

Tourist Assistant Website

Software Requirement Specification

**Project Code: TAW**

**Document Code: TAW\_SRS – v0.1**

**Ha Noi, September 20th 2016**

Record of Change

\*A - Added M - Modified D - Deleted

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Effective Date | Changed Items | A\* M, D | Change Description | New Version |
| 2016/09/20 | Create new | A | Create document | 0.1 |
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Signature Page

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Definitions and Acronyms

|  |  |  |
| --- | --- | --- |
| Acronym | Definition | Note |
| TAW | Tourist Assistant Website |  |
| SRS | Software Requirement Specification |  |

# Introduction

## Purpose

The main purpose of the requirement document is provides the information of the project from many perspectives. Readers can find out about the overview description or detail information in this document.

The information is the fully describing about the software system such as functional requirements, non-functional requirements, design constrains and any other necessary information.

This document is the software requirement specification of the project in order to develop the software, it includes two main parts: User Requirement Specification and System Requirements Specification:

* User Requirement Specification:
* Provides the general information about the software system.
* The project manager and supervisors should read this part because they can partly base on it to negotiate with each other about some particular problems.
* System Requirements Specification:
* Provides the detail information about the software system. This part captures the complete software requirements for the system, and then it is important for software designer, software developer, machine maker and manufacturer, tester and maintainer.
* This part is also for the project manager because it can help him to monitor all the activities of the project effectively.

## Scope

The document applies to many stages of developing the system:

* It is first used for project manager and supervisors to negotiate.
* It is also very important for designing, developing, manufacturing, testing and maintaining the system:
* The designers must know what the system is and what function it needs to have.
* The developing must know what the system does, how each function is implemented and the interface between components in system.
* The tester must know that to check if the system meets the requirements or not.

## References

**Document:**

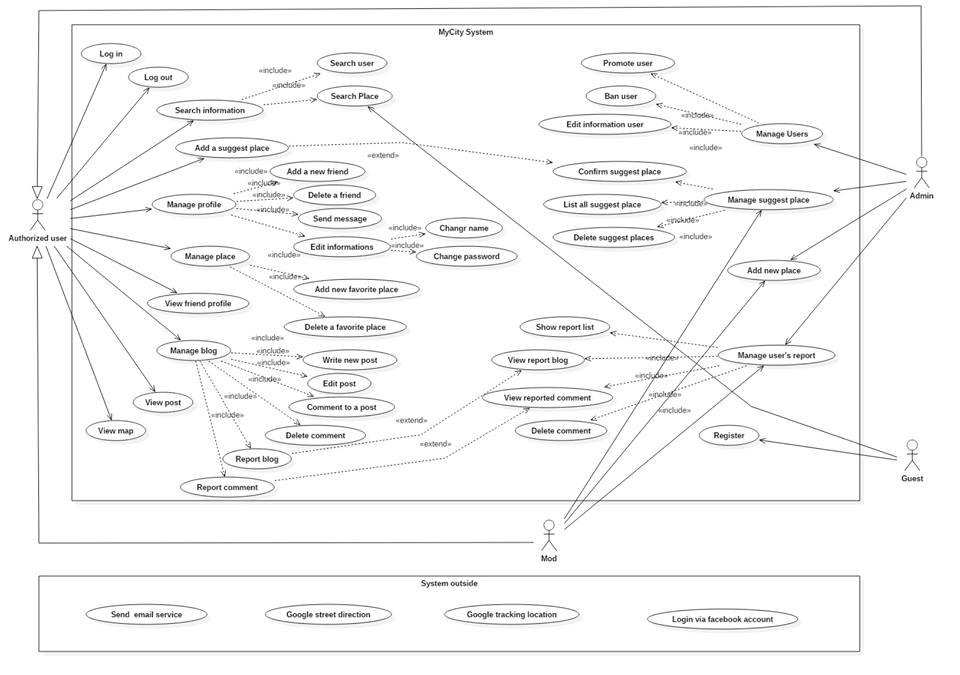
1. VTT\_Report\_3\_SRS\_v0.1.pdf, Project Code: VTT, FPT University, Hanoi, Vietnam

**Website:**

# System requirements Specification

## Functional requirements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Use-case name** | | | **Use-case no** |
| 1 | Register | Register | | UC-01-01 |
| 2 | Log in | Log in | | UC-02-01 |
| 3 | Log out | Log out | | UC-03-01 |
| 4 | Search information | Search place | | UC-04-01 |
| 5 | Search user | | UC-04-02 |
| 6 | Add a suggest place | Add a suggest place | | UC-05-01 |
| 7 | Manage profile | Add a new friend | | UC-06-01 |
| 8 | Delete a friend | | UC-06-02 |
| 9 | Send message | | UC-06-03 |
| 10 | Edit information | Change name | UC-06-04 |
| 11 | Change password | UC-06-05 |
| 12 | Manage place | Add new favorite place | | UC-07-01 |
| 13 | Delete favorite place | | UC-07-02 |
| 14 | View friend profile | View friend profile | | UC-08-01 |
| 15 | Manage blog | Write new post | | UC-09-01 |
| 16 | Edit post | | UC-09-02 |
| 17 | Comment to a post | | UC-09-03 |
| 18 | Delete comment | | UC-09-04 |
| 19 | Report comment | | UC-09-05 |
| 20 | Report blog | | UC-09-06 |
| 21 | View post | View post | | UC-10-01 |
| 22 | Manage users | Promote user | | UC-11-01 |
| 23 | Ban user | | UC-11-02 |
| 24 | Edit information of user | | UC-11-03 |
| 25 | Manage suggest place | List all suggest place | | UC-12-01 |
| 26 | Confirm suggest place | | UC-12-02 |
| 27 | Delete suggest place | | UC-12-03 |
| 28 | Manage user’s report | Show report list | | UC-13-01 |
| 29 | View reported comment | | UC-13-02 |
| 30 | View reported blog | | UC-13-03 |
| 31 | Delete reported comment | | UC-13-04 |
| 32 | Add new place | Add new place | | UC-14-01 |
| 33 | Send email service | Send email service | | UC-15-01 |
| 34 | Google street direction | Google street direction | | UC-16-01 |
| 35 | Google tracking location | Google tracking location | | UC-17-01 |
| 36 | Login via facebook account | Login via facebook account | | UC-18-01 |

