"TRAVELLER SITE"
Software Requirements Specification
Version "Document Version"

Submitted to:

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1.Revision History

Date	Version	Description	Author
23.02.2019	Beta	First attempt	"Democracy" team
12.03.2019	V 1.0	First sprint finished	"Democracy" team
01.04.2019	V 1.2	Second Sprint Finished	"Democracy" team
15.04.2019	V 1.3	Third Sprint Finished	"Democracy" team

2.Table of Contents

3.Introduction

The technical document includes all the chronological as well as the logical structure of the project with all the scenarios of its use and areas of application.

The main purpose of this document is to provide the end customer with a general work plan, project analysis and a range of reasons why a particular stage was chosen.

The document will also be a short manual of usage rules and a list of system requirements for the correct operation of the program.

- ➔ *Project description*
  - ◆ Site for providing services and the best experience in tourism for both parties. Where a party to the provision of services can be any qualified guide by ensuring himself a stable income. Also for the promotion of tourism in Kyrgyzstan, this project will be very helpful. Investigating and telling foreigners about the expanses of our country, people will share their knowledge and advise them to visit Kyrgyzstan and their circle of people.
- ➔ *Features*
  - ◆ Security system and client authorization.
  - ◆ Payment system and inside system transactions.
  - ◆ Algorithm offers services and guides.
  - ◆ Anonymity.
  - ◆ Booking
- ➔ *Purpose*
  - ◆ The main purpose of this document is to provide the full range of regulations to the end customer in order to facilitate the provision of the product to the end user. It is assumed that the consumer will be much faster to study and use the product due to the presence of the necessary manuals and instructions for use.
- ➔ *Scope*
  - ◆ The project focuses on the proposed developing range of Kyrgyz activities - tourism. The project is regarded as a business-friendly business platform. It also carries an educational, cultural and educational character.

➔ *User Stories*
- ◆ https://easybacklog.com/accounts/28080/backlogs/310319

➔ *Definition, Acronyms and Abbreviation*

Front-end	Front-end web development is the practice of converting data to graphical interface for user to view and interact with data through digital interaction using HTML, CSS and JavaScript.
Back-end	A back-end developer is a type of programmer who creates the logical back-endand core computational logic of a website, software or information system.
HTML	Hypertext Markup Language, a standardized system for tagging text files to achieve font, colour, graphic, and hyperlink effects on World Wide Web pages.
CSS	Stands for "Cascading Style Sheet." Cascading style sheets are used to format the layout of Web pages. They can be used to define text styles, table sizes.
JavaScript	an object-oriented computer programming language commonly used to create interactive effects within web browsers.
DFD	A data-flow diagram is a way of representing a flow of a data of a process or a system
Use-case	In software and systems engineering, a use case is a list of actions or event steps typically defining the interactions between a role and a system to achieve a goal.

Spring Boot	is an open source Java-based framework used to create a micro Service.
Selenium	is a portable framework for testing web applications. Selenium provides a playback tool for authoring functional tests without the need to learn a test scripting language
SRS	Software Requirement Specification
User Story	A user story is a tool used in Agile software development to capture a description of a software feature from an end-user perspective. The user story describes the type of user, what they want and why.
Actor	An actor specifies a role played by a user or any other system that interacts with the subject.

➔ Developers team description
  ◆ Members roles and portfolio
    ● Mederbek Abdyldaev - back-end
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    ● Zarlyk Zhusubaliev - tester
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    ● Tansuluu Myrzaeva - project manager
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    ● Nurdin Imanaliev - requirement engineer
      ○ nurdin.imanaliev@iaau.edu.kg

4.Overall Description

- ➔ Problem statement
  - ◆ Communication
  - ◆ Unemployment
  - ◆ Improving the tourism and international importance of the state.
  - ◆ No desire to travel in their own country of local residents
  - ◆ Ignorance of their culture, location and history of the inhabitants of our country
- ➔ Background
  - ◆ a problem which in everyday life meets one or another proven guide - communication. Now there is no clear platform where people could organize themselves and provide their tourism and tour services, while others find similar offers. Also the tourism agency offer the most popular places, but the local life is hidden.
  - ◆ By running and automating this project, you can interpret it into a good platform for making money.
  - ◆ Given that one of the parties to the users of this resource may be foreign guests, the general interest of the country and its attractions is expected due to the social activity of the users of this system.
- ➔ Objective
  - ◆ Interest from the tourists, an alternative form of earnings from the guides.
  - ◆ Tourism development in Kyrgyzstan with the help of local residents
  - ◆ Studying of the culture, district and history of inhabitants of our country
- ➔ Constrains
  - ◆ The opportunity to unleash their full potential within the borders of one state.

5.Functional Requirements

A. Use cases

| Use Case ID:	REG1,REG2
Use Case Name:	Registration
Actors:	Unsigned users
Description:	An unregistered user may sign up as a guide if he is a local resident and has an experience of being a guide, the same way a tourist who is going to Kyrgyzstan or already here, may sign up as a tourist to find out interesting offers and guides, who can accommodate him for his trip.

Use Case ID:	REG3
Use Case Name:	Get into site
Actors:	Signed up users
Description:	An registered user may sign in,after he has confirmed his email, to be able to add blogs, update own information, put likes to places, writes comments and posts to other users etc
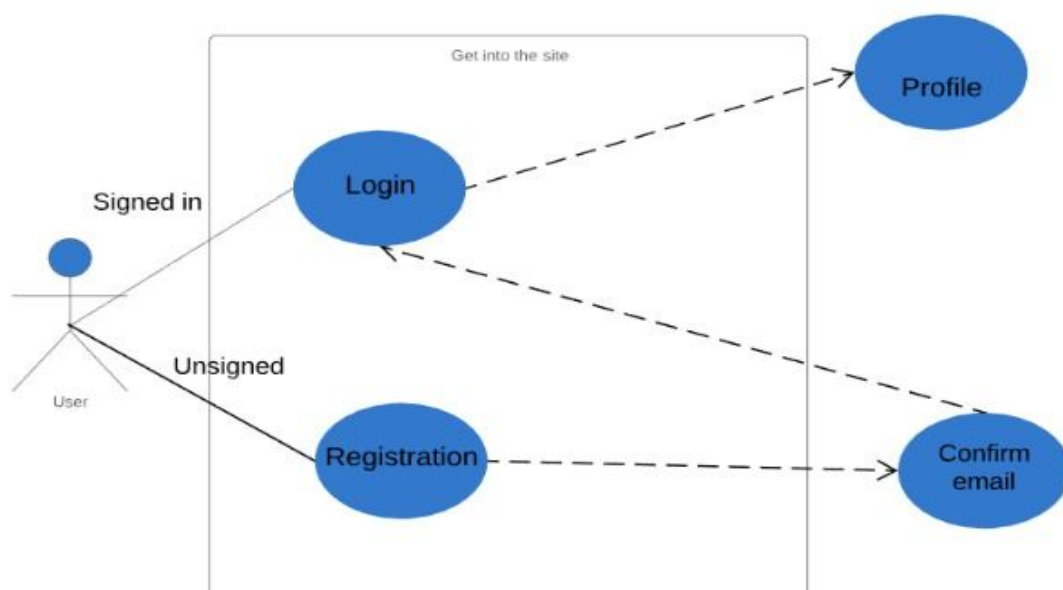
Use Case Number:	REG4

