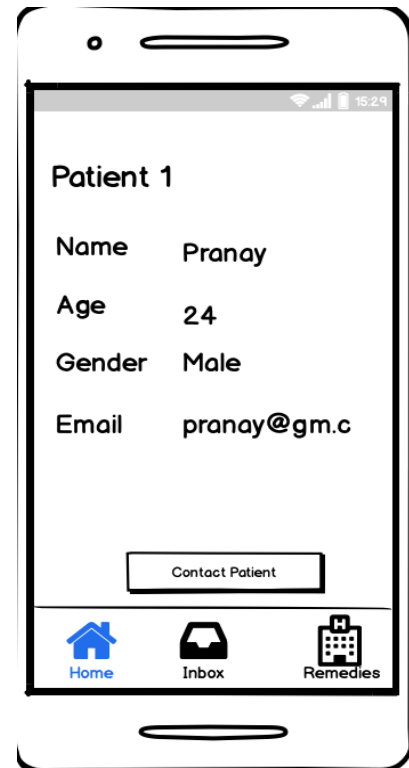


Fig 10. Patients Profile Screen

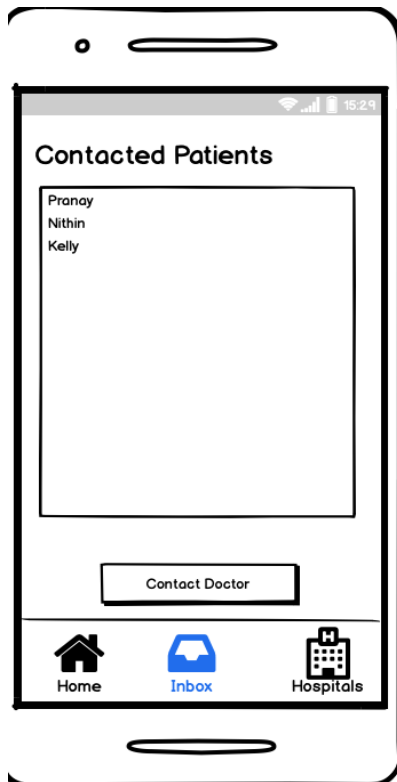


Fig 11. Available Patients Screen

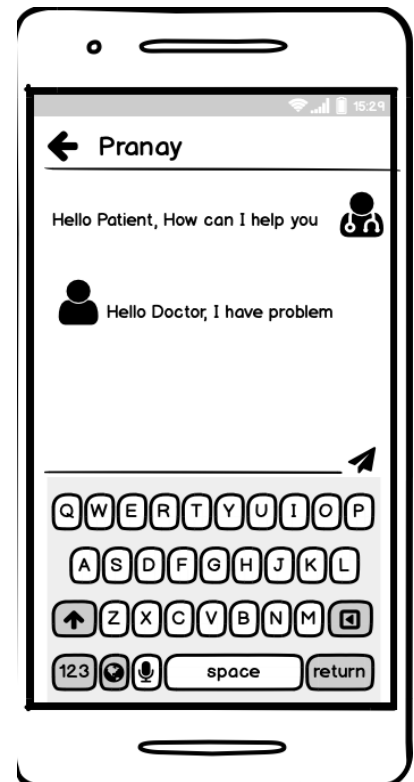


Fig 12. Doctors Chat Screen

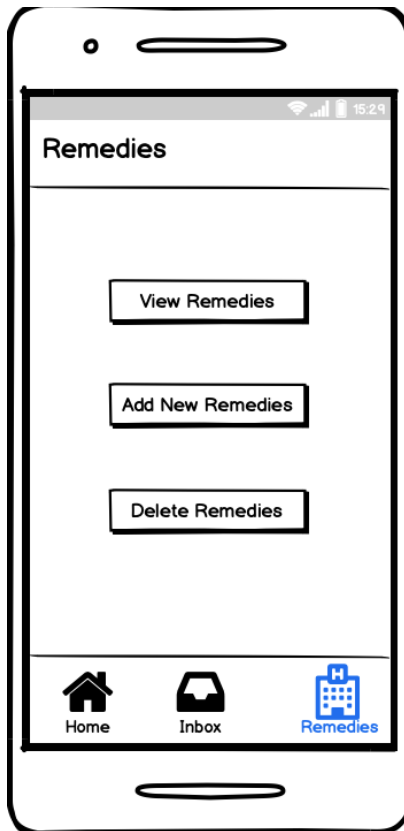


Fig 13. Modify/Add Remedies

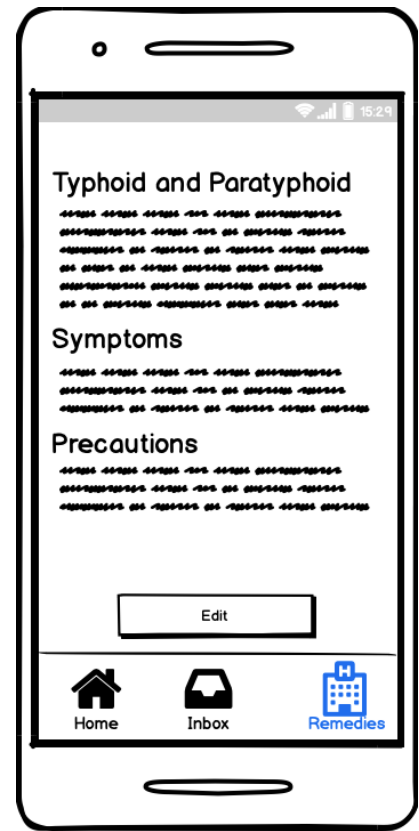
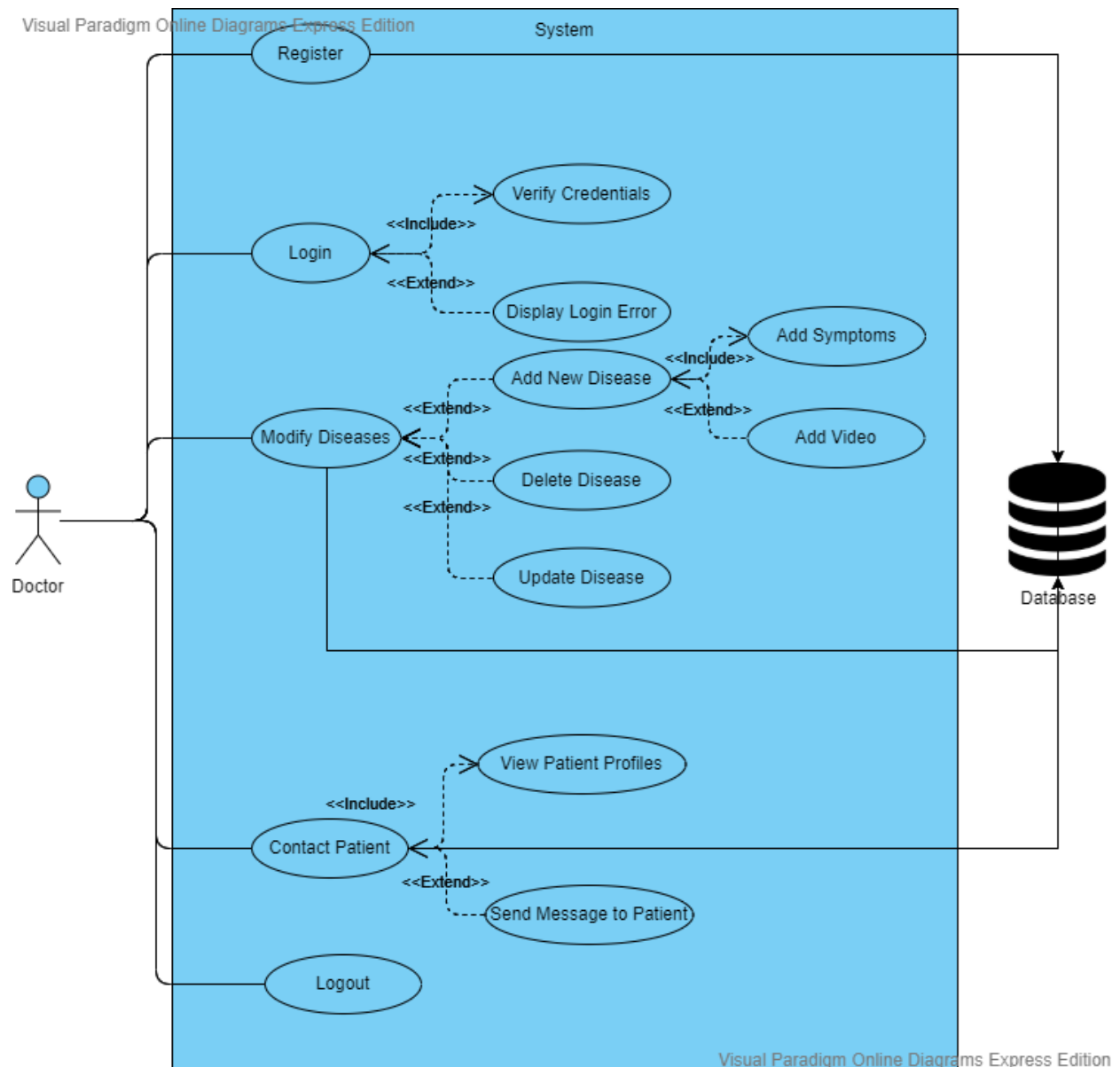


Fig 12. View Remedies Screen

4. ANALYSIS MODELS

4.1 Use Case Diagram Doctor Role



4.1.1 Use case Scenarios for Doctor Role:

UC1: Sign up for Doctor Role
UC2: login for Doctor Role
UC3: Contact Patient
UC4: Add a disease
UC5: Update a disease
UC6: Delete a disease
UC7: Add a remedy
UC8: Update a remedy
UC9: Add a Video
UC10: View Patient Profile
UC11: Logout

UC-1: Sign Up for Doctor Role.

System:	A Mobile Application – Rescue App
Identifier:	UC-1
Author(s):	Team 4
Version:	None
Name:	Sign Up Doctor Role
Pre-Condition(s):	The user is non-registered and does not have an account on Rescue Application.
Post-Conditions	The user is directed to the Login Page of the Rescue Application.
Trigger:	The user has clicked on the Sign Up button.
Normal Flow:	<ol style="list-style-type: none">1. User clicks on the Sign Up button to create the user profile.2. User enters the details in the form and sets up the user name and Password.3. If the email is already registered in the database ,a toast message is displayed and the password must contain 6 characters.4. As this is a Doctor the user must enter a valid Key then only he can register.5. A confirmation message is sent to the user in the form of toast .6. User is redirected to the login Page.
Alternate Flow:	
Exceptional Flow(s):	Exception: There is an occurrence of internet connection failure. <ol style="list-style-type: none">1. The system will prompt the message “No Internet Connection, try Again” on the Mobile Application display.
Related Actor(s):	Non Registered User having Valid Key.
Related Use Case(s):	Login

UC-2: Login for Doctor Role

System:	A Mobile Application – Rescue App
Identifier:	UC-1
Author(s):	Team 4
Version:	None
Name:	Login Doctor Role
Pre-Condition(s):	The user is registered and has an account on Rescue Application.
Post-Conditions	The user is directed to the Doctor Dashboard Page of the Rescue Application.
Trigger:	The user has clicked on the Login button.
Normal Flow:	<ol style="list-style-type: none">1. User enters the details in the login page.2. If the user details do not match with the database then it returns an error3. If user details match with the registered user then the user gets logged into the application..4. User is redirected to the Doctor dashboard..
Alternate Flow:	
Exceptional Flow(s):	Exception: There is an occurrence of internet connection failure. <ol style="list-style-type: none">1. The system will prompt the message “No Internet Connection, try Again” on the Mobile Application display.
Related Actor(s):	Registered user with doctor role.
Related Use Case(s):	Signu p