**

#### Business rule

|  |  |
| --- | --- |
| **No** | **Description** |
| B1 | “Full name” must not be blank. |
| B2 | “Full name” must be within 6-30 characters and must not contain special characters. |
| B3 | “Use name” must not be blank. |
| B4 | “Use name” must be within 6-30 characters and must not contain special characters. |
| B5 | “Password” must not be blank. |
| B6 | “Password” must be less than 8 characters. |
| B7 | “Email address” must not be empty. |
| B8 | “Email address” must contain character “.” and “@”. |
| B9 | “Birthday” must be before registration day. |
| B10 | The confirmation question must be matched. |
| B11 | “Password” must be correct. |
| B12 | The place must be not existed. |

#### Register

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-01-01** | | |
| Created By: | **Synh** | Date Created: | **29/09/2016** |
| Primary Actor: | **Guest** | Secondary Actor: | **N/A** |
| Trigger: | Click on “Register” button. | | |
| Description | Guest wants to register an account in Mycity. | | |
| Preconditions: | Guest has an email address. | | |
| Post conditions: | Mycity registers and send an email to user | | |
| Normal Flow: | **Register:**   1. The guest clicks on button “Register”. 2. The guest enters “Full name”, ”User name”, “Email address”, “ Password”, “Retype password”, “Gender”, “Birthday” and confirmation question. 3. The guest clicks on “Confirm” button 4. Mycity validates all the information, if it is correct, add user information to database and send an email to user’s email address with text: “ Register successfully”. | | |
| Alternative Flows: | N/A | | |
| Exceptions: | N/A | | |
| Priority: | High | | |
| Frequency of Use: | Medium. | | |
| Business Rules: | **B1, B2, B3, B4, B5, B6, B7, B8, B9, B10** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

#### Log in

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-02-01** | | |
| Created By: | **SyNH** | Date Created: | **29/09/2016** |
| Primary Actor: | **Authorized user** | Secondary Actor: | **Mod**  **Admin** |
| Trigger: | Click on “Login” button. | | |
| Description | User wants to login to Mycity and uses all service of Mycity | | |
| Preconditions: | User has Mycity account. | | |
| Post conditions: | N/A | | |
| Normal Flow: | **Log in**   1. The actor clicks on “Login” button. 2. The actor enters: “User Name” and “Password”. 3. The actor clicks on “Login” button. | | |
| Alternative Flows: | N/A | | |
| Exceptions: | N/A | | |
| Priority: | High. | | |
| Frequency of Use: | High. | | |
| Business Rules: | **B11** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

#### Log out

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-03-01** | | |
| Created By: | **SyNH** | Date Created: | **29/09/2016** |
| Primary Actor: | **Authorized user** | Secondary Actor: | **Mod**  **Admin** |
| Trigger: | Click on “Log out” button. | | |
| Description | User wants to stop using Mycity as an authorized user or want to change account. | | |
| Preconditions: | User is in Log in status. | | |
| Post conditions: | User is logged out Mycity. | | |
| Normal Flow: | **Log out:**   1. The actor clicks on “Log out” button. 2. The actor is logged out Mycity | | |
| Alternative Flows: | N/A | | |
| Exceptions: | System cannot end user’s session. | | |
| Priority: | Medium. | | |
| Frequency of Use: | Medium. | | |
| Business Rules: | **N/A** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

#### Search information

##### Search place

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-04-01** | | |
| Created By: | **SyNH** | Date Created: | **29/09/2016** |
| Primary Actor: | **Authorized user** | Secondary Actor: | **Guest**  **Mod**  **Admin** |
| Trigger: | N/A | | |
| Description | This function help user and guest can search place according name which user enter or sections, example: cinema club and sport. | | |
| Preconditions: | N/A | | |
| Post conditions: | List all result match with keyword. | | |
| Normal Flow: | **1.Search place with keyword:**   1. The actor enters key word into blank textbox. 2. The actor selects category to search. 3. The actor clicks on “Search” button. 4. Mycity lists all result matchs with keyword.   **2.Search place without keyword:**   1. The actor selects category to search. 2. The actor clicks on “Search” button. 3. Mycity list all result match with category is selected. | | |
| Alternative Flows: | N/A | | |
| Exceptions: | **Cannot get result match with keyword:**   1. Mycity displays an error message “ No result for this keyword” | | |
| Priority: | High. | | |
| Frequency of Use: | High. | | |
| Business Rules: | **N/A** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