Use Case Name:	Reset password

Actors:	Signed up users

Description:	In case a user forget his password, he can easily reset his password by email, the link with token send to user email, user follow by link goes to reset password page, after filling a new password, he can login to the site
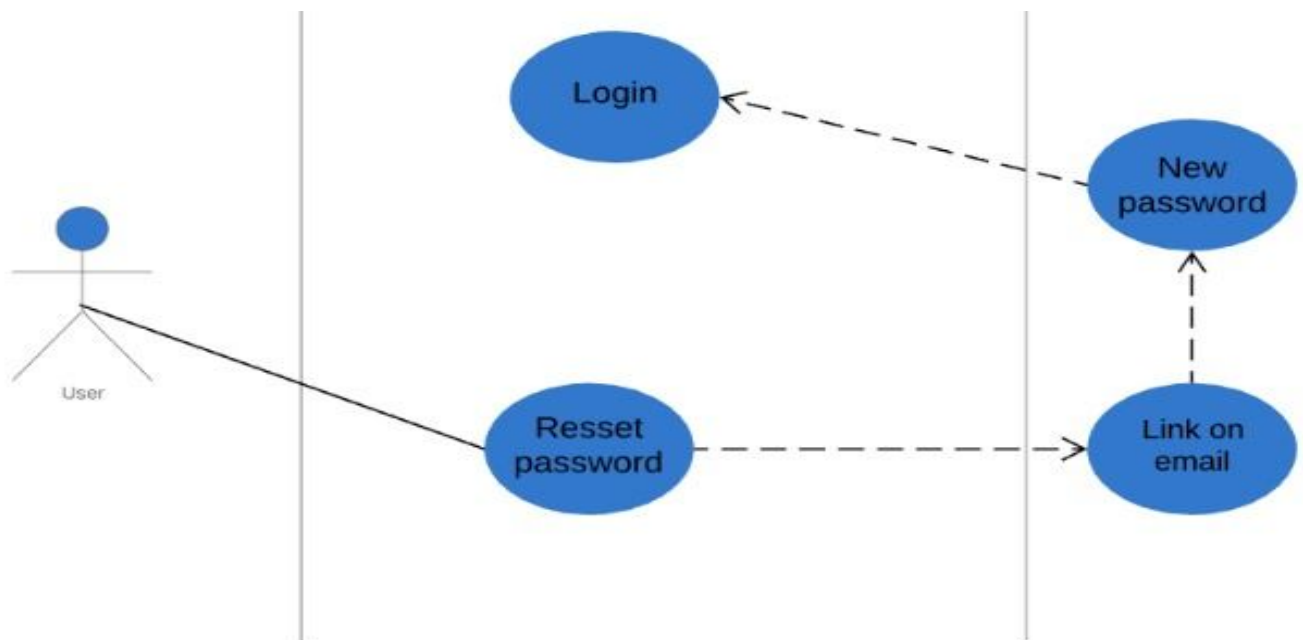
Use Case Number:	REG5 ,LUP1, BLO1, USE1
Use Case Name:	Pages on site
Actors:	Any user
Description:	User on site may go to

➔ "home" page where he can:
- ◆ Read information about Kyrgyzstan and Categories of tourism
- ◆ find out top 6 popular offers.
- ◆ find 3 recently registered tourists.
- ◆ find 3 recently registered guides.
- ◆ find top 3 popular blog.
- ◆ find top 3 coming events.

➔ On "about" page:
- ◆ he can find information related to developers of the website.
- ◆ as well more information about site.
- ◆ Contact us, where you get in touch with our development team

➔ On "offers" page:
- ◆ view all offers.
- ◆ most searcher offers by their title.
- ◆ go to detailed information about all individual places.

➔ On "blogs" page:
   ◆ view all blogs for more actual news.
   ◆ search blogs by title.
   ◆ go to detailed information about each individual blog.
➔ On "events" page:
   ◆ Can see all coming events
   ◆ Search by title
   ◆ By clicking to the title, you may go to individual event page
➔ On "users" page:
   ◆ can see all registered users.
   ◆ search by name.
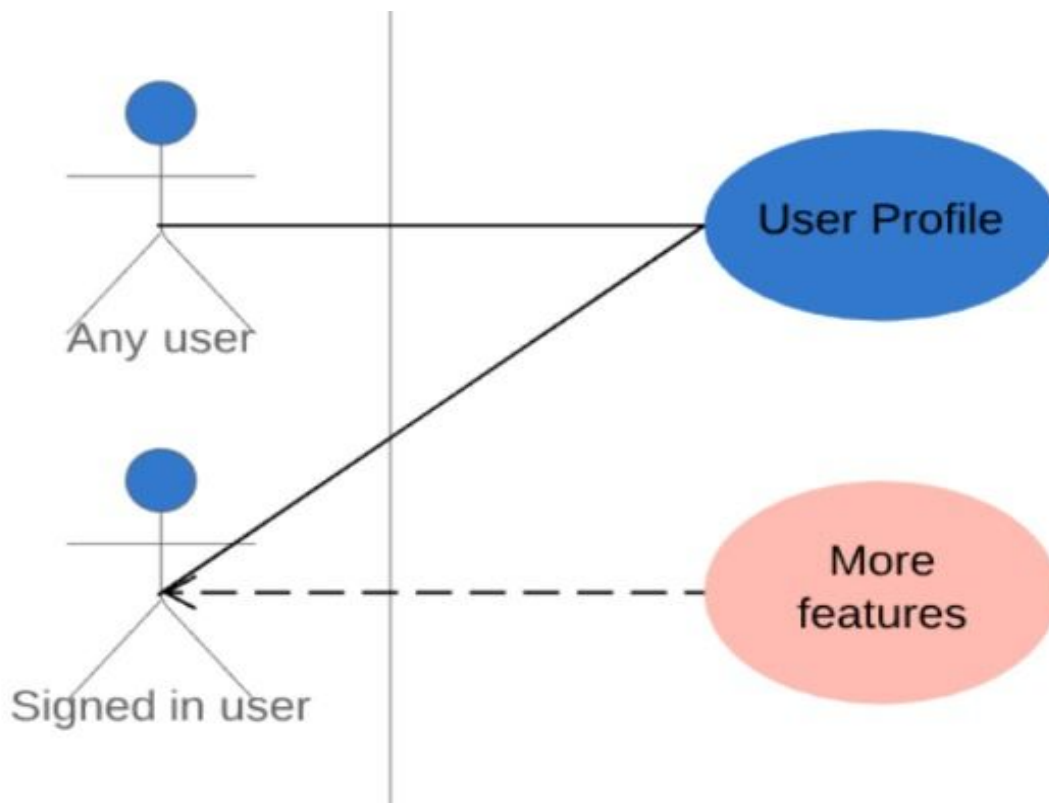   ◆ and by clicking to name, user will be sent to profile page.
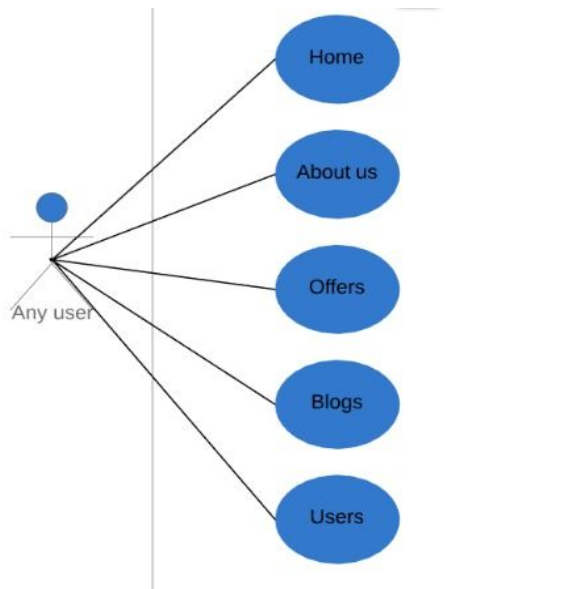
Use Case ID:	REG3
Use Case Name:	User's profile
Actors:	Signed in user , Guest
Description:	A user and a guest may go to profile page of user, to see all information about user, if user signed in he can leave post to the profile owner.

