**• Feature 1:** Map and Help Information System

**[URS-8]: The user can view the online map with their current location.**

The user can view the online map with their current location on the online map page.

**Actor**

Users

**Prerequisite**

The user has to turn on GPS and enter to the online map page.

**Input**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Example** | **Remarks** |
| Latitude | Latitude of user’s current location should be the DD (decimal degrees) format, which base on Google maps. | 18.809011 | Latitude must be decimal number of degrees. |
| Longitude | Longitude of user’s current location should be the DD (decimal degrees) format, which base on Google maps. | 99.218742 | Longitude must be decimal number of degrees. |

**Output**

The online map is shown with the current location of the user.

**Flow of Execution**

1. The user enters to the online map.
2. The system obtains the latitude and longitude of the user’s current location.
3. The system get map from Google Maps.
4. The system provides online map UI, which shows online map with the user’s current location.

**[URS-9]: The user can view the offline map with their current location.**

The user can view the offline map with their current location on the offline map page.

**Actor**

Users

**Prerequisite**

The user has to turn on GPS and enter to the offline map page.

The user has to download Thailand map from MapsWithMe application.

The user installs MapsWithMe application on their device.

**Input and Output**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Example** | **Remarks** |
| Latitude | Latitude of user’s current location should be the DD (decimal degrees) format, which base on MapsWithMe. | 18.809011 | Latitude must be decimal number of degrees. |
| Longitude | Longitude of user’s current location should be the DD (decimal degrees) format, which base on MapsWithMe. | 99.218742 | Longitude must be decimal number of degrees. |

**Output**

The offline map is shown with the current location of the user.

**Flow of Execution**

1. The user enters to the offline map.
2. The system connects MapsWithMe application.
3. The system obtains the latitude and longitude of the user’s current location.
4. The system provides offline map UI, which shows offline map with the user’s current location.

**[URS-10]: The user can view the help places in online map.**

All help places will show in an online map. The user can view all help places on the map.

**Actor**

Users

**Prerequisite**

The user has to connect with the internet.

The user has to turn on GPS and enter to the online map page.

**Input**

The user input the uniform resource location automatic when start the application.

**Output**

All help places shows on the online map.

**Flow of Execution**

1. The user enters to the online map.
2. The system get map from Google Maps.
3. The system retrieve help places from server.
4. The system shall input maker of help places into online map.
5. The system shall provide all makers of help places on an online map.

**[URS-11]: The user can view the help places in offline map.**

The user can view the location of help places, where are loaded and saved in the user’s device.

**Actor**

Users

**Prerequisite**

The user enters to the offline map page.

The user has to turn on GPS.

The user has to download Thailand map from MapsWithMe application.

The user installs MapsWithMe application on their device.

There is information of help place, which is loaded, on the user device.

**Input**

The user enters to the offline map.

**Output**

The help location shows on the offline map.

**Flow of Execution**

1. The user enters to the offline map.
2. The system connects MapsWithMe application.
3. The system retrieves the loaded help places from the user’s device.
4. The system shall input maker of help places into offline map.
5. The system shows help places on the offline map UI.

**[URS-12]: The user can view help information of each help place in online map.**

The user can view the help information of each help place. The help information is name, address, district, province, zip code, and phone number of help place.

**Actor**

Users

**Prerequisite**

The user enters to the online map page, which shows the location of help place.

**Input**

The selected help place object.

**Output**

The help information of the selected help place, which is name, address, district, province, zip code, and phone number of help place.

**Flow of Execution**

1. The user selects the help place they want to see information on the online map page.
2. The system shall receive the help place object that user selected from online map.
3. The system shall retrieve information of help place object.
4. The system provides information UI to show the help information, which are name, address, district, province, zip code, and phone number.

**[URS-13]: The user can view help information of each help place in offline map.**

The user can view the help information of each help place. The help information is name, address, district, province, zip code, and phone number of help place.

**Actor**

Users

**Prerequisite**

The user enters to the offline map page, which shows the location of help place.

There is information of help place, which is loaded, on the user device.

**Input**

The selected help place object.

**Output**

The help information of the selected help place, which is name, address, district, province, zip code, and phone number of help place.

**Flow of Execution**

1. The user selects the help place they want to see information on offline map.
2. The system shall receive the help place object that user selected from offline map.
3. The system shall retrieve information of help place object.
4. The system provides information UI to show the help information, which are name, address, district, province, zip code, and phone number.

**[URS-14]: The user can make emergency call to each help place in online map.**

The user can call to each help place directly from the application.

**Prerequisite**

The user enters to the online map page, which shows the location of help place.

**Actor**

Users

**Input**

The selected help place object, where the user want to make a call.

**Output**

The system connects to call system of the device and make a call to the selected help place.

**Flow of Execution**

1. The user selects the help place they want to call on an online map.
2. The system shall receive the help place object that user selected from online map.
3. The system shall retrieve information of help place object.
4. The system provides the information of the selected help place with call UI.
5. The user selects phone number to call.
6. The system call to the selected help place.

**[URS-15]: The user can make emergency call to each help place in offline map.**

The user can call to each help place directly from the application.

**Actor**

Users

**Prerequisite**

The user enters to the offline map page, which shows the location of help place.

There is information of help place, which is loaded, on the user device.

**Input**

The selected help place object, where the user want to make a call.

**Output**

The system connects to call system of the device and make a call to the selected help place.

**Flow of Execution**

1. The user selects the help place they want to call on an offline map.
2. The system shall receive the help place object that user selected from offline map.
3. The system shall retrieve information of help place object.
4. The system provides the information of the selected help place with call UI.
5. The user selects phone number to call.
6. The system call to the selected help place.