##### Search user

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-04-02** | | |
| Created By: | **SyNH** | Date Created: | **29/09/2016** |
| Primary Actor: | **Authorized user** | Secondary Actor: | **Admin**  **Mod** |
| Trigger: | N/A | | |
| Description | Help user, admin, mod can search information of another user by name as a keyword | | |
| Preconditions: | User must login | | |
| Post conditions: | Show all users match with keyword. | | |
| Normal Flow: | **Search User:**   1. The actor clicks on “User profile” button. 2. The actor enter name of user into blank textbox. 3. The actor clicks on “Search” button. | | |
| Alternative Flows: | N/A | | |
| Exceptions: | **Cannot find user name match with keyword:**   1. Mycity displays a message “Can not find user with name: ”+ keyword. | | |
| Priority: | High. | | |
| Frequency of Use: | Medium. | | |
| Business Rules: | **B3, B4** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

#### Add suggest place

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-05-01** | | |
| Created By: | **VietLT** | Date Created: | **29/09/2016** |
| Primary Actor: | **Authorized user** | Secondary Actor: | **Mod Admin** |
| Trigger: | Authorized user needs to access to My city Website and then views the map. | | |
| Description | Authorized user wants to add a place into map in order to share with other people. | | |
| Preconditions: | N/A | | |
| Post conditions: | Admin sends an email to confirm this suggest place. | | |
| Normal Flow: | I. Add a suggest place.  1. Authorized user clicks on task bar on the left side of upper corner.  2. Then clicks on “Map”.  3. In “Map” screen, authorized user clicks on “Add place”.  4. Authorized user continues to enter on “Place name”, “Latitude”, “Longitude”, and pick in “Categories”.  5. Then clicks on “Add” button.  6. If your place is invalid, My city will send an email to confirm. | | |
| Alternative Flows: | N/A | | |
| Exceptions: | N/A | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | **B12** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

#### Manage profile

##### Add new friend

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-06-01** | | |
| Created By: | **VietLT** | Date Created: | **29/09/2016** |
| Primary Actor: | **Authorized user** | Secondary Actor: | **Mod Admin** |
| Trigger: | Authorized user needs to access to My city Website. | | |
| Description | Authorized user wants to add a friend who they are feeling favorite and received more useful information. | | |
| Preconditions: | N/A | | |
| Post conditions: | The authorized user whom you want to add friend, accepts. | | |
| Normal Flow: | I. Add new friend.  1. Authorized user clicks on task bar on the left side of upper corner.  2. Then clicks on “User profile”.  3. In “User profile” screen, authorized user clicks on “Add to friend”.  4. If this friend accepts, this one will add in your list friend. | | |
| Alternative Flows: | N/A | | |
| Exceptions: | N/A | | |
| Priority: | High | | |
| Frequency of Use: | Medium | | |
| Business Rules: | **N/A** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

##### Delete Friend

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-06-02** | | |
| Created By: | **VietLT** | Date Created: | **29/09/2016** |
| Primary Actor: | **Authorized user** | Secondary Actor: | **Mod Admin** |
| Trigger: | Authorized user needs to access to My city Website. | | |
| Description | Authorized user wants to delete a friend who they are feeling elaboration. | | |
| Preconditions: | N/A | | |
| Post conditions: | N/A | | |
| Normal Flow: | I. Delete friend.  1. Authorized user clicks on task bar on the left side of upper corner.  2. Then clicks on “User profile”.  3. In “User profile” screen, authorized user clicks on your friend who you want to delete. And then clicks on “Delete” button.  4. Then clicks “OK” button.  5. My city deletes this friend in your list. | | |
| Alternative Flows: | II. Authorized user cancels delete friend.  1. At step 4, The Authorized user clicks on “Cancel” button.  2. My city does not delete this friend in your list. | | |
| Exceptions: | N/A | | |
| Priority: | High | | |
| Frequency of Use: | Medium | | |
| Business Rules: | **N/A** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

##### Send message

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-06-03** | | |
| Created By: | **VietLT** | Date Created: | **29/09/2016** |
| Primary Actor: | **Authorized user** | Secondary Actor: | **Mod Admin** |
| Trigger: | Authorized user needs to access to My city Website. | | |
| Description | Authorized user wants to share some interesting information or chat with some friend. | | |
| Preconditions: | N/A | | |
| Post conditions: | N/A | | |
| Normal Flow: | I. Send message.  1. Authorized user click on task bar on the left side of upper corner.  2. Then click on “User profile”.  3. In “User profile” screen, authorized user clicks on your friend who you want to send message. And then clicks on “Sent message” button.  4. Enters some things which you want to say with your friend and then click “Send” button. | | |
| Alternative Flows: | II. Authorized user wants to turn off box message.  1. At step 4, the Authorized user clicks on “X” icon in the right side of upper corner of box message.  2. Box message with this friend will be turned off. | | |
| Exceptions: | N/A | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | **N/A** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

##### Change name

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-06-04** | | |
| Created By: | **VietLT** | Date Created: | **29/09/2016** |
| Primary Actor: | **Authorized user** | Secondary Actor: | **Mod Admin** |
| Trigger: | Authorized user needs to access to My city Website. | | |
| Description | Authorized user wants to change their name which display in their profile. | | |
| Preconditions: | N/A | | |
| Post conditions: | N/A | | |
| Normal Flow: | I. Change name.  1. Authorized user click on task bar on the left side of upper corner.  2. Then clicks on “User profile”.  3. In “User profile” screen, clicks on “Edit information”.  4. Then clicks on “Change your name”.  5. Enters your new name and clicks on “OK” button.  6. Your name which is displayed will be change. | | |
| Alternative Flows: | II. Authorized user wants to cancel the name change.  1. At step 5, the Authorized user clicks on “Cancel” button.  2. The name change will be cancel and your name which is displayed in your profile will be kept. | | |
| Exceptions: | N/A | | |
| Priority: | High | | |
| Frequency of Use: | Medium | | |
| Business Rules: | **B1, B2, B3, B4** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

