**Use Case Scenarios**

**Emergency Help Service**

**Use Cases :**

* Use Case : Signup

Identifier : UC-1

Actors : Person

* **Pre-Condition**
  + Internet must connected.
  + GSM Services should work properly.
* **Successful Scenario**
  + New user download and open the application.
  + User enter username, password, trusted contact number and his/her contact number for verification.
  + For verification user get one time password.
  + User enter correct one time password and get access to the application.
* **UnSuccessful Scenario**
  + New user download and open the application.
  + User enter username, password, trusted contact number and his/her contact number for verification.
  + Verification failed because User by chance enter wrong one time password.
* **UnSuccessful Scenario**
  + New user download and open the application.
  + User enter username, password, trusted contact number and his/her contact number for verification.
  + Sign up failed because identification number is already registered.
* **Post-Condition**
  + User can’t sign up 2nd time if once signed up.
  + User can change password by some OTP Mechanism or other.
* Use Case : Login

Identifier : UC-2

Actors : Person

* **Pre-Condition**
  + Internet must connected.
  + User must signed up.
* **Successful Scenario**
  + User opens downloaded application.
  + User provide his/her valid identifier and password.
  + User data will be uploaded to server.
  + User data will be checked with data on server filled when Sign up.
  + Password matched and user logged in.
* **UnSuccessful Scenario**
  + User opens downloaded application.
  + User provide his/her valid identifier and password.
  + User data will be uploaded to server.
  + User data will be checked with data on server filled when Sign up.
  + Password didn’t match on identifier so failed.
* **UnSuccessful Scenario**
  + User opens downloaded application.
  + User provide his/her valid identifier and password.
  + User data will be uploaded to server.
  + User data will be checked with data on server filled when Sign up.
  + There is no identifier registered on database so failed.
* **Post-Condition**
  + User can’t sign up 2nd time if once signed up.
  + User can access only his/her account.
* Use Case : Report Emergency

Identifier : UC-3

Actors : Person

* **Pre-Condition**
  + Internet must connected
  + GSM Services should work properly
* **Successful Scenario**
  + User login to the application.
  + User Report an emergency by Calling the authority or by send a text message.
  + User location will be fetched by the application.
  + Authority send message to user who registered complaint that the complaint is successfully registered.
* **UnSuccessful Scenario**
  + User login to the application.
  + Try to report an emergency by Calling the authority.
  + User cannot report complaint because of busy call.
* **UnSuccessful Scenario**
  + Reporting the complaint is failed because user no internet service or because user’s phone is out of coverage.
* **Post-Condition**
  + Emergency details must be sent to authority.
  + It should be added to heat-map.
* Use Case : Call Authority

Identifier : UC-4

Actors : Person, Authority

* **Pre-Condition**
  + Internet must connected.
  + GSM Services should work properly.
* **Successful Scenario**
  + User successfully Login to Application.
  + User enter data according to type of emergency.
  + User’s location will be fetched by app.
  + Appropriate Authority Contact Number will be listed.
  + One Tap Call Feature will be available for user.
  + On One Tap Authority will be called.
* **UnSuccessful Scenario**
  + User successfully Login to Application
  + User enter data according to type of emergency.
  + User’s location can’t be fetched by due to GPS services unavailable.
  + Couldn’t contact Authority and use case Failed.
* **UnSuccessful Scenario**
  + User successfully Login to Application
  + User enter data according to type of emergency.
  + User’s location will be fetched by app.
  + Database of Contact couldn’t be fetched due to No Internet Services for user.
  + Use Case Failed due to No Internet Services.
* **Post-Condition**
  + Authority must take action.
  + Heat-map should change accordingly.
* Use Case : Sending message

Identifier : UC-5

Actors : Person, Authority, Truested\_persons

* **Pre-Condition**
  + Internet must connected.
  + User must be able to type message.
  + GSM Services should work properly.
  + GSM Balance must be sufficient.
* **Successful Scenario**
  + User successfully Login to Application.
  + User enter data according to type of emergency.
  + User’s location will be fetched by app.
  + Not mandatory Personalised message box will be filled by user.
  + One Tap Message Feature will be available for user.
  + On One Tap Authority and Trusted Contact will be sent a text message with details and Location Link.
* **UnSuccessful Scenario**
  + User successfully Login to Application
  + User enter data according to type of emergency.
  + One Tap Message Feature will be available for user.
  + SIM Services unavailable so couldn’t send text message and Use Case Failed.
* **UnSuccessful Scenario**
  + User successfully Login to Application
  + User enter data according to type of emergency.
  + User’s location will be fetched by app.
  + Database of Contact couldn’t be fetched due to No Internet Services for user.
  + Use Case Failed due to No Internet Services.
* **Post-Condition**
  + Authority must take action.
* Use Case : Live Emergency Status

Identifier : UC-6

Actors : Authority, Person, Truested\_Persons

* **Pre-Condition**
  + Internet must connected.
  + GPS Services must be accurate.
* **Successful Scenario**
  + User successfully Login to Application.
  + User tap on Live Emergency Feature.
  + User can see all emergencies around him on map as a heat map.
* **UnSuccessful Scenario**
  + User successfully Login to Application.
  + User tap on Live Emergency Feature.
  + User can’t see Live emergencies of others due to No Internet Connection.
* **UnSuccessful Scenario**
  + User successfully Login to Application.
  + User tap on Live Emergency Feature.
  + User can’t see Live emergencies of his location couldn’t be fetched.
  + So Use case Failed due to bad GPS Services.
* **Post-Condition**
  + User can access all nearby emergency status details.
* Use Case : User Verification

Identifier : UC-7

Actors : Person

* **Pre-Condition**
  + Internet must connected
  + GSM Services should work properly
* **Successful Scenario**
  + User enter username, password, trusted contact number and his/her contact number for verification.
  + For verification user get one time password.
  + User enter correct one time password and get access to the application as verified user.
* **UnSuccessful Scenario**
  + User enter username, password, trusted contact number and his/her contact number for verification.
  + Verification failed because User by chance enter wrong one time password.
* **UnSuccessful Scenario**
  + User enter username, password, trusted contact number and his/her contact number for verification.
  + User didn’t get any One Time Password due to No GSM Services available.
  + So Use case Failed due to bad GSM Services.
* **Post-Condition**
  + User must have to complete this use case to access app.
  + User must type right OTP.