**• Feature 5:** Manage Information System

**[URS-1]: The administrator can add help information, which includes name, address, district, province, zip code, phone number, category, latitude and longitude.**

The administrator can add the details of the help information, which should be real and up to date. The information includes name, address, district, province, zip code, phone number, category, latitude and longitude.

**Actor**

Administrator

**Prerequisite**

The administrator has to enter to the home page.

**Input**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Example** | **Remarks** |
| Name | Name of help place should have the length 1-50 characters. | "Chiangmai Ram Hospital" | The word can be numeric, character or special alphabet. |
| Address | Address should be real information. The length should be 0-50 characters. | "8 Boonreungrit Rd” | Address should be the real information. |
| District | District should be real information. The length should be 0-50 characters. | “Muang” | District should be the real information. |
| Province | Province should be real information. | “Chiang Mai” | Province should be the real information. |
| Zip code | Zip code should be real information. The length should be 0-5 characters. | “50200” | Zip code should be the real information. |
| Phone Number | Phone number should be 9-10 digits. | "053920300" | Phone number should be the numeric. |
| Latitude | Latitude should be the DD (decimal degrees) format, which base on Google maps. | 18.809011 | Latitude should locate to the real location. |
| Longitude | Longitude should be the DD (decimal degrees) format, which base on Google maps. | 99.218742 | Longitude should locate to the real location. |
| Category | There are four categories, which are police station, highway police station, hospital and garage. | “Hospital” | Category should base on each help place. |

**Output**

The new help place with its information will add into the database.

**Flow of Execution**

1. The administrator browses to the add information page.
2. The system provides UI to add name, address, district, province, zip code, phone number, latitude and longitude.
3. The system provides map UI with pinning to get latitude and longitude.
4. The administrator adds the information of the help location.
5. The system checks the format of information.
6. The system adds the new help location into database.
7. The system shows successful UI and returns to home page.

**Alternative flow A, the validation error**

A.5 If the administrator input data in the wrong format, the system should provide the error message as followed:

The wrong name format: The error message is “Name must between 1 to 50 characters”

The wrong address format: The error message is “The address length should be 0-50 characters”

The wrong district format: The error message is “The district length should be 0-50 characters”

The wrong zip code format: The error message is “The zip code length should be 0-5 characters”

The wrong province format: The error message is “Please choose province”

The wrong phone number format: The phone number length should be 9-10 characters”

The wrong category format: The error message is “Please choose province”

After the error message, the system returns to step 2.

**[URS-2]: The administrator can edit help information, which includes name, address, district, province, zip code, phone number, category, latitude and longitude.**

The administrator can edit the details of the help information, which should be real and up to date. The information includes name, address, district, province, zip code, phone number, category, latitude and longitude.

**Actor**

Administrator

**Prerequisite**

The administrator has to enter to the home page.

The administrator has to choose the help place, where they want to edit.

**Input**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Example** | **Remarks** |
| Name | Name of help place should have the length 1-50 characters. | "Chiangmai Ram Hospital" | The word can be numeric, character or special alphabet. |
| Address | Address should be real information. The length should be 0-50 characters. | "8 Boonreungrit Rd” | Address should be the real information. |
| District | District should be real information. The length should be 0-50 characters. | “Muang” | District should be the real information. |
| Province | Province should be real information. | “Chiang Mai” | Province should be the real information. |
| Zip code | Zip code should be real information. The length should be 0-5 characters. | “50200” | Zip code should be the real information. |
| Phone Number | Phone number should be 9-10 digits. | "053920300" | Phone number should be the numeric. |
| Latitude | Latitude should be the DD (decimal degrees) format, which base on Google maps. | 18.809011 | Latitude should locate to the real location. |
| Longitude | Longitude should be the DD (decimal degrees) format, which base on Google maps. | 99.218742 | Longitude should locate to the real location. |
| Category | There are four categories, which are police station, highway police station, hospital and garage. | “Hospital” | Category should base on each help place. |

**Output**

The selected help place with new information will update into the database.

**Flow of Execution**

1. The administrator browses to the edit information page.
2. The system retrieves information of the selected help place from database.
3. The system shows information of the selected help place.
4. The system provides UI to receive name, address, district, province, zip code, phone number, category, latitude and longitude.
5. The system provides map UI with pinning to get latitude and longitude.
6. The administrator edits the information of the help location.
7. The system checks the format of information.
8. The system updates the help information into database.
9. The system shows successful UI and returns to home page.