##### Change password

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-06-05** | | |
| Created By: | **VietLT** | Date Created: | **29/09/2016** |
| Primary Actor: | **Authorized user** | Secondary Actor: | **Mod Admin** |
| Trigger: | Authorized user needs to access to My city Website. | | |
| Description | Authorized user wants to change their password in order to sure for security. | | |
| Preconditions: | N/A | | |
| Post conditions: | N/A | | |
| Normal Flow: | I. Change password.  1. Authorized user click on task bar on the left side of upper corner.  2. Then clicks on “User profile”.  3. In “User profile” screen, clicks on “Edit information”.  4. Then clicks on “Change your password”.  5. Enters your old password and new password and clicks on “OK” button.  6. Your password will be change. | | |
| Alternative Flows: | II. Authorized user wants to cancel the password change.  1. At step 5, the Authorized user clicks on “Cancel” button.  2. The password change will be cancel and your password will be kept. | | |
| Exceptions: | N/A | | |
| Priority: | High | | |
| Frequency of Use: | Medium | | |
| Business Rules: | **B5, B6, B11** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

#### Manage place

##### Add new favorite place

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-07-01** | | |
| Created By: | **VietLT** | Date Created: | **29/09/2016** |
| Primary Actor: | **Authorized user** | Secondary Actor: | **Mod Admin** |
| Trigger: | Authorized user needs to access to My city Website. | | |
| Description | Authorized user wants to add a place where they are interested and wanted to go. | | |
| Preconditions: | N/A | | |
| Post conditions: | N/A | | |
| Normal Flow: | I. Add new favorite place.  1. Authorized user click on task bar on the left side of upper corner.  2. Then clicks on “Map”.  3. In “Map” screen, clicks on place icon which you want to add in favorite list.  4. In “Detail Information of place” screen, clicks on “Favorite”.  5. My city will add this place on “Map of favorite” in your user profile. | | |
| Alternative Flows: | N/A | | |
| Exceptions: | N/A | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | **N/A** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

##### Delete favorite place

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-07-01** | | |
| Created By: | **VietLT** | Date Created: | **29/09/2016** |
| Primary Actor: | **Authorized user** | Secondary Actor: | **Mod Admin** |
| Trigger: | Authorized user needs to access to My city Website. | | |
| Description | Authorized user wants to add a place where they are interested and wanted to go. | | |
| Preconditions: | N/A | | |
| Post conditions: | N/A | | |
| Normal Flow: | I. Add new favorite place.  1. Authorized user click on task bar on the left side of upper corner.  2. Then clicks on “Map”.  3. In “Map” screen, clicks on place icon which you want to add in favorite list.  4. In “Detail Information of place” screen, clicks on “Favorite”.  5. My city will add this place on “Map of favorite” in your user profile. | | |
| Alternative Flows: | N/A | | |
| Exceptions: | N/A | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | **N/A** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

#### View friend profile

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-08-01** | | |
| Created By: | **VietLT** | Date Created: | **29/09/2016** |
| Primary Actor: | **Authorized user** | Secondary Actor: | **Mod Admin** |
| Trigger: | Authorized user needs to access to My city Website. | | |
| Description | Authorized user can view a friend profile. Some ones wants to find out some information about other people in order to communicate or sure with some information which is given by people whom they need view profile. | | |
| Preconditions: | N/A | | |
| Post conditions: | N/A | | |
| Normal Flow: | I. View friend profile.  1. Authorized user click on task bar on the left side of upper corner.  2. Then clicks on “User profile”.  3. In “User profile” screen, clicks on avatar icon of your friend whom you want to view profile.  4. Some information of your friend will be displayed. | | |
| Alternative Flows: | N/A | | |
| Exceptions: | N/A | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | **N/A** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

#### Manage blog

##### Write a new post

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-09-01** | | |
| Created By: | **VietLT** | Date Created: | **29/09/2016** |
| Primary Actor: | **Authorized user** | Secondary Actor: | **Mod Admin** |
| Trigger: | Authorized user needs to access to My city Website. | | |
| Description | Authorized user can write a new post: pick categories, write description or review, attach images about some place where they have ever gone. | | |
| Preconditions: | N/A | | |
| Post conditions: | N/A | | |
| Normal Flow: | I. Write a new post.  1. Authorized user click on task bar on the left side of upper corner.  2. Then clicks on “Blog”.  3. In “Blog” screen, My city displays a Post creating form containing a text box of “Title”, a text area of “Description”, list of categories and an image attachment.  4. Authorized user fills in “Title”.  5. Authorized user gives some descriptions in “Description”.  6. Authorized user picks category of Post from list.  7. Authorized user also can attach some images.  8. Clicks on “Post”.  9. My city upload pictures to cloud and adds content of the Post to database.  10. My city displays the created Post to the news feed of Blog. | | |
| Alternative Flows: | II. Write a new post without Title and Description.  1. Return to step 1 with validation warning of missing field. III. Write a new post without Image.  1. Return to step 7 of Normal Flow. IV. Write a new post without picking category.  1. Return to step 6 of Normal Flow.  V. On the step 8 Authorized user clicks “Cancel” instead of “Post” .  1. Post creating form will be closed. | | |
| Exceptions: | N/A | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | **N/A** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