Any user

Signed in user

User Profile

More features

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|	
Use Case ID:	**LUP6**
Use Case Name:	Add a new place
Actors:	Guide
Description:	A guide can add a new place to offer for the tourists new local places, he may attach pictures as well.
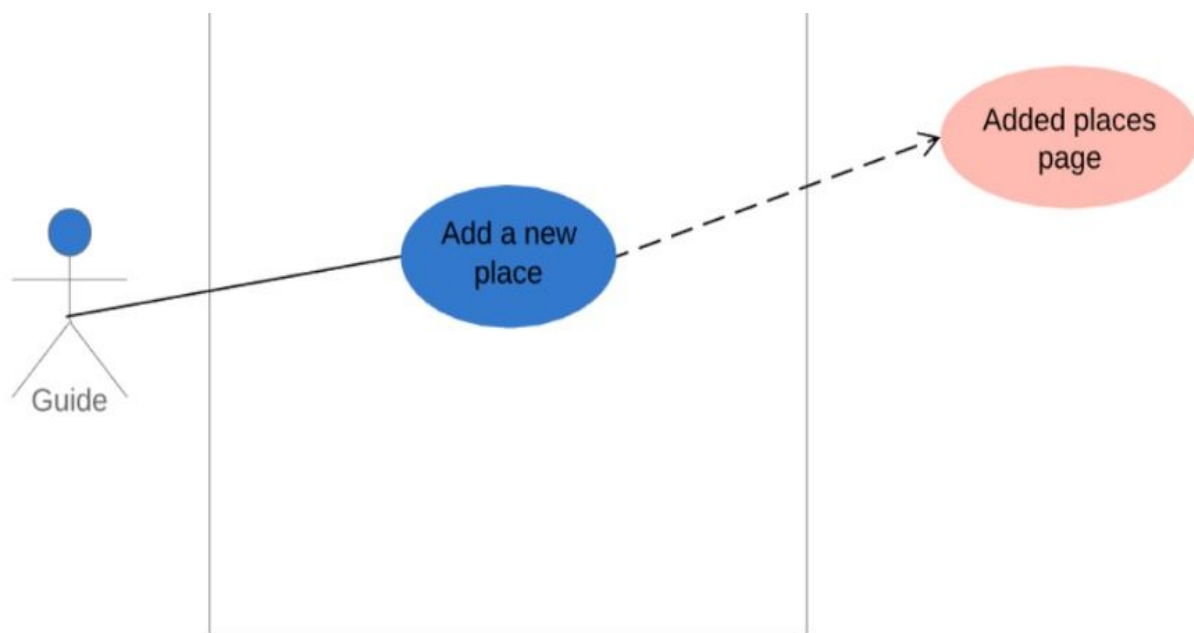
|	
Use Case ID:	LUP12
Use Case Name:	Individual place's page
Actors:	Signed in user, Unsigned in user
Description:	A user may see individual place page to get look information about that place, read comments on that place, see likes, views, and If signed in user write comments on that place and put or delete likes.If An author of place, he can delete or update that place.

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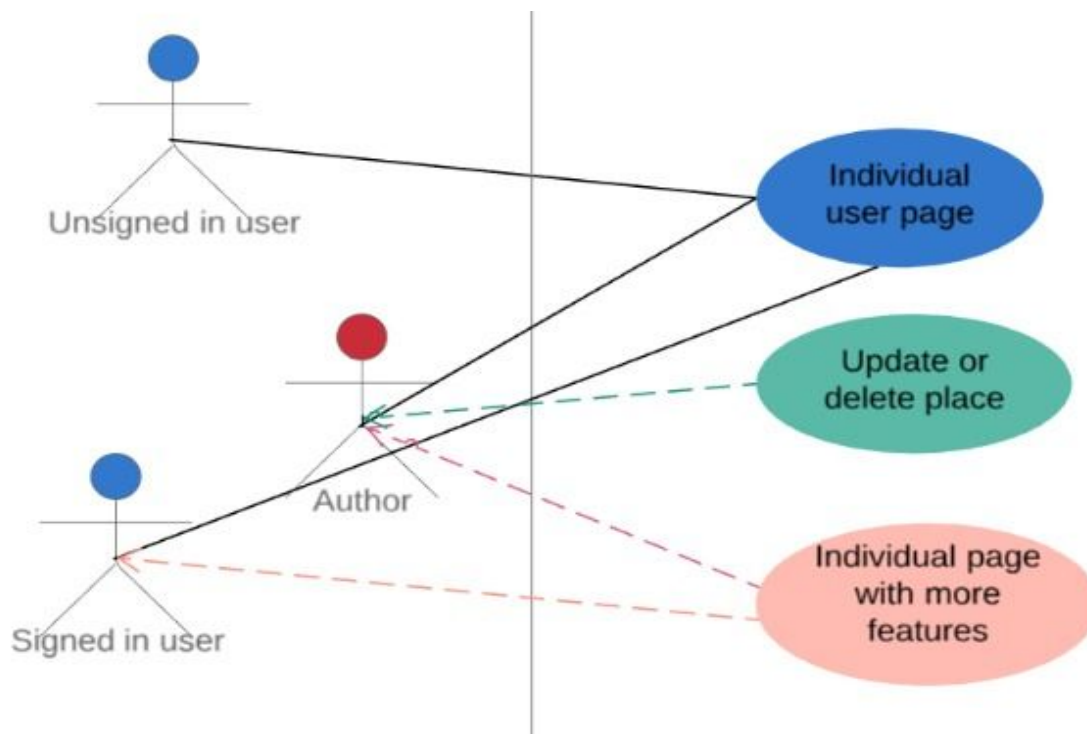
Use Case ID:	**BLO4**
Use Case Name:	Add a new blog
Actors:	Signed in user
Description:	A Signed in user guide can add a new blog to share their experience and write opinion about some offers, he may attach pictures as well.