UC-3: Contact Patient

System:	A Mobile Application – Rescue App
Identifier:	UC-1
Author(s):	Team 4
Version:	None
Name:	Contact Patient
Pre-Condition(s):	The user is registered and has an account on Rescue Application.
Post-Conditions	The user is directed to the Chat screen of the Rescue Application.
Trigger:	The user has clicked on the Contact Patient button.
Normal Flow:	<ol style="list-style-type: none">1. User Selects the patient to contact form the list present in the Rescue App.2. The User can send messages to the patients directly.3. The user can delete the whole conversation with the patient .4. User is redirected to the Doctor dashboard.
Alternate Flow:	
Exceptional Flow(s):	Exception: There is an occurrence of internet connection failure. <ol style="list-style-type: none">1. The system will prompt the message “No Internet Connection, try Again” on the Mobile Application display.
Related Actor(s):	Registered user with doctor role.
Related Use Case(s):	Login

UC-4: Add a disease

System:	A Mobile Application – Rescue App
Identifier:	UC-1
Author(s):	Team 4
Version:	None
Name:	Add a Disease
Pre-Condition(s):	The user is registered and has an account on Rescue Application.
Post-Conditions	The user is directed to the Doctor Dashboard of the Rescue Application.
Trigger:	The user has clicked on the Add a Disease button.
Normal Flow:	<ol style="list-style-type: none">1. User adds the information related to the new disease with the symptoms and saves it.2. User is redirected to the Doctor dashboard.
Alternate Flow:	
Exceptional Flow(s):	Exception: There is an occurrence of internet connection failure. <ol style="list-style-type: none">1. The system will prompt the message “No Internet Connection, try Again” on the Mobile Application display.
Related Actor(s):	Registered user with doctor role.
Related Use Case(s):	Login

UC-5: Update a disease

System:	A Mobile Application – Rescue App
Identifier:	UC-1
Author(s):	Team 4
Version:	None
Name:	Update a Disease
Pre-Condition(s):	The user is registered and has an account on Rescue Application.
Post-Conditions	The user is directed to the Doctor Dashboard of the Rescue Application.
Trigger:	The user has clicked on the Update a Disease button.
Normal Flow:	<ol style="list-style-type: none">1. User selects the disease from the list to modify.2. User makes the information related changes to the disease with the symptoms and saves it.3. User is redirected to the Doctor dashboard.
Alternate Flow:	
Exceptional Flow(s):	Exception: There is an occurrence of internet connection failure. <ol style="list-style-type: none">1. The system will prompt the message “No Internet Connection, try Again” on the Mobile Application display.
Related Actor(s):	Registered user with doctor role.
Related Use Case(s):	Login

UC-6: Delete a disease

System:	A Mobile Application – Rescue App
Identifier:	UC-1
Author(s):	Team 4
Version:	None
Name:	Delete a Disease
Pre-Condition(s):	The user is registered and has an account on Rescue Application.
Post-Conditions	The user is directed to the Doctor Dashboard of the Rescue Application.
Trigger:	The user has clicked on the Delete Disease button.
Normal Flow:	<ol style="list-style-type: none">1. User selects the disease from the list to Delete.2. User Deletes the disease and its associated remedies and videos are also deleted.3. User is redirected to the Doctor dashboard.
Alternate Flow:	
Exceptional Flow(s):	Exception: There is an occurrence of internet connection failure. <ol style="list-style-type: none">1. The system will prompt the message “No Internet Connection, try Again” on the Mobile Application display.
Related Actor(s):	Registered user with doctor role.
Related Use Case(s):	Login

UC-7: Add a remedy

System:	A Mobile Application – Rescue App
Identifier:	UC-1
Author(s):	Team 4
Version:	None
Name:	Add a Remedy
Pre-Condition(s):	The user is registered and has an account on Rescue Application.
Post-Conditions	The user is directed to the Doctor Dashboard of the Rescue Application.
Trigger:	The user has clicked on the Add Remedy button.
Normal Flow:	<ol style="list-style-type: none">1. User selects the disease from the list to add a remedy for disease.2. Users add the remedy to the associated disease and saved.3. User is redirected to the Doctor dashboard.
Alternate Flow:	
Exceptional Flow(s):	Exception: There is an occurrence of internet connection failure. <ol style="list-style-type: none">1. The system will prompt the message “No Internet Connection, try Again” on the Mobile Application display.
Related Actor(s):	Registered user with doctor role.
Related Use Case(s):	Login

UC-8 : Update a remedy

System:	A Mobile Application – Rescue App
Identifier:	UC-1
Author(s):	Team 4
Version:	None
Name:	Update a Remedy
Pre-Condition(s):	The user is registered and has an account on Rescue Application.
Post-Conditions	The user is directed to the Doctor Dashboard of the Rescue Application.
Trigger:	The user has clicked on the Update Remedy button.
Normal Flow:	<ol style="list-style-type: none">1. User selects the disease from the list and its associated remedy to modify.2. Users modify the remedy to the associated disease and save.3. User is redirected to the Doctor dashboard.
Alternate Flow:	
Exceptional Flow(s):	Exception: There is an occurrence of internet connection failure. <ol style="list-style-type: none">1. The system will prompt the message “No Internet Connection, try Again” on the Mobile Application display.
Related Actor(s):	Registered user with doctor role.
Related Use Case(s):	Login

UC-9 : Add a Video

System:	A Mobile Application – Rescue App
Identifier:	UC-1
Author(s):	Team 4
Version:	None
Name:	Add a video.
Pre-Condition(s):	The user is registered and has an account on Rescue Application.
Post-Conditions	The user is directed to the Doctor Dashboard of the Rescue Application.
Trigger:	The user has clicked on the Add a Video button.
Normal Flow:	<ol style="list-style-type: none">1. User selects the disease from the list .2. Users add the Video to the associated disease and save.3. User is redirected to the Doctor dashboard.
Alternate Flow:	
Exceptional Flow(s):	Exception: There is an occurrence of internet connection failure. <ol style="list-style-type: none">1. The system will prompt the message “No Internet Connection, try Again” on the Mobile Application display.
Related Actor(s):	Registered user with doctor role.
Related Use Case(s):	Login