##### Edit post

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-09-02** | | |
| Created By: | **VietLT** | Date Created: | **29/09/2016** |
| Primary Actor: | **Authorized user** | Secondary Actor: | **Mod Admin** |
| Trigger: | Authorized user needs to access to My city Website. | | |
| Description | Authorized user has just written a new post, but they found out some mistakes in this post or want to update some information about a place. So they can edit their post. | | |
| Preconditions: | Authorized user must have at least one post in Blog. | | |
| Post conditions: | New information is updated successfully. All users can see this changed. | | |
| Normal Flow: | I. Edit post.  1. Authorized user click on task bar on the left side of upper corner.  2. Then clicks on “Blog”.  3. In “Blog” screen, My city displays all their posts  4. Clicks on post which you want to edit.  5. Click on “Edit Post”.  6. Authorized user can edit “Title”, “Description”, “Category”, “Image”.  7. Authorized user clicks on “Save” button.  8. My city updated post successfully. | | |
| Alternative Flows: | II. Write a new post without Title and Description.  1. Return to step 6 with validation warning of missing field. III. Write a new post without Image.  1. Return to step 6 of Normal Flow.  IV. On the step 7 Authorized user clicks “Cancel” instead of “Save” .  1. Editing post form will be closed. | | |
| Exceptions: | N/A | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | **N/A** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

##### Comment to post

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-09-03** | | |
| Created By: | **VietLT** | Date Created: | **29/09/2016** |
| Primary Actor: | **Authorized user** | Secondary Actor: | **Mod Admin** |
| Trigger: | Authorized user needs to access to My city Website. | | |
| Description | Authorized user comment on their post or other user’s. They want to contribute or give some feedback about this post. | | |
| Preconditions: | N/A | | |
| Post conditions: | The number of post’s comments is incremented by 1. The new comment will be displayed in comment section. The Post’s owner be notified about the comment on his/her post. | | |
| Normal Flow: | I. Comment to a post.  1. Authorized user click on task bar on the left side of upper corner.  2. Then clicks on “Blog”.  3. In “Blog” screen, My city displays all their posts  4. Clicks on “View posts” to view other user’s posts.  5. Click on a post to view the Post Detail modal.  6. Authorized user writes in “Comment” text area.  7. Then clicks on “Post” button.  8. My city updated comment successfully and displayed the new comment in comment section.  9. My city system push notification to post’s owner. | | |
| Alternative Flows: | N/A | | |
| Exceptions: | N/A | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | **N/A** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

##### Delete a comment

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-09-04** | | |
| Created By: | **VietLT** | Date Created: | **29/09/2016** |
| Primary Actor: | **Authorized user** | Secondary Actor: | **Mod Admin** |
| Trigger: | Authorized user needs to access to My city Website. | | |
| Description | Authorized user delete comment on a post. | | |
| Preconditions: | N/A | | |
| Post conditions: | The number of post’s comments is decreased by 1. The new comment will be delete from comment section. | | |
| Normal Flow: | I. Delete a comment.  1. Authorized user click on task bar on the left side of upper corner.  2. Then clicks on “Blog”.  3. In “Blog” screen, My city displays all their posts  4. Clicks on “View posts” to view other user’s posts.  5. Click on a post to view the Post Detail modal.  6. Authorized user clicks on the dropdown icon their one comment.  7. Then clicks on “Delete” button.  8. My city delete this comment in comment section. | | |
| Alternative Flows: | N/A | | |
| Exceptions: | N/A | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | **N/A** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

##### Report a comment

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-09-05** | | |
| Created By: | **VietLT** | Date Created: | **29/09/2016** |
| Primary Actor: | **Authorized user** | Secondary Actor: | **Mod Admin** |
| Trigger: | Authorized user needs to access to My city Website. | | |
| Description | Authorized user descripts about illegal information of target comment and send them to admin. My city’s admin will check this report. | | |
| Preconditions: | N/A | | |
| Post conditions: | Report is sent successfully to My city’s admin and My city’s admin shows popup to thank authorized user. | | |
| Normal Flow: | I. Report a comment.  1. Authorized user click on task bar on the left side of upper corner.  2. Then clicks on “Blog”.  3. In “Blog” screen, My city displays all their posts  4. Clicks on “View posts” to view other user’s posts.  5. Click on a post to view the Post Detail modal.  6. Authorized user clicks on the dropdown icon their comment.  7. Then clicks on “Report” button.  8. My city shows popup report to authorized user.  9. Authorized user enters report description about this target comment.  10. Then clicks on “Send” button.  11. My city sends this report to admin and shows popup to thank authorized user. | | |
| Alternative Flows: | II. Authorized user cancels report.  1. At step 10, authorized user clicks on “Cancel” button.  2. My city skips sending report and closes report popup. | | |
| Exceptions: | N/A | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | **N/A** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

##### Report blog

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-09-06** | | |
| Created By: | **VietLT** | Date Created: | **29/09/2016** |
| Primary Actor: | **Authorized user** | Secondary Actor: | **Mod Admin** |
| Trigger: | Authorized user needs to access to My city Website. | | |
| Description | Authorized user descripts about illegal information of target post and send them to admin. My city’s admin will check this report. | | |
| Preconditions: | N/A | | |
| Post conditions: | Report is sent successfully to My city’s admin and My city’s admin shows popup to thank authorized user. | | |
| Normal Flow: | I. Report blog.  1. Authorized user click on task bar on the left side of upper corner.  2. Then clicks on “Blog”.  3. In “Blog” screen, My city displays all their posts  4. Clicks on “View posts” to view other user’s posts.  5. Click on a post to view the Post Detail modal.  6. Authorized user clicks on the dropdown icon their post.  7. Then clicks on “Report” button.  8. My city shows popup report to authorized user.  9. Authorized user enters report description about this target post.  10. Then clicks on “Send” button.  11. My city sends this report to admin and shows popup to thank authorized user. | | |
| Alternative Flows: | II. Authorized user cancels report.  1. At step 10, authorized user clicks on “Cancel” button.  2. My city skips sending report and closes report popup | | |
| Exceptions: | N/A | | |
| Priority: | High | | |
| Frequency of Use: | Medium | | |
| Business Rules: | **N/A** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