**Alternative flow A, the validation error**

A.5 If the administrator input data in the wrong format, the system should provide the error message as followed:

The wrong name format: The error message is “Name must between 1 to 50 characters”

The wrong address format: The error message is “The address length should be 0-50 characters”

The wrong district format: The error message is “The district length should be 0-50 characters”

The wrong zip code format: The error message is “The zip code length should be 0-5 characters”

The wrong province format: The error message is “Please choose province”

The wrong phone number format: The phone number length should be 9-10 characters”

The wrong category format: The error message is “Please choose province”

After the error message, the system returns to step 2.

**[URS-3]: The administrator can remove help location.**

The administrator can delete the help place out of the database.

**Actor**

Administrator

**Prerequisite**

The administrator has to enter to the home page.

**Input**

The identity number of selected help place.

**Output**

System deletes the selected help place from database.

**Flow of Execution**

1. The administrator browses the home page.
2. The system retrieves the help place from database.
3. The system shows list of help place with remove UI.
4. The administrator selects help place, where they want to remove.
5. The system provides UI with message “Are you sure to delete?” to ask permission before remove help place.
6. The administrator accepts to delete help place.
7. The system deletes the help location from database.
8. The system shows successful remove UI and returns to home page.

**Alternative flow A, the validation error**

A.5 If the administrator chooses cancel the system will go back to step 3.

**[URS-4]: The admin can view help information of each help place.**

The admin can view the help information, which includes name, address, district, province, zip code, phone number, category, latitude and longitude of each help place.

**Actor**

Administrator

**Prerequisite**

The admin has to enter to the home page.

**Input**

The identity number of selected help location.

**Output**

Systemwill show the information of selected help location.

**Flow of Execution**

1. The admin browses the home page.
2. The system retrieves the help place from database.
3. The system shows all list of the help location.
4. The administrator selects help place, where they want to view.
5. The system retrieves information of the selected help place from database.
6. The system shows the help information, which includes name, address, district, province, zip code, phone number, category, latitude and longitude.

**[URS-5]: The administrator can browse the help location by help place category.**

The administrator can browse the help location by help place categories, which are police station, highway police station, hospital, and garage.

**Actor**

Administrator

**Prerequisite**

The administrator has to enter to the home page.

**Input**

The identity number of category that administrator selected.

**Output**

Systemwill show the list of help location.

**Flow of Execution**

1. The system shows categories UI, which are police station, highway police station, hospital, and garage.
2. The administrator selects category, which they want to view.
3. The system shall retrieve the help information from database by the selected category.
4. The system shall show the list of help location by selected category.

**[URS-6]: The administrator can browse the help location by province of Thailand.**

The administrator can browse the help location by selects province of Thailand that they want to view.

**Actor**

Administrator

**Prerequisite**

The administrator has to enter to the home page.

**Input**

The identity number of province that administrator selected.

**Output**

Systemwill show the list of help location by selected province.

**Flow of Execution**

1. The system provides UI to show list province of Thailand.
2. The administrator selects province, which they want to view.
3. The system shall retrieve the help information from database by the selected province.
4. The system shall show the list of help location by selected province.

**[URS-7]: The administrator can browse the help location by category and province of Thailand.**

The administrator can browse the help location by selects category and province of Thailand that they want to view.

**Prerequisite**

The administrator has to enter to the home page.

**Input**

The identity number of category that administrator selected.

The identity number of province that administrator selected.

**Output**

Systemwill show the list of help location by selected category and province.

**Flow of Execution**

1. The system provides UI to show list province of Thailand and category of help place
2. The administrator selects category and province, which they want to view.
3. The system shall retrieve the help information from database by the selected category and province.
4. The system shall show the list of help location by selected category and province.

**• Feature 5:** Manage Information System

**[URS-1]: The administrator can add help information, which includes name, address, district, province, zip code, phone number, category, latitude and longitude.**

SRS-1: The system provides the UI, which receive name, address, district, province, zip code, phone number, category, latitude and longitude.

SRS-2: The system provides map UI.

SRS- : The system shall receive latitude and longitude from map.

SRS-3: The system shall check the name length. The name must be 1- 50 characters.

SRS-4: The system shall check the address length. The address must be 0- 50 characters.

SRS-5: The system shall check the district length. The district must be 0- 50 characters.