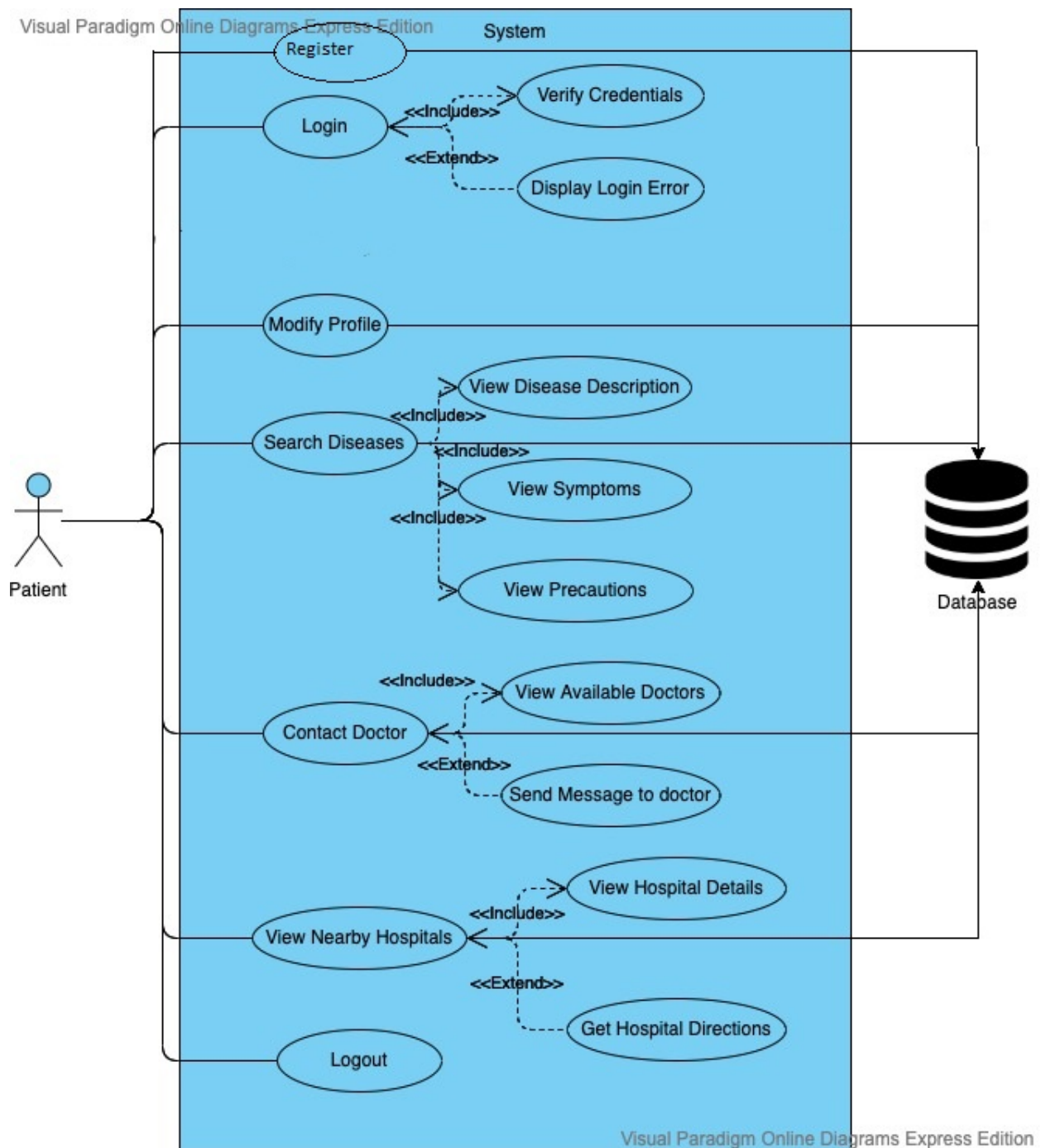
UC-10 : View Patient Profile

System:	A Mobile Application – Rescue App
Identifier:	UC-1
Author(s):	Team 4
Version:	None
Name:	View Patient profile.
Pre-Condition(s):	The user is registered and has an account on Rescue Application.
Post-Conditions	The user is directed to the Doctor Dashboard of the Rescue Application.
Trigger:	The user has clicked on the View Patient button.
Normal Flow:	<ol style="list-style-type: none">1. Users select the Patients from the list.2. Users view the patients profile.
Alternate Flow:	
Exceptional Flow(s):	Exception: There is an occurrence of internet connection failure. <ol style="list-style-type: none">1. The system will prompt the message “No Internet Connection, try Again” on the Mobile Application display.
Related Actor(s):	Registered user with doctor role.
Related Use Case(s):	Login

UC-11: Logout

System:	A Mobile Application – Rescue App
Identifier:	UC-1
Author(s):	Team 4
Version:	None
Name:	Logout
Pre-Condition(s):	The user is registered and has an account on Rescue Application.
Post-Conditions	The user is directed to the login Page of the Rescue Application.
Trigger:	The user has clicked on the Logout button.
Normal Flow:	<ol style="list-style-type: none">1. User clicks the logout button .2. User is directed to the login page of the rescue application.
Alternate Flow:	
Exceptional Flow(s):	Exception: There is an occurrence of internet connection failure. <ol style="list-style-type: none">1. The system will prompt the message “No Internet Connection, try Again” on the Mobile Application display.
Related Actor(s):	Registered user with doctor role.
Related Use Case(s):	Signu p

4.2 Use Case Diagram For Patient



4.2.2 Use case Scenarios for Patient Role:

UC1: Sign up for Patient Role
UC2: login for Patient Role
UC3: Update Profile
UC4: Search Symptoms
UC5: Select a disease
UC6: View Video
UC7: Contact Doctor
UC8: View Nearby hospitals
UC9: Get Hospital Directions
UC10: Logout

UC-1: Sign Up for Patient Role.