Signed in user

Add a new blog
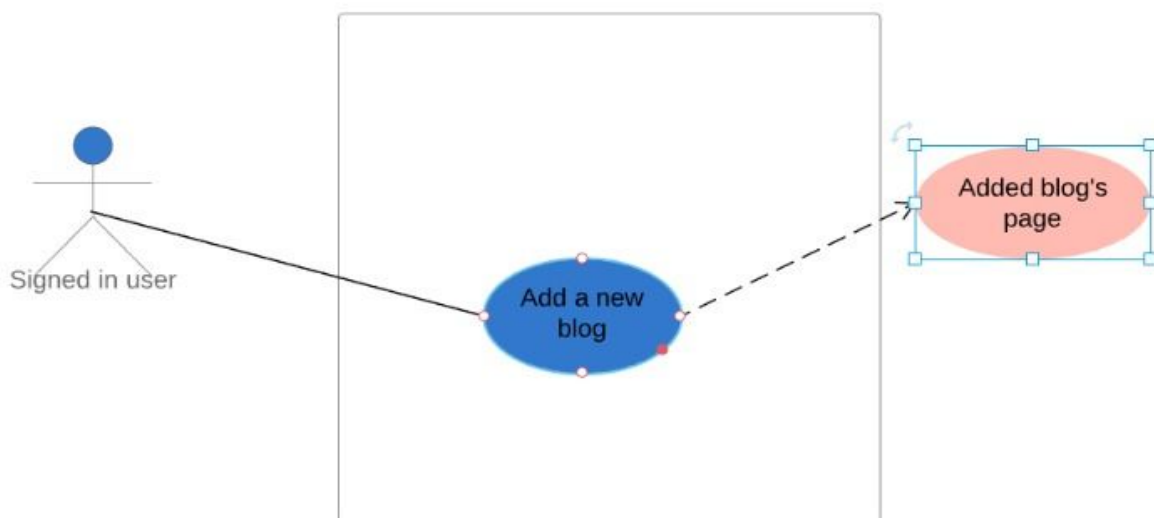
Added blog's page

Use Case ID:	LUP7

Use Case Name:	Delete place

Actors:	Author of place

Description:	As a writer of a place, he can delete his own place, if it is not needed anymore.
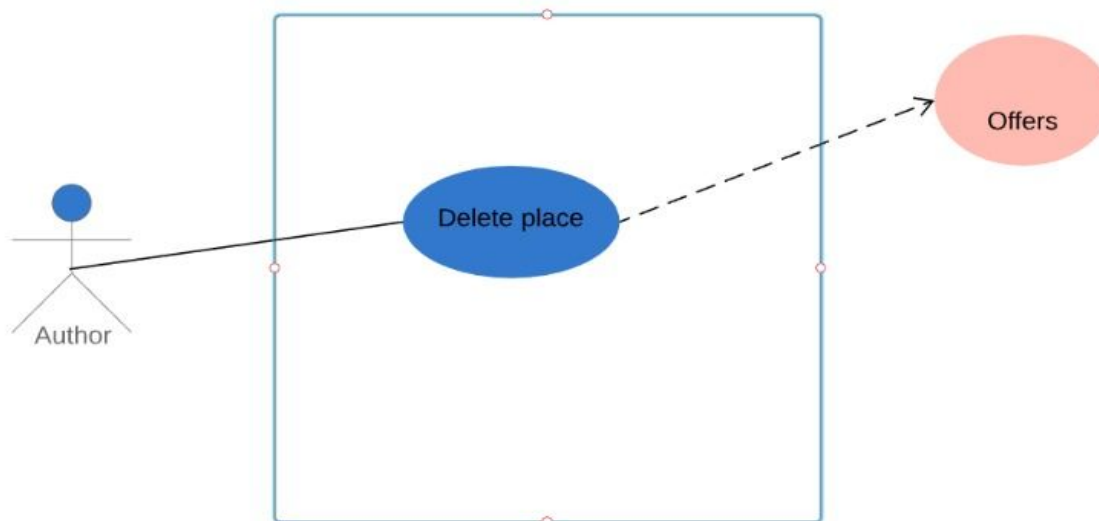
Use Case ID:	**BLO2**
Use Case Name:	Individual blog's page
Actors:	Signed in user, Unsigned in user
Description:	A user may see individual blog's page to get look information about that blog, read comments on that place, see likes, views, and If signed in user write comments on that blog and put or delete likes.If An author of blog, he can delete or update that blog.
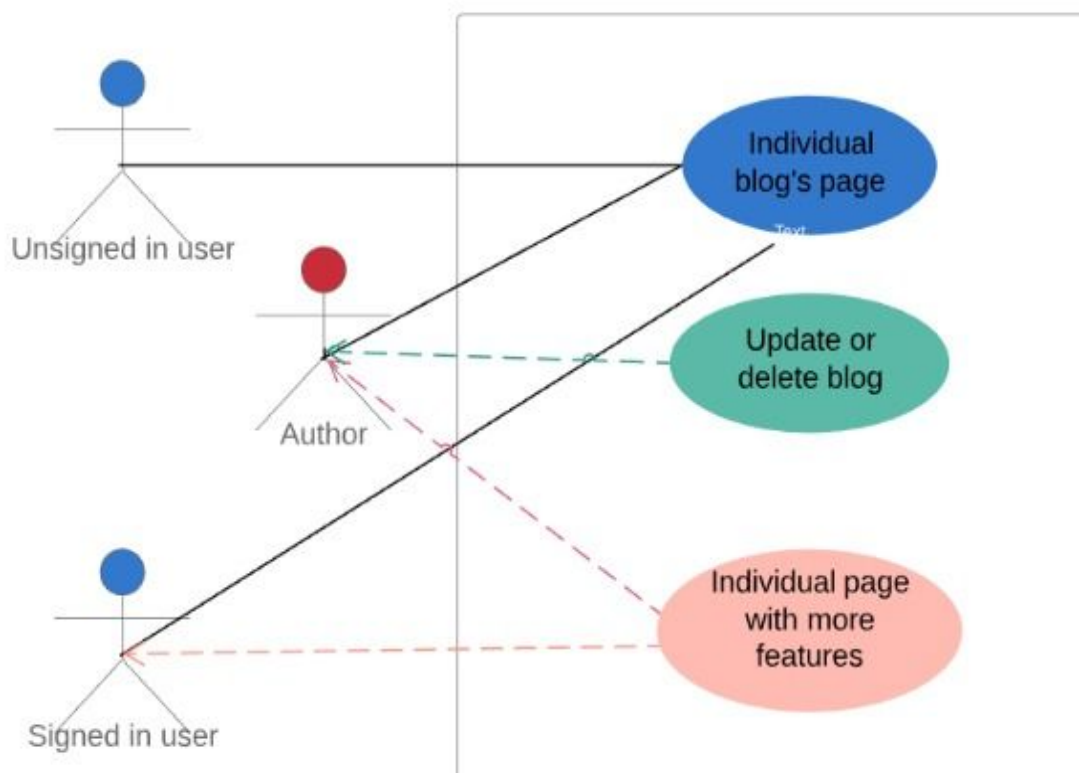
Use Case ID:	**BLO5**
Use Case Name:	Delete blog
Actors:	Author of blog
Description:	As a writer of a blog, he can delete his own blog, if it is not needed anymore.
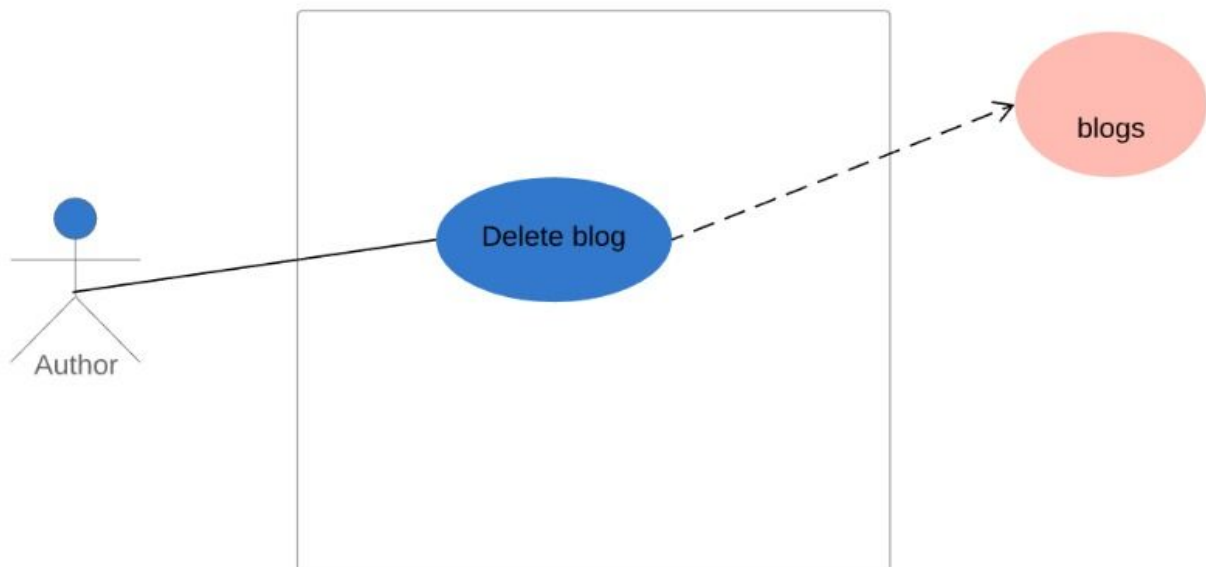
Use Case ID:	REG 5
Use Case Name:	Read about Website itself
Actors:	Unsigned User
Description:	As a user, that want to read about website should navigate to "about website" button