#### View post

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-10-01** | | |
| Created By: | **VietLT** | Date Created: | **29/09/2016** |
| Primary Actor: | **Authorized user** | Secondary Actor: | **Mod**  **Admin** |
| Trigger: | Authorized user clicks on “Open post” | | |
| Description | Authorized user can view the other authorized users or admin. | | |
| Preconditions: | Authorized user logged in My city account. | | |
| Post conditions: | N/A | | |
| Normal Flow: | I. View post:  1. Authorized user clicks on task bar on the left side of upper corner.  2. Then click on “Open post”.  3. My city shows all post. | | |
| Alternative Flows: | N/A | | |
| Exceptions: | N/A | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | **N/A** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

#### Manage user

##### Promote user

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-11-01** | | |
| Created By: | **VietLT** | Date Created: | **29/09/2016** |
| Primary Actor: | **Admin** | Secondary Actor: | **N/A** |
| Trigger: |  | | |
| Description | Admin can promote an authorized user who gives his particular contribution to the website. | | |
| Preconditions: | It must be admin account. | | |
| Post conditions: | N/A | | |
| Normal Flow: | **Promote user:**   1. Admin searches name of authorized user want to promote. 2. Admin click on promote icon. 3. Mycity display a message box “Do you want promote this member become a mod?” with 2 selections “Yes” and “No”.   **Choose “Yes”**   1. The authorized user is promoted , become a mod.   **Choose “No”**   1. Promote process is canceled. | | |
| Alternative Flows: | N/A | | |
| Exceptions: | N/A | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | **N/A** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

##### Ban user

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-11-02** | | |
| Created By: | **VietLT** | Date Created: | **29/09/2016** |
| Primary Actor: | **Admin** | Secondary Actor: | **N/A** |
| Trigger: |  | | |
| Description | Admin can ban an authorized user who infringes terms. | | |
| Preconditions: | It must be admin account. | | |
| Post conditions: | N/A | | |
| Normal Flow: | **Ban user:**   1. Admin searches authorized user want to ban. 2. Admin clicks on Ban user icon. 3. Mycity displays ban user interface. 4. Admin set start day and finish day of banning. 5. Admin clicks on “Accept” button 6. Mycity displays a message box “Are you sure?” with 2 selections “Yes” and “No”   **Choose “Yes”:**   1. The account will be banished, cannot login to Mycity till expire the banning.   **Choose “No”:**   1. The banning is canceled. | | |
| Alternative Flows: | **Cancel ban user:**   1. Admin searches authorized user want to ban. 2. Admin clicks on Ban user icon. 3. Mycity displays ban user interface. 4. Admin set start day and finish day of banning. 5. Admin clicks on “Cancel” button. 6. The banning is canceled. | | |
| Exceptions: | N/A | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | **N/A** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

##### Edit information of user

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-11-03** | | |
| Created By: | **VietLT** | Date Created: | **29/09/2016** |
| Primary Actor: | **Admin** | Secondary Actor: | **N/A** |
| Trigger: |  | | |
| Description | Admin can edit information of an authorized user who has his information that is unreasonable in the rules. | | |
| Preconditions: | It must be admin account. | | |
| Post conditions: | N/A | | |
| Normal Flow: | **Edit information of user**   1. Admin clicks on user’s name want to change information. 2. Clicks on “Edit information”. 3. Redirect to edit user profile page. 4. After edit user’s information, admin clicks on “Accept” button to save user profile or “Cancel” to cancel editing user profile. | | |
| Alternative Flows: | N/A | | |
| Exceptions: | N/A | | |
| Priority: | High | | |
| Frequency of Use: | High | | |
| Business Rules: | **N/A** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

#### Manage suggest place

##### List all suggest place

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-12-01** | | |
| Created By: | **SyNH** | Date Created: | **29/09/2016** |
| Primary Actor: | **Admin** | Secondary Actor: | **Mod** |
| Trigger: | N/A | | |
| Description | Show all suggest places list which is suggested by authorized user. | | |
| Preconditions: | Login as admin. | | |
| Post conditions: | N/A | | |
| Normal Flow: | **Show suggest place list:**   1. The actor clicks on “manage suggest place” button. 2. Mycity shows all suggest list on screen. | | |
| Alternative Flows: | N/A | | |
| Exceptions: | **No suggest place to show:**   1. Mycity displays a message “Cannot find any suggest place”. | | |
| Priority: | High. | | |
| Frequency of Use: | Medium. | | |
| Business Rules: | **N/A** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

##### Confirm suggest place

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-12-02** | | |
| Created By: | **SyNH** | Date Created: | **29/09/2016** |
| Primary Actor: | **Admin** | Secondary Actor: | **Mod** |
| Trigger: | N/A | | |
| Description | Accept a suggest place from user, and add that place in the map. | | |
| Preconditions: | Have suggest place from authorized user | | |
| Post conditions: | The suggest place is added to the database. | | |
| Normal Flow: | 1. **Confirm suggest place:** 2. The actor clicks on “Manage suggest place” button. 3. The actor chooses a suggest place in the list. 4. The actor clicks on “Accept” button. 5. The place’s information is saved in database and set the location on the map. | | |
| Alternative Flows: | N/A | | |
| Exceptions: | The suggest place existed. | | |
| Priority: | High. | | |
| Frequency of Use: | Medium. | | |
| Business Rules: | **B12** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