System:	A Mobile Application – Rescue App
Identifier:	UC-1
Author(s):	Team 4
Version:	None
Name:	Sign Up Patient Role
Pre-Condition(s):	The user is non-registered and does not have an account on Rescue Application.
Post-Conditions	The user is directed to the Login Page of the Rescue Application.
Trigger:	The user has clicked on the Sign Up button.
Normal Flow:	<ol style="list-style-type: none">1. User clicks on the Sign Up button to create the user profile.2. User enters the details in the form and sets up the user name and Password.3. If the email is already registered in the database ,a toast message is displayed and the password must contain 6 characters.4. A confirmation message is sent to the user in the form of toast .5. User is redirected to the login Page.
Alternate Flow:	
Exceptional Flow(s):	Exception: There is an occurrence of internet connection failure. <ol style="list-style-type: none">1. The system will prompt the message “No Internet Connection, try Again” on the Mobile Application display.
Related Actor(s):	Non Registered User.
Related Use Case(s):	Login

UC-2: Login for Patient Role

System:	A Mobile Application – Rescue App
Identifier:	UC-1
Author(s):	Team 4
Version:	None
Name:	Login Patient Role
Pre-Condition(s):	The user is registered and has an account on Rescue Application.
Post-Conditions	The user is directed to the Patient Dashboard Page of the Rescue Application.
Trigger:	The user has clicked on the Login button.
Normal Flow:	<ol style="list-style-type: none">1. User enters the details in the login page.2. If the user details do not match with the database then it returns an error3. If user details match with the registered user then the user gets logged into the application..4. User is redirected to the patient dashboard..
Alternate Flow:	
Exceptional Flow(s):	Exception: There is an occurrence of internet connection failure. <ol style="list-style-type: none">1. The system will prompt the message “No Internet Connection, try Again” on the Mobile Application display.
Related Actor(s):	Registered user with Patient role.
Related Use Case(s):	Signu p

UC-3:Update Profile

System:	A Mobile Application – Rescue App
Identifier:	UC-1
Author(s):	Team 4
Version:	None
Name:	Update Profile
Pre-Condition(s):	The user is registered and has an account on Rescue Application.
Post-Conditions	The user is directed to the Patient Dashboard of the Rescue Application.
Trigger:	The user has clicked on the Update Profile button.
Normal Flow:	<ol style="list-style-type: none">1. User selects the details from the list to modify.2. User makes the information related changes to the Profile and saves it.3. User is redirected to the Patient dashboard.
Alternate Flow:	
Exceptional Flow(s):	Exception: There is an occurrence of internet connection failure. <ol style="list-style-type: none">1. The system will prompt the message “No Internet Connection, try Again” on the Mobile Application display.
Related Actor(s):	Registered user with Patient role.
Related Use Case(s):	Login

UC-4: Search for symptoms

System:	A Mobile Application – Rescue App
Identifier:	UC-1
Author(s):	Team 4
Version:	None
Name:	Search
Pre-Condition(s):	The user is registered and has an account on Rescue Application.
Post-Conditions	The user is directed to the List of disease page of the Rescue Application.
Trigger:	The user has clicked on the Search button.
Normal Flow:	<ol style="list-style-type: none">1. Users enter the Symptoms in the search bar.2. A list of possible diseases will be shown to the users.3. User selects one of the diseases to see the remedies and videos .4. If a user clicks on the video it redirects to the video and starts playing the video.
Alternate Flow:	
Exceptional Flow(s):	Exception: There is an occurrence of internet connection failure. <ol style="list-style-type: none">1. The system will prompt the message “No Internet Connection, try Again” on the Mobile Application display.
Related Actor(s):	Registered user with Patient role.
Related Use Case(s):	Login

UC-6: View a Video

System:	A Mobile Application – Rescue App
Identifier:	UC-1
Author(s):	Team 4
Version:	None
Name:	Search
Pre-Condition(s):	The user is registered and has an account on Rescue Application.
Post-Conditions	The user is directed to the selected disease page of the Rescue Application.
Trigger:	The user has selected one of the diseases from categories.
	<ol style="list-style-type: none">1. The user has selected one of the diseases from categories.2. Users view one of the diseases to see the remedies and videos .3. If a user clicks on the video it redirects to the video and starts playing the video.
Alternate Flow:	
Exceptional Flow(s):	Exception: There is an occurrence of internet connection failure. <ol style="list-style-type: none">1. The system will prompt the message “No Internet Connection, try Again” on the Mobile Application display.
Related Actor(s):	Registered user with Patient role.
Related Use Case(s):	Login

UC-5: Select a disease

System:	A Mobile Application – Rescue App
Identifier:	UC-1
Author(s):	Team 4
Version:	None
Name:	Search
Pre-Condition(s):	The user is registered and has an account on Rescue Application.
Post-Conditions	The user is directed to the selected disease page of the Rescue Application.
Trigger:	The user has selected a view video from the disease remedy.
	<ol style="list-style-type: none">1. The user has selected one of the diseases from categories.2. Users view one of the diseases to see the remedies and videos .3. If a user clicks on the video it redirects to the video and starts playing the video.
Alternate Flow:	
Exceptional Flow(s):	Exception: There is an occurrence of internet connection failure. <ol style="list-style-type: none">1. The system will prompt the message “No Internet Connection, try Again” on the Mobile Application display.
Related Actor(s):	Registered user with Patient role.
Related Use Case(s):	Login

UC-7: Contact Doctor

System:	A Mobile Application – Rescue App
Identifier:	UC-1
Author(s):	Team 4
Version:	None
Name:	Contact Doctor
Pre-Condition(s):	The user is registered and has an account on Rescue Application.
Post-Conditions	The user is directed to the Chat screen of the Rescue Application.
Trigger:	The user has clicked on the Contact Doctor button.
Normal Flow:	<ol style="list-style-type: none">1. User Selects the Doctor to contact from the list present in the Rescue App.2. The User can send messages to the Doctors directly.3. After the conversation ,User is redirected to the Patient dashboard.
Alternate Flow:	
Exceptional Flow(s):	Exception: There is an occurrence of internet connection failure. <ol style="list-style-type: none">1. The system will prompt the message “No Internet Connection, try Again” on the Mobile Application display.
Related Actor(s):	Registered user with patient role.
Related Use Case(s):	Login

