**Scenario WalkThrough**

**Emergency Help Service**

**Use Cases :**

* ***Use Case : Signup***
* **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.

|  |  |  |
| --- | --- | --- |
| Class | Attribute | Methods |
| System, Authentication, Signup | Username, Password,  Phone No, Trusted Contact No. | Authenticate(),  Send\_OTP(),  Verify\_OTP() |

* **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.

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| --- | --- | --- |
| Class | Attribute | Methods |
| System, Authentication, Signup | Username, Password,  Phone No, Trusted Contact No. | Authenticate(),  Send\_OTP(),  Verify()\_OTP() |

* **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.

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| --- | --- | --- |
| Class | Attribute | Methods |
| System, Authentication, Signup | Username, Password,  Phone No, Trusted Contact No. | Authenticate() |

* ***Use Case : Login***
* **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.

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| --- | --- | --- |
| Class | Attribute | Methods |
| System, Authentication, Signup | Username, Password,  Phone No, Trusted Contact No. | Authenticate() |

* **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.

|  |  |  |
| --- | --- | --- |
| Class | Attribute | Methods |
| System, Authentication, Signup | Username, Password | Authenticate(),  Forget password() |

* **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.

|  |  |  |
| --- | --- | --- |
| Class | Attribute | Methods |
| System, Authentication, Signup | Username, Password,  Phone No, Trusted Contact No. | Authenticate(),  Send\_OTP(),  Verify()\_OTP() |

* ***Use Case : Report Emergency***
* **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.

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| --- | --- | --- |
| Class | Attribute | Methods |
| System, Authentication | Username, Password,  Emergency type, location,trusted contacts | Authenticate(),  Report Emergency(),  Get Location(),  Send\_msg\_to\_trusted contact() |

* **UnSuccessful Scenario**
  + User login to the application.
  + Try to report an emergency by Calling the authority.
  + User cannot report complaint because of busy call.

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| --- | --- | --- |
| Class | Attribute | Methods |
| System, Authentication | Username, Password | Authenticate() |

* **UnSuccessful Scenario**
  + Reporting the complaint is failed because user no internet service or because user’s phone is out of coverage.

|  |  |  |
| --- | --- | --- |
| Class | Attribute | Methods |
| System, Authentication | Username, Password | Authenticate() |

* ***Use Case : Call Authority***
* **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.

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| --- | --- | --- |
| Class | Attribute | Methods |
| System, call, report emergency | Username,  Phone No, Trusted Contact No. | call(), Authenticate(),  Notify\_trusted\_contacts(), location() |

* **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.

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| --- | --- | --- |
| Class | Attribute | Methods |
| System,call | Username,  Phone No. | Authenticate(),  Call(),  Fetch\_Location() |

* **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.

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| --- | --- | --- |
| Class | Attribute | Methods |
| System, Call | Username,  Phone No. | Authenticate(),  Call() |

* ***Use Case : Sending message***
* **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.

|  |  |  |
| --- | --- | --- |
| Class | Attribute | Methods |
| Report\_Emergency, Authentication, Message | Name, Trustered\_contacts, Phone Number, Location, Message | Get\_Trusted\_List(),  Send\_Message(),  Fetch\_Location(),  Notify\_T\_Contact() |

* **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.

|  |  |  |
| --- | --- | --- |
| Class | Attribute | Methods |
| Report\_Emergency, Authentication, Message | Name, Trustered\_contacts, Phone Number, Location, Message, | Authenticate(),  Fetch\_Location(),  Send\_Message() |

* **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.

|  |  |  |
| --- | --- | --- |
| Class | Attribute | Methods |
| Report\_Emergency, Authentication | - | Authenticate() |

* ***Use Case : Live Emergency Status***
* **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.

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| --- | --- | --- |
| Class | Attribute | Methods |
| System, Login, Status, Heatmap | Complaint\_id, map, Live\_Status | Generate\_map(),  View\_map(),  Fetch\_Location() |

* **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.

|  |  |  |
| --- | --- | --- |
| Class | Attribute | Methods |
| System, Login, Status, Heatmap | Map, Live\_status | Generate\_map(),  Fetch\_Location() |

* **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.

|  |  |  |
| --- | --- | --- |
| Class | Attribute | Methods |
| System, Login, Status, Heatmap | Complaint\_id, map, Live\_Status | Generate\_map(),  Fetch\_Location() |

* ***Use Case : User Verification***
* **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.

|  |  |  |
| --- | --- | --- |
| Class | Attribute | Methods |
| System, Authentication, Signup | Username, Password,  Phone No, Trusted Contact No. | Authenticate(),  Send\_OTP(),  Verify()\_OTP() |

* **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.

|  |  |  |
| --- | --- | --- |
| Class | Attribute | Methods |
| System, Authentication, Signup | Username, Password,  Phone No, Trusted Contact No. | Authenticate(),  Send\_OTP(),  Verify()\_OTP() |

* **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.

|  |  |  |
| --- | --- | --- |
| Class | Attribute | Methods |
| System, Authentication, Signup | Username, Password,  Phone No, Trusted Contact No. | Authenticate(),  Send\_OTP(), |