SRS-8: The system shall check the zip code length. The zip code must be 0-5 characters.

SRS-9: The system shall check the phone number format. The phone number should be 9-10 digits.

SRS-9: The system shall check the province format. The province should not be null.

SRS-9: The system shall check the category format. The category should not be null.

SRS 13. The system shall display the error message “Name must between 1 to 50 characters”

SRS 13. The system shall display the error message “The address length should be 0-50 characters”

SRS 13. The system shall display the error message “The district length should be 0-50 characters”

SRS 13. The system shall display the error message “The zip code length should be 0-5 characters”

SRS 13. The system shall display the error message “Please choose province”

SRS 13. The system shall display the error message “The phone number length should be 9-10 characters”

SRS 13. The system shall display the error message “Please choose province”

~~SRS-10: The system shall check the latitude format. The format must be decimal number of degrees. The latitude format must not be empty.~~

~~SRS-11: The system shall check the longitude format. The format must be decimal number of degrees. The latitude format must not be empty.~~

SRS-12: The system shall add a new help location into the database.

SRS-13: The system shall provide the successful adding help information UI.

**[URS-2]: The administrator can edit help information, which includes name, address, district, province, zip code, phone number, category, and coordinates location.**

SRS-: The system shall retrieve the help information from system database.

SRS-: The system shows information of the selected help place.

SRS-: The system shall provide edit UI.

SRS-1: The system provides the UI, which receive name, address, district, province, zip code, phone number, category, latitude and longitude.

SRS-2: The system provides map UI.

SRS- : The system shall receive latitude and longitude from map.

SRS-3: The system shall check the name length. The name must be 1- 50 characters.

SRS-4: The system shall check the address length. The address must be 0- 50 characters.

SRS-5: The system shall check the district length. The district must be 0- 50 characters.

SRS-8: The system shall check the zip code length. The zip code must be 0-5 characters.

SRS-9: The system shall check the phone number format. The phone number should be 9-10 digits.

SRS-9: The system shall check the province format. The province should not be null.

SRS-9: The system shall check the category format. The category should not be null.

SRS 13. The system shall display the error message “Name must between 1 to 50 characters”

SRS 13. The system shall display the error message “The address length should be 0-50 characters”

SRS 13. The system shall display the error message “The district length should be 0-50 characters”

SRS 13. The system shall display the error message “The zip code length should be 0-5 characters”

SRS 13. The system shall display the error message “Please choose province”

SRS 13. The system shall display the error message “The phone number length should be 9-10 characters”

SRS 13. The system shall display the error message “Please choose province”

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~~SRS-10: The system shall check the latitude format. The format must be decimal number of degrees. The latitude format must not be empty.~~

~~SRS-11: The system shall check the longitude format. The format must be decimal number of degrees. The latitude format must not be empty.~~

SRS-: The system shall update the help information into the database.

SRS-: The system shall provide the successful editing help information UI.

**[URS-3]: The administrator can remove help location.**

SRS-: The system shall retrieve the help information from system database.

SRS-: The system shall provide UI to show all lists of help locations.

SRS-: The system shall provide remove UI.

SRS-: The system shall provide UI with message “Are you sure to delete?” to ask permission before remove help place.

SRS-: The system shall delete the help place out of the database.

SRS-: The system shall provide the successful removing help place UI.

**[URS-4]: The admin can view help information of each help place.**

SRS-: The system shall retrieve the help information from system database.

SRS-: The system shall provide UI to show all lists of help locations.

SRS-: The system retrieves information of the selected help place from database.

SRS-: The system shall show the help information, which includes name, address, district, province, zip code, phone number, category, latitude and longitude

**[URS-5]: The administrator can browse the help location by help place category.**

SRS:-The system provides the categories UI, which are police station, highway police station, hospital, and garage.

SRS:-The system shall retrieve the help information from database by the selected category.

SRS:-The system shall show the list of help location by selected category.

**[URS-6]: The administrator can browse the help location by province of Thailand.**

SRS-: The system provides UI to show list provinces of Thailand

SRS-: The system shall retrieve the help information from database by the selected province.

SRS-: The system shall show the list of help location by selected province.

**[URS-7]: The administrator can browse the help location by category and province of Thailand.**

SRS-: The system provides UI to show list of categories and provinces of Thailand

SRS-: The system shall retrieve the help information from database by the selected category and province.

SRS-: The system shall show the list of help location by the selected category and selected province.