UC-8: View nearby Hospital

System:	A Mobile Application – Rescue App
Identifier:	UC-1
Author(s):	Team 4
Version:	None
Name:	View nearby Hospital
Pre-Condition(s):	The user is registered and has an account on Rescue Application.
Post-Conditions	The user is directed to the Maps screen of the Rescue Application.
Trigger:	The user has clicked on the View nearby Hospital button.
Normal Flow:	<ol style="list-style-type: none">1. User Clicked on the View nearby Hospital button to see the nearby hospitals.2. The map displays a list of all nearby hospitals to the user.
Alternate Flow:	
Exceptional Flow(s):	Exception: There is an occurrence of internet connection failure. <ol style="list-style-type: none">1. The system will prompt the message “No Internet Connection, try Again” on the Mobile Application display.
Related Actor(s):	Registered user with patient role.
Related Use Case(s):	Login

UC-9: Get Directions to nearby hospital

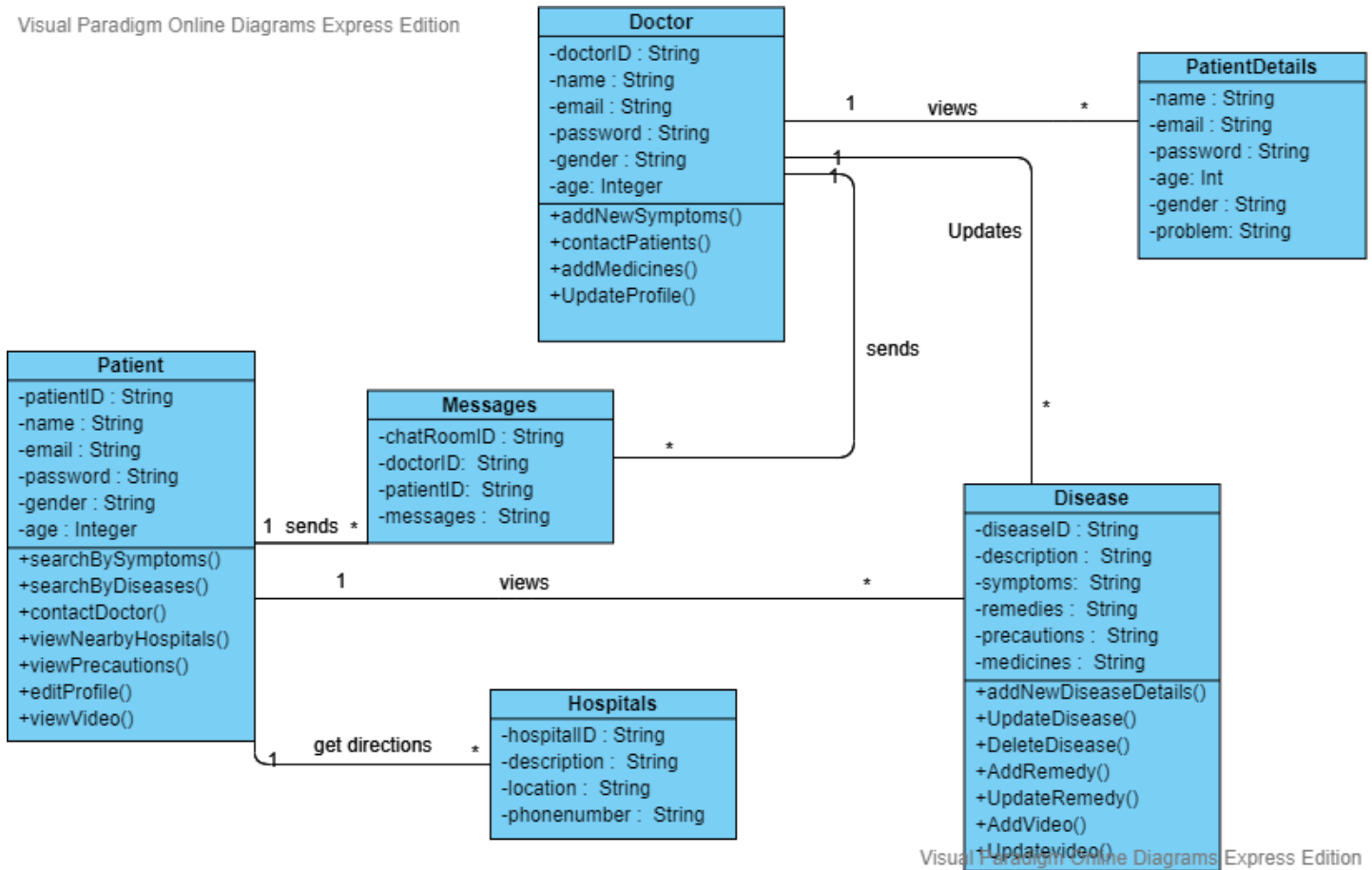
System:	A Mobile Application – Rescue App
Identifier:	UC-1
Author(s):	Team 4
Version:	None
Name:	Direction to nearby Hospital
Pre-Condition(s):	The user is registered and has an account on Rescue Application.
Post-Conditions	The user is directed to the Maps screen of the Rescue Application.
Trigger:	The user has clicked on the Get Directions.
Normal Flow:	<ol style="list-style-type: none">1. User Clicked on the View nearby Hospital button to see the nearby hospitals.2. The map displays a list of all nearby hospitals to the user.3. Then the user selects the hospital from the list and clicks on get directions.4. User is directed to the navigation screen.
Alternate Flow:	
Exceptional Flow(s):	Exception: There is an occurrence of internet connection failure. <ol style="list-style-type: none">1. The system will prompt the message “No Internet Connection, try Again” on the Mobile Application display.
Related Actor(s):	Registered user with patient role.
Related Use Case(s):	Login