USER

GET information about website

CLICK

"about website" button
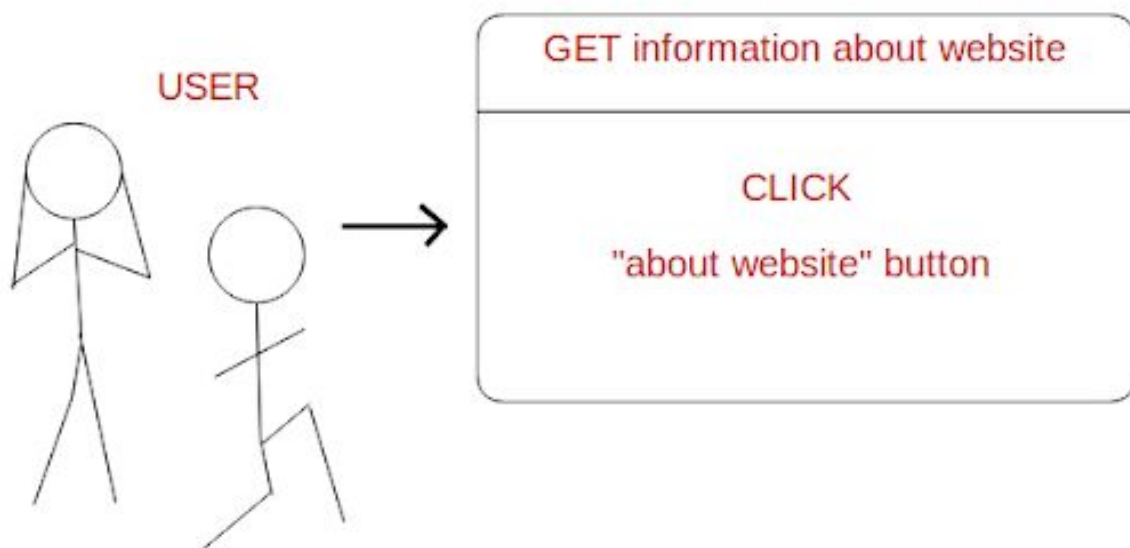
Use Case ID:	REG 4, NEW 11
Use Case Name:	Reset password
Actors:	Registered User
Description:	As a already registered user of a website, "forgot password" button would be exist for password reset
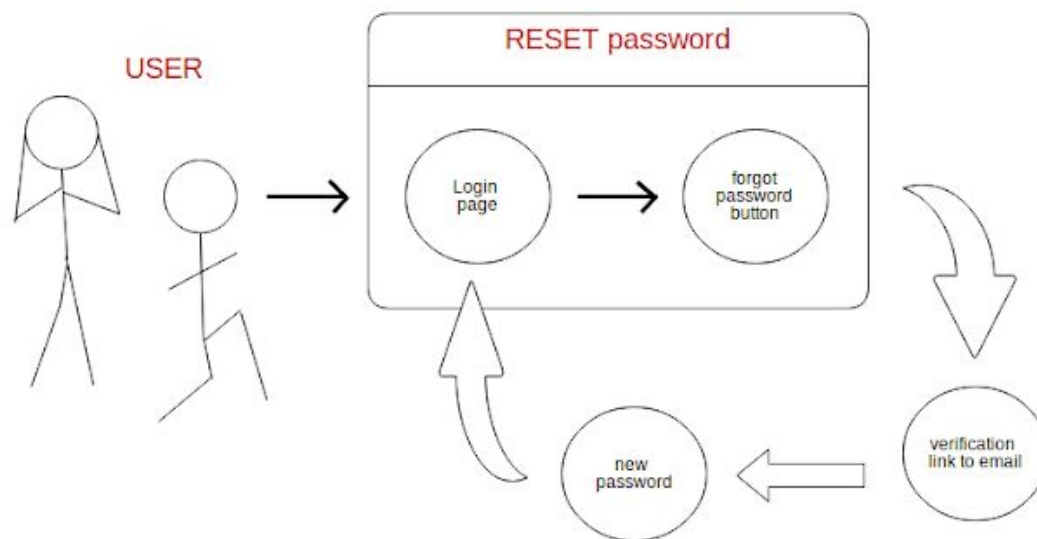
| Use Case ID:	**LUP 9, LUP 10, LUP 11**
Use Case Name:	Edit/Update/Delete Places page
Actors:	Admin
Description:	As a admin, being on Places page, he will automatically be capable to have "edit" button to make several changes, update some information or delete it.