##### Delete suggest place

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-12-03** | | |
| Created By: | **SyNH** | Date Created: | **29/09/2016** |
| Primary Actor: | **Admin** | Secondary Actor: | **Mod** |
| Trigger: | N/A | | |
| Description | Delete a suggest place which is not meet the Mycity’s requirement. | | |
| Preconditions: | Exist at least 1 suggest place in suggest place list. | | |
| Post conditions: | N/A | | |
| Normal Flow: | 1. **Delete a suggest place:** 2. The actor clicks on “Manage suggest place” button. 3. The actor chooses a suggest place. 4. The actor click on “Delete” button. 5. Show a message “Are you sure?” with 2 selections “Yes” and “No”. 6. **Choose “Yes”:** 7. Click on button “Yes”. 8. The suggest place is deleted from suggest place list. 9. **Choose “No”:** 10. Click on button “No”. 11. The delete process is canceled. | | |
| Alternative Flows: | N/A | | |
| Exceptions: | N/A | | |
| Priority: | High. | | |
| Frequency of Use: | Medium. | | |
| Business Rules: | **N/A** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

#### Manage user’s report

##### Show report list

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-13-01** | | |
| Created By: | **SyNH** | Date Created: | **29/09/2016** |
| Primary Actor: | **Admin** | Secondary Actor: | **Mod** |
| Trigger: | N/A | | |
| Description | Show all report from user, the report is about offensive, toxic comments, breaching account. | | |
| Preconditions: | N/A | | |
| Post conditions: | N/A | | |
| Normal Flow: | **Show report list:**   1. The actor clicks on “Manage report”. 2. Mycity shows all report list on the screen. | | |
| Alternative Flows: | N/A | | |
| Exceptions: | **No report result:**   1. Mycity displays a message “Cannot find any report”. | | |
| Priority: | High. | | |
| Frequency of Use: | Medium. | | |
| Business Rules: | **N/A** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

##### View reported comment

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-13-02** | | |
| Created By: | **SyNH** | Date Created: | **29/09/2016** |
| Primary Actor: | **Admin** | Secondary Actor: | **Mod** |
| Trigger: | N/A | | |
| Description | The admin and mod can view the content of report comment , check if it is a bad comment. | | |
| Preconditions: | Exist at least 1 report comment in report list. | | |
| Post conditions: | N/A | | |
| Normal Flow: | **View reported comment:**   1. The actor clicks on “Manage report”. 2. Mycity show all report list on screen. 3. The actor chooses a report about comment in the list. 4. The content of report is shown on screen. 5. The actor clicks con “Show” button to view content of comment. 6. Mycity show the content of comment on the screen. | | |
| Alternative Flows: | N/A | | |
| Exceptions: | **The comment is deleted before the admin or mod views:**   1. Mycity displays an error message box “Cannot find comment”. | | |
| Priority: | High. | | |
| Frequency of Use: | Medium. | | |
| Business Rules: | **N/A** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

##### View reported blog

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-13-03** | | |
| Created By: | **SyNH** | Date Created: | **29/09/2016** |
| Primary Actor: | **Admin** | Secondary Actor: | **Mod** |
| Trigger: | N/A | | |
| Description | The admin and mod can view content of reported blog and content of report. | | |
| Preconditions: | Exist at least 1 reported blog in report list. | | |
| Post conditions: | N/A | | |
| Normal Flow: | **View reported blog:**   1. The actor clicks on “Manage report”. 2. Mycity show all report list on screen. 3. The actor chooses a report about blog in the list. 4. The content of report is shown on screen. 5. The actor clicks con “Show” button to view content of reported blog. | | |
| Alternative Flows: | N/A | | |
| Exceptions: | N/A | | |
| Priority: | High. | | |
| Frequency of Use: | Medium. | | |
| Business Rules: | **N/A** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

##### Delete reported comment

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-13-04** | | |
| Created By: | **Synh** | Date Created: | **29/09/2016** |
| Primary Actor: | **Admin** | Secondary Actor: | **Mod** |
| Trigger: | N/A | | |
| Description | Delete a comment of user | | |
| Preconditions: | The comment exists. | | |
| Post conditions: | N/A | | |
| Normal Flow: | 1. **Delete a comment:** 2. The actor chooses a comment which wants to delete. 3. The actor clicks on “Delete” button. 4. Mycity displays a message box “Are you sure delete this comment” with 2 selections “Yes” and “No”. 5. **Choose “Yes”:** 6. The actor clicks on “Yes” button. 7. Mycity delete selected comment. 8. **Choose “No”:** 9. The actor clicks on “No” button. 10. The delete process is canceled. | | |
| Alternative Flows: | N/A | | |
| Exceptions: | N/A | | |
| Priority: | High. | | |
| Frequency of Use: | Low. | | |
| Business Rules: | **N/A** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

#### Add new place

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-14-01** | | |
| Created By: | **SyNH** | Date Created: | **30/09/2016** |
| Primary Actor: | **Admin** | Secondary Actor: | **Mod** |
| Trigger: | N/A | | |
| Description | Admin or mod can add a new place into Mycity map | | |
| Preconditions: | The new place is not already existed. | | |
| Post conditions: | The information of new place is added into database. | | |
| Normal Flow: | **Add new place:**   1. The actor clicks on “Add new place” button. 2. Mycity display an “Add new place” interface. 3. The actor enter information of new place “Name”, “Address”, “Category”. 4. The actor set the new place into Mycity map. | | |
| Alternative Flows: | N/A | | |
| Exceptions: | **N/A** | | |
| Priority: | High. | | |
| Frequency of Use: | High. | | |
| Business Rules: | **B12** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