UC-10: Logout

System:	A Mobile Application – Rescue App
Identifier:	UC-1
Author(s):	Team 4
Version:	None
Name:	Logout
Pre-Condition(s):	The user is registered and has an account on Rescue Application.
Post-Conditions	The user is directed to the login Page of the Rescue Application.
Trigger:	The user has clicked on the Logout button.
Normal Flow:	<ol style="list-style-type: none">1. User clicks the logout button .2. User is directed to the login page of the rescue application.
Alternate Flow:	
Exceptional Flow(s):	Exception: There is an occurrence of internet connection failure. <ol style="list-style-type: none">1. The system will prompt the message “No Internet Connection, try Again” on the Mobile Application display.
Related Actor(s):	Registered user with Patient role.
Related Use Case(s):	Signup

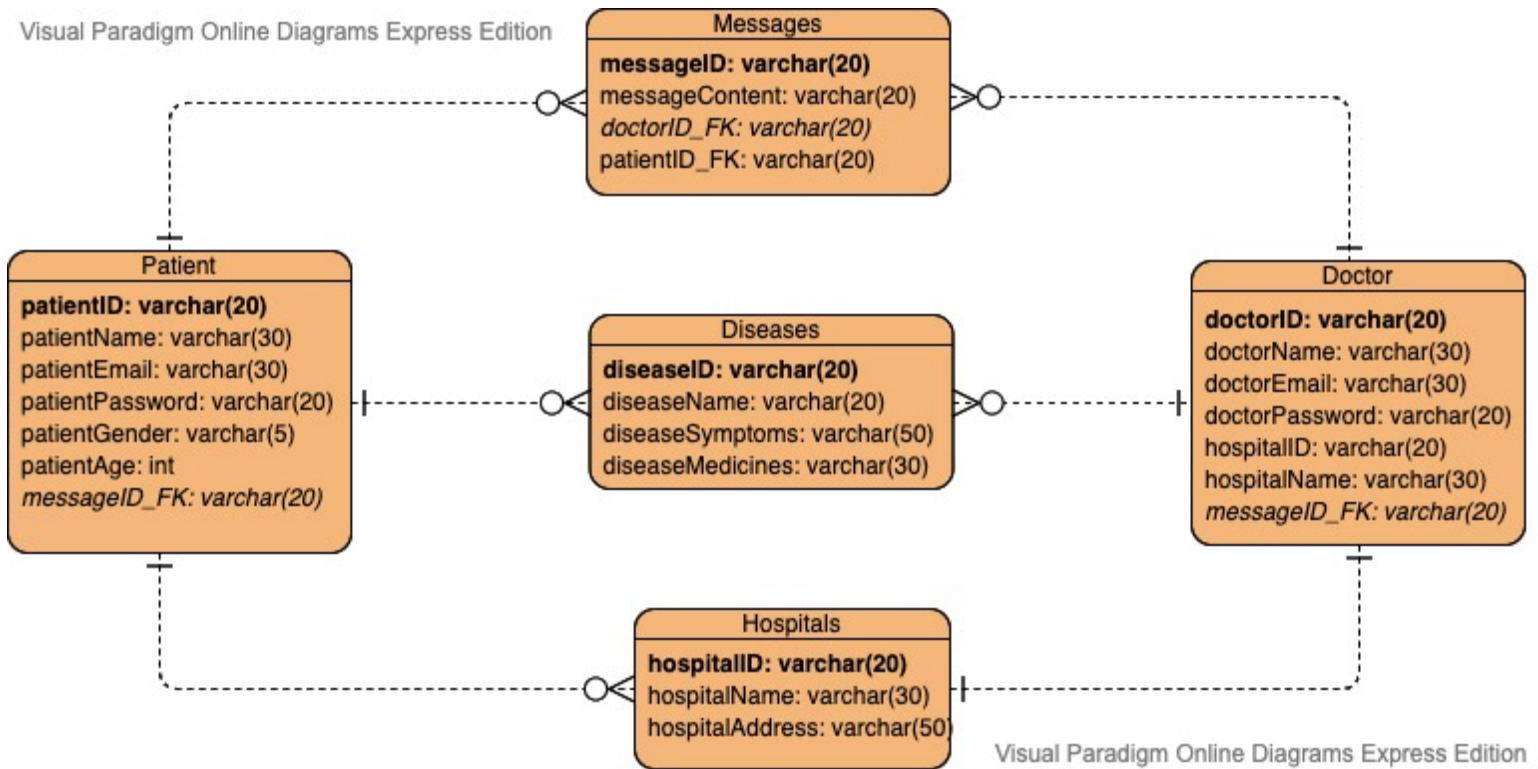
4.3 Class Diagram

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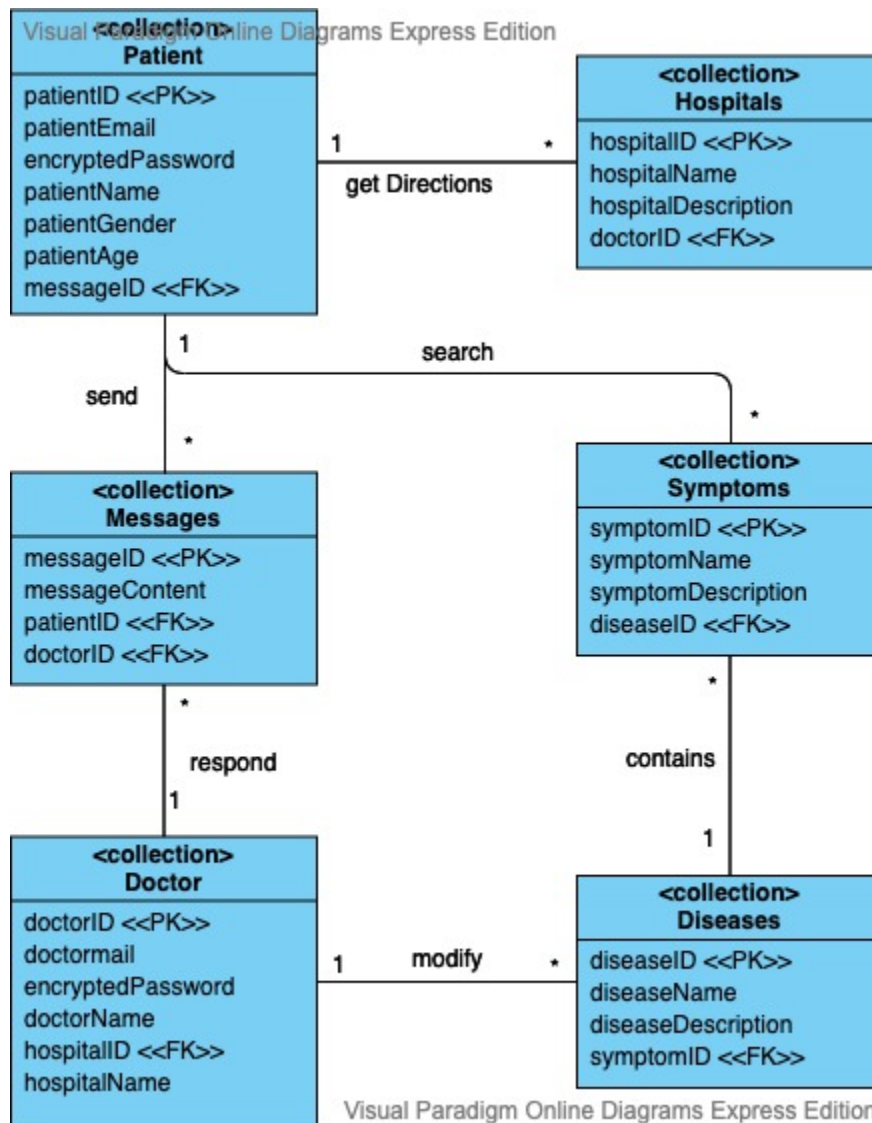


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4.4 Entity Relation Diagram

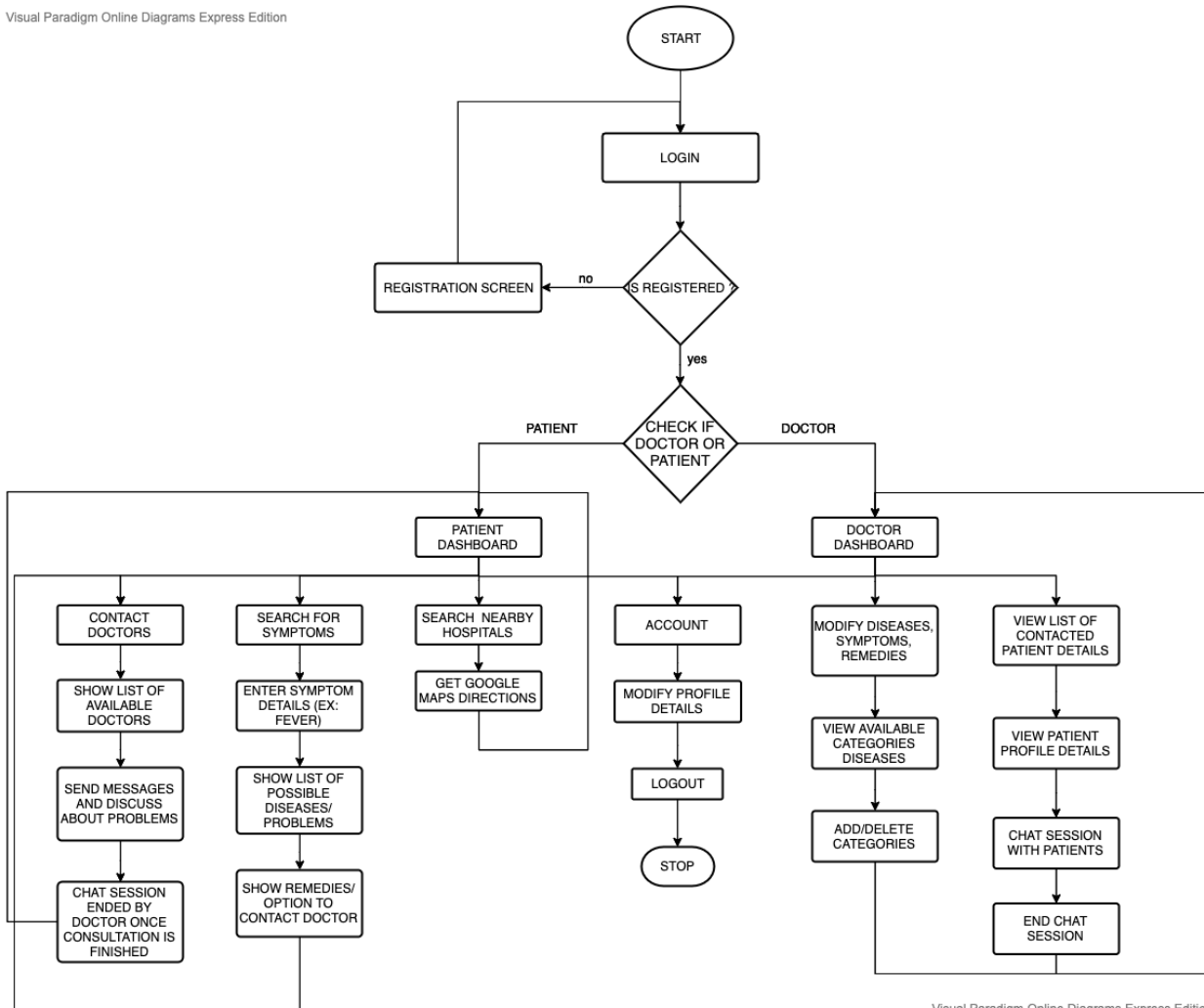


4.5 Conceptual Database Model



4.6 Flow Chart diagram

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