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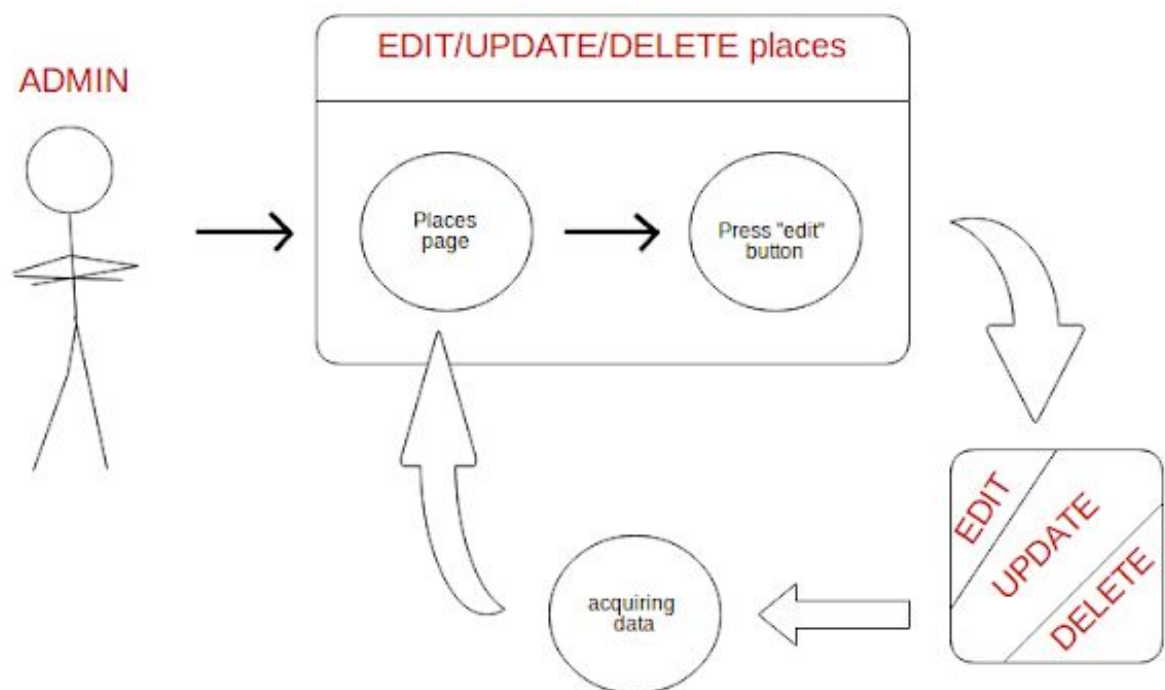
Use Case ID:	**BLO 3, LUP 4**
Use Case Name:	Search Blog, Place
Actors:	User
Description:	As a user of a website i want to find specific blog from all blogs or find specific place from all places via using search bar on a page specific place
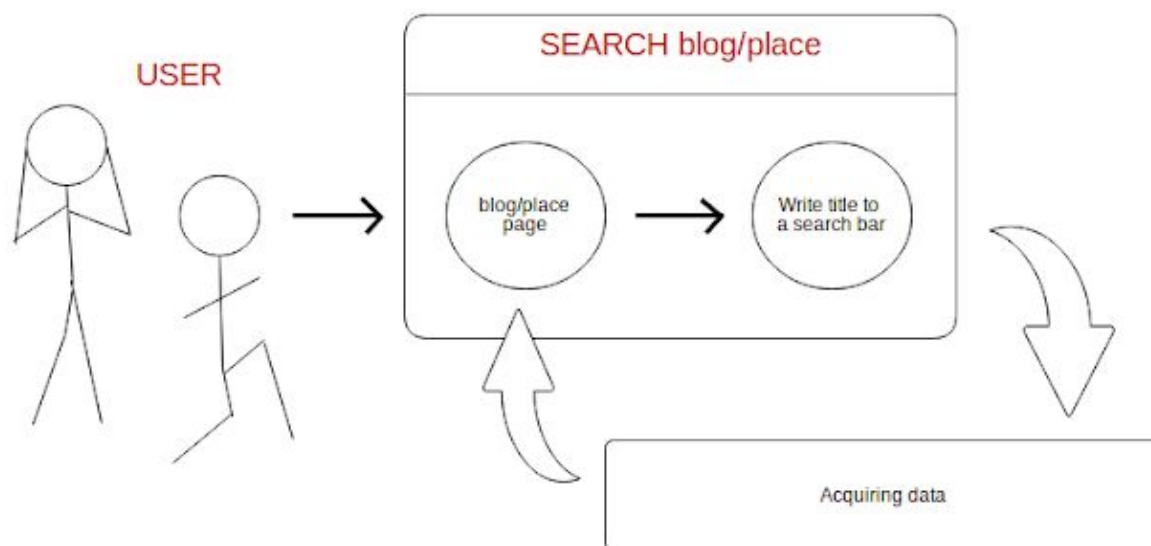
Use Case ID:	**BLO 9, BLO 10**
Use Case Name:	Edit/Update/Delete Blog page
Actors:	Admin
Description:	As a admin, being on Blog page, he will automatically be capable to have "edit" button to make several changes, update some information or delete it.
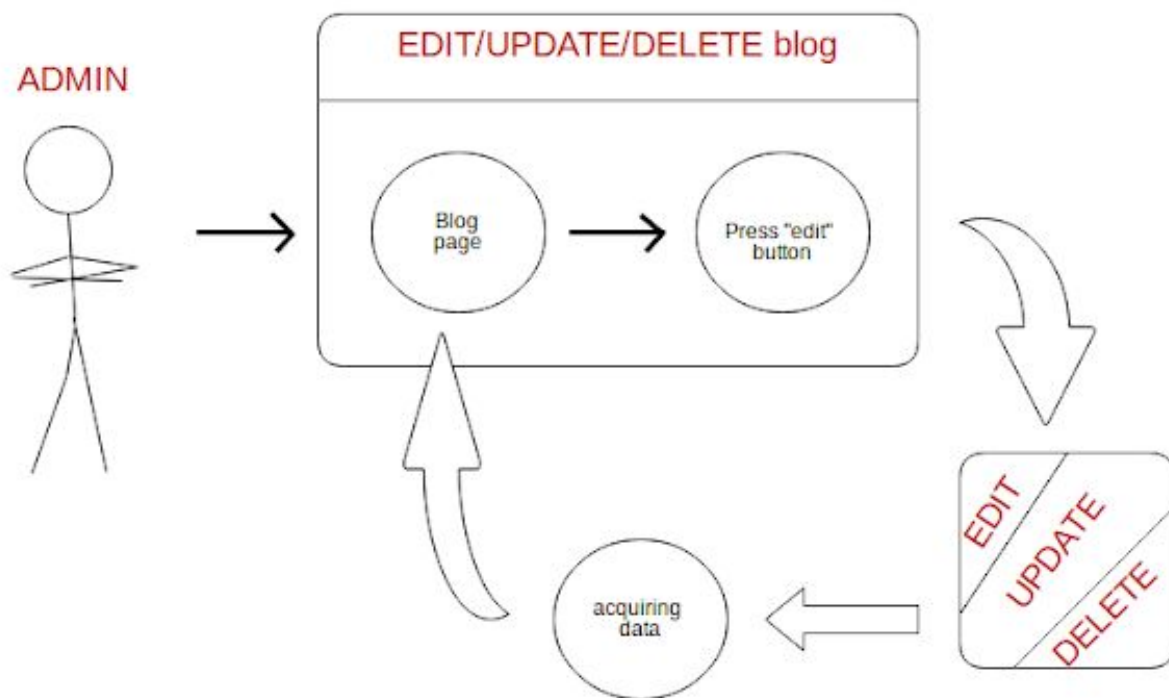
Use Case ID:	**USE 11**
Use Case Name:	Search user
Actors:	User
Description:	As a registered user, he should be capable to find specific person.
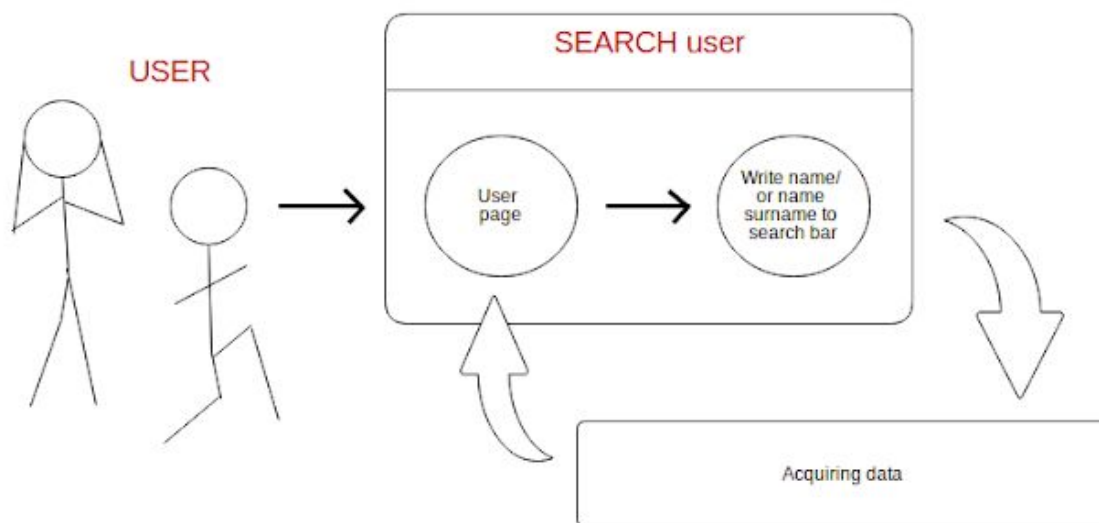
Use Case ID: **USE 4**