#### Send email service

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-15-01** | | |
| Created By: | **SyNH** | Date Created: | **30/09/2016** |
| Primary Actor: | **N/A** | Secondary Actor: | **N/A** |
| Trigger: | N/A | | |
| Description | This service help Mycity system send email to user, notify about successful register or user’s suggest place is accepted. | | |
| Preconditions: | N/A | | |
| Post conditions: | N/A | | |
| Normal Flow: | **Send email:**   1. Service get user’s email. 2. Service send an email to user with content “Register successfully” or “Your suggest place is accepted from admin”. | | |
| Alternative Flows: | N/A | | |
| Exceptions: | **The user’s email is deleted.** | | |
| Priority: | High. | | |
| Frequency of Use: | High. | | |
| Business Rules: | **N/A** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

#### Google street direction

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-16-01** | | |
| Created By: | **SyNH** | Date Created: | **30/09/2016** |
| Primary Actor: | **N/A** | Secondary Actor: | **N/A** |
| Trigger: | N/A | | |
| Description | Guide way to go to target place from your current location | | |
| Preconditions: | Already have user’s location. | | |
| Post conditions: | N/A | | |
| Normal Flow: | N/A | | |
| Alternative Flows: | N/A | | |
| Exceptions: | **Cannot get current user’s location.** | | |
| Priority: | High. | | |
| Frequency of Use: | High. | | |
| Business Rules: | **N/A** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

#### Google tracking location

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-17-01** | | |
| Created By: | **SyNH** | Date Created: | **30/09/2016** |
| Primary Actor: | **N/A** | Secondary Actor: | **N/A** |
| Trigger: | N/A | | |
| Description | Get the location of user to help street direction and suggested place around user. | | |
| Preconditions: | User must connect to a internet point. | | |
| Post conditions: | N/A | | |
| Normal Flow: | N/A | | |
| Alternative Flows: | N/A | | |
| Exceptions: | **Can get user location** | | |
| Priority: | High. | | |
| Frequency of Use: | High. | | |
| Business Rules: | **N/A** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

#### Login via Facebook account

|  |  |  |  |
| --- | --- | --- | --- |
| UC ID and Name: | **UC-18-01** | | |
| Created By: | **SyNH** | Date Created: | **30/09/2016** |
| Primary Actor: | **N/A** | Secondary Actor: | **N/A** |
| Trigger: | N/A | | |
| Description | A guest can login without account register on Mycity by use their facebook account as a Mycity account. | | |
| Preconditions: | The actor must have a facebook account. | | |
| Post conditions: | N/A | | |
| Normal Flow: | **Login via facebook account:**   1. The actor clicks on “Login” button. 2. Mycity displays login interface 3. The actor clicks on “Login via facebook” button. | | |
| Alternative Flows: | N/A | | |
| Exceptions: | N/A | | |
| Priority: | Medium. | | |
| Frequency of Use: | Medium. | | |
| Business Rules: | **N/A** | | |
| Other Information: | N/A | | |
| Assumptions | N/A | | |

## Non-Functional Requirements

#### Security

* Apply Authorize Attribute feature to the action methods.
* The security matrix is as the following table:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Function | Guest | Authorized Users | Mod | Admin |
| Register | ✓ |  |  |  |
| Log in |  | ✓ | ✓ | ✓ |
| Log out |  | ✓ | ✓ | ✓ |
| Search place | ✓ | ✓ | ✓ | ✓ |
| Search user |  | ✓ | ✓ | ✓ |
| Add a suggest place |  | ✓ | ✓ | ✓ |
| Add a new friend |  | ✓ | ✓ | ✓ |
| Delete a friend |  | ✓ | ✓ | ✓ |
| Send message |  | ✓ | ✓ | ✓ |
| Change name |  | ✓ | ✓ | ✓ |
| Change password |  | ✓ | ✓ | ✓ |
| Add new favorite place |  | ✓ | ✓ | ✓ |
| Delete new favorite place |  | ✓ | ✓ | ✓ |
| View friend profile |  | ✓ | ✓ | ✓ |
| Write new post |  | ✓ | ✓ | ✓ |
| Edit post |  | ✓ | ✓ | ✓ |
| Comment to a post |  | ✓ | ✓ | ✓ |
| Delete comment |  | ✓ | ✓ | ✓ |
| Report comment |  | ✓ | ✓ | ✓ |
| Report blog |  | ✓ | ✓ | ✓ |
| View post |  | ✓ | ✓ | ✓ |
| Promote user |  |  |  | ✓ |
| Ban user |  |  |  | ✓ |
| Edit information user |  |  |  | ✓ |
| List all suggest place |  |  | ✓ | ✓ |
| Confirm suggest place |  |  | ✓ | ✓ |
| Delete suggest place |  |  | ✓ | ✓ |
| Show report list |  |  | ✓ | ✓ |
| View reported comment |  | ✓ | ✓ | ✓ |
| View reported blog |  | ✓ | ✓ | ✓ |
| Delete reported comment |  |  | ✓ | ✓ |
| Add new place |  |  | ✓ | ✓ |
| Send email service |  |  |  |  |
| Google street direction |  |  |  |  |
| Google tracking location |  |  |  |  |
| Login via facebook account |  |  |  |  |

#### Usability

#### Reliability

#### Performance

#### Maintainability

#### Extendibility