# System Features

## System Feature 1: App Installation

**4.1.1 Description and priority:**

It is a necessity for the user to have an android or an apple phone which enables them to install the app, from the play store(android) or the app store (iOS). The user must have a stable internet connection for uninterrupted downloading and installing purpose.

**4.1.2 Response sequences:**

This app occupies a certain memory in the phone, the app icon is displayed along with other apps on the phone, the app creates its own database on phone, which enables the app to work to its fullest.

### Functional Requirements:

###### The user must be an android or iOS user. The internet is required only for the downloading purposes, sending location, messages, pictures, audio, etc, can be sent without the help of internet (Note: But the network (signal/tower must be strong/stable enough to send the necessary information). Provides a full experience to the user on their iOS or Android smartphone. Most responsive option that is key to usability.

## System Feature 1: Permission /Access

**4.2.1 Description and priority:**

It is needed to identify who is using the application and to keep track of their activity, as well as improve the user experience by making it easier to look through and customize the app without any complicated issues in just a click.

The user can also change the permission/ access whenever they want, it’s purely customized by the user.

**4.2.2 Response sequences:**

When the application is opened, the tracking elements which includes GPS, microphone, camera (front and rear), contacts (NOTE: all these must be given permission at the starting of the installation so that whenever the user, uses the app all the necessary elements will automatically enable themselves.) must be activated and ready to use. The application secured under the customer’s account cannot be opened if no emails or phone number is linked with the app to ensure the information security of user and to confirm the identity of the user. This is an especially important feature for an application for having a secured access. Security is important and hence it comes to top priority. The user must grant all the access permission for the efficient use of this app during emergency.

**4.2.3 Functional Requirements:**

The user can avail the services of the app if and only if he has an account and granted permission to access all the specified condition. The user must provide an access to the contacts, Location, Flashlight, speaker, and GPS (Global Positioning System) tracker so that he/she can choose their emergency contacts to send message or recording, share location with them in case of any emergency

The user will also have the option to **activate the front and rear camera of phone** to capture pictures, videos with audio as soon as they click on the **“Record surroundings”** which is sent to the emergency contacts.

## System Feature 3: User Database

## 4.3.1 Description and priority:

For the proper functioning of the app the user must enter all his specific health issues and other details like name, email, alternat number so that this app also helps the user to track his/her health condition. The user can also update the user database whenever they want, it is purely customized by the user.

**4.3.2 Response sequences:**

This can update the user about their health condition, and its increases the ease for the user to work on this app.

**4.3.3 Functional Requirements**:

The user must ensure all the details he/she enters is accurate for proper care in emergency times(Eg: allergies known, medical conditions etc). The user must spend some valuable time in creating a proper database, as this the core of the app and if entered any erroneous information about the medical conditions or any as such might lead to unwanted seriousness while tending the user to care/hospital, the app may not function according to the user.

Its compulsory for the user to enter his/hers Name, Residential address, work address, nature of work, phone number, Emergency contacts, Blood group, any medical conditions that is concerned, organ donor, medical notes, and address of the emergency contact (all these details must be entered without fail).

Other options are also given which are optional such as known allergies, threats in current or past, medical records, family details, etc.

## System Feature 4: Track Me

**4.4.1 Description and priority:**

Another unique feature of this application is that when the user activates **“Track Me”**,it automatically sends their current location to any two members of the emergency contacts during every interval of time

**4.4.2 Response sequences:**

On enabling track, me, automatically the user's location is shared to all the members of the emergency contacts during every interval of time, this helps the emergency contacts to locate the user and user activities in case of emergency.

**4.4.3 Functional Requirements:**

The user must enable the **“Track Me**” option available exclusively for all app users, the user must set a time slot, so thatduring every interval of time

The user's location is shared with all the members of the emergency contacts which the user must choose while giving access to his/her contacts (must be filled during permission/ access stage)

## System Feature 5: History/Clear History

**4.5.1 Description and priority:**

The user can click on **“History”** where he/she can view the history of locations, pictures, messages, and recordings.

**4.5.2 Response sequences:**

Clicking onto **“History**,” it displays the visited locations of the user, pictures, messages, or recording taken by the user.

The user is also given with an option to clear their history which completely deletes all the data in history database.

**4.5.3 Functional Requirements:**

On using the app to track the surrounding, all these data are stored with prominent level of security in the database in the name of HISTORY and secures some space for this purpose.

If the user wished to delete them all, those data/records in the database are completely deleted, which frees some virtual space it occupies.

## System Feature 6: Update Notification.

4.6.1 **Description and priority:**

This feature mainly focuses when there are any updates, or additional features added to the app. The newly added features will be explained in email.

4.6.2 **Response sequences:**

The user will be notified of any new updates via SMS and email. The user can click on the link given in the mail or the SMS which will directly lead them to the play store ( Android user) or the App store (iOS user) where, they’ll see the “Update” option. These updates might take very less space if needed. After installation, the user can explore and enjoy the newly added features.

4.6.3 **Functional Requirements:**

During updation, the user may need to accept to the terms and conditions before installing. He/she might also need to enable if any other permissions are required for the new update.

NOTE: The user will enjoy all the previously added features until updating the app. There won’t be any disruptions or glitches if the user does/decides not to update the app, it will work perfectly fine with the before features.