Use Case Name: See all Guide's added places

Actors: User

Description: As a registered user, he should be capable to see all places that
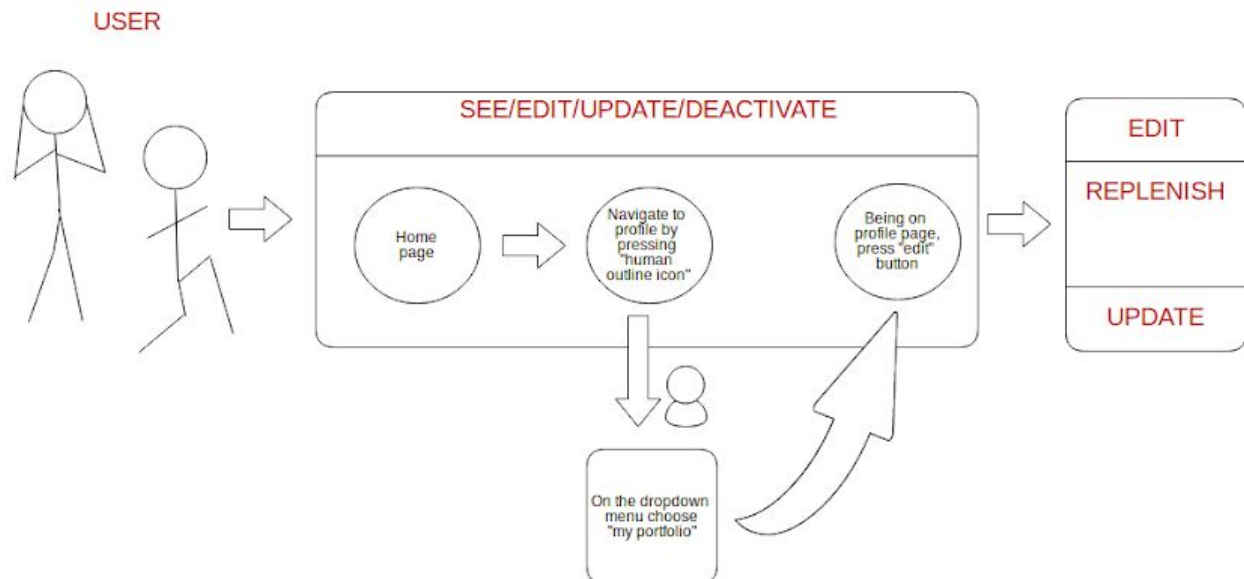   specific Guide has added.
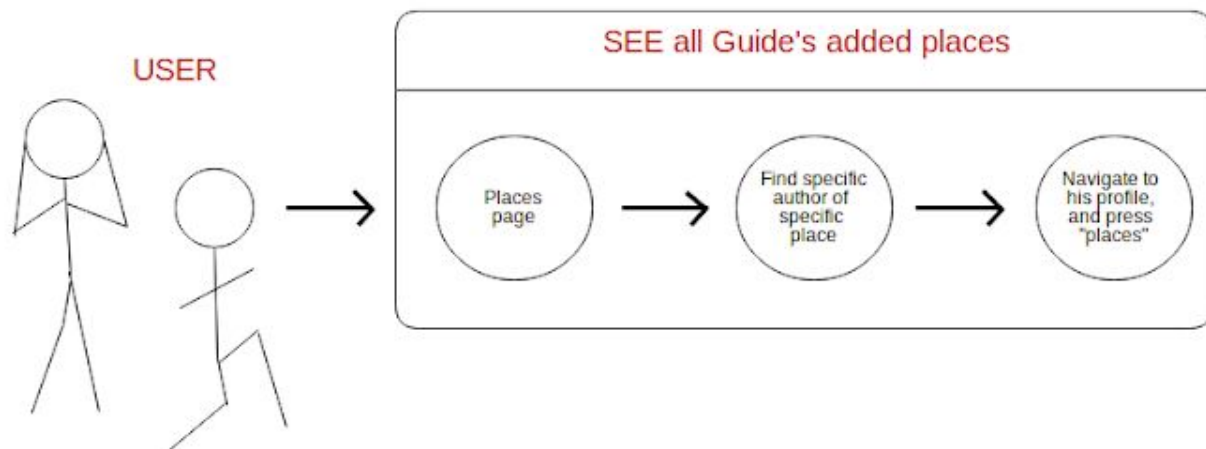
Use Case ID:	**USE 10**
Use Case Name:	Have profile page
Actors:	User
Description:	As a registered user, he should be capable to have and be able to customize, update and edit his own profile page.

|	
Use Case ID:	**USE 5**
Use Case Name:	See all user's blogs
Actors:	User
Description:	Being user, he should be capable to see all blogs that certain user has posted.
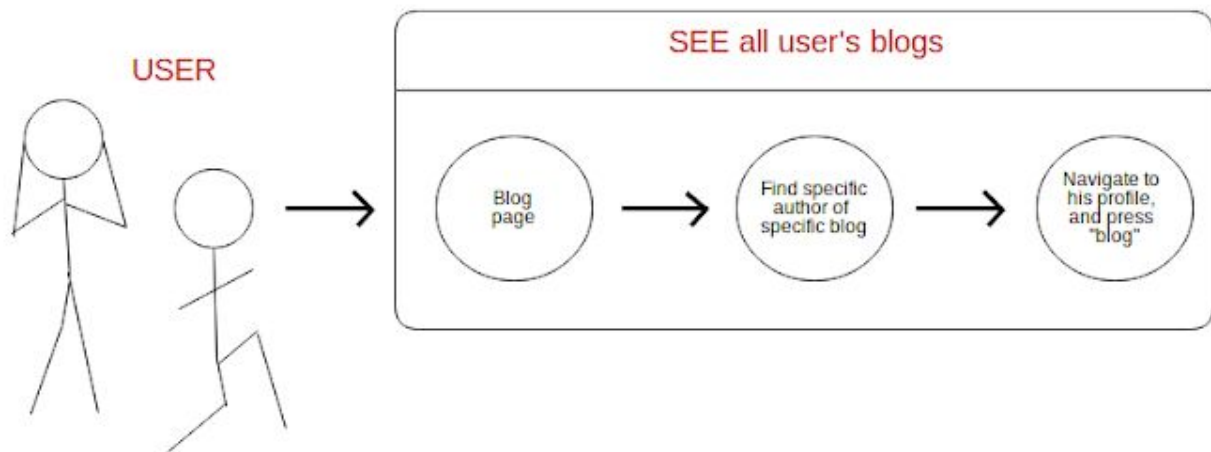
Use Case ID:	BLO 6, LUP8
Use Case Name:	Update places or update blogs as his owner
Actors:	User
Description:	Being user, he should be capable to update data on either blog or either places page to correct some mistakes or add specific data or delete all information.
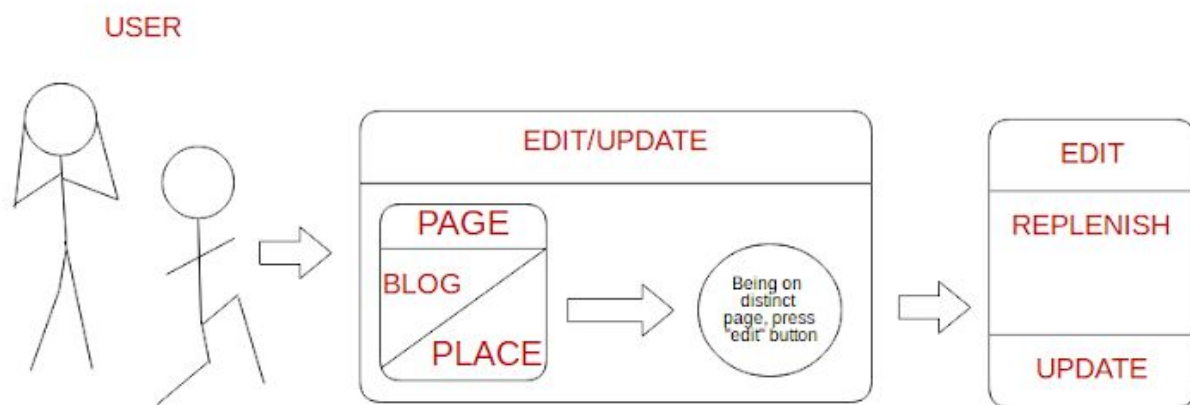
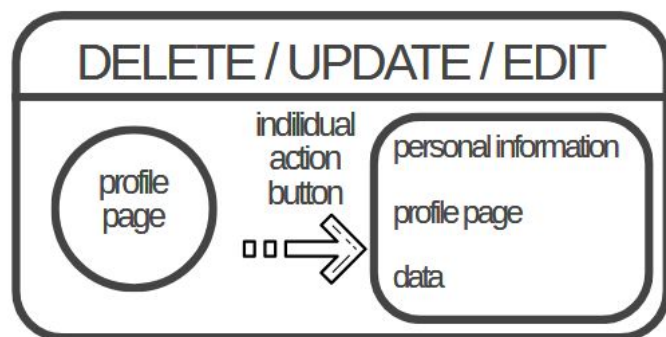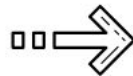| Use Case ID:	USE 7, USE 8, USE 12
Use Case Name:	Update, edit or delete content on user page or user page itself
Actors:	Admin
Description:	As an admin, let's assume such situation where u need to update, edit or delete content on user page or user page itself. To perform such operations, "edit button" should be pressed by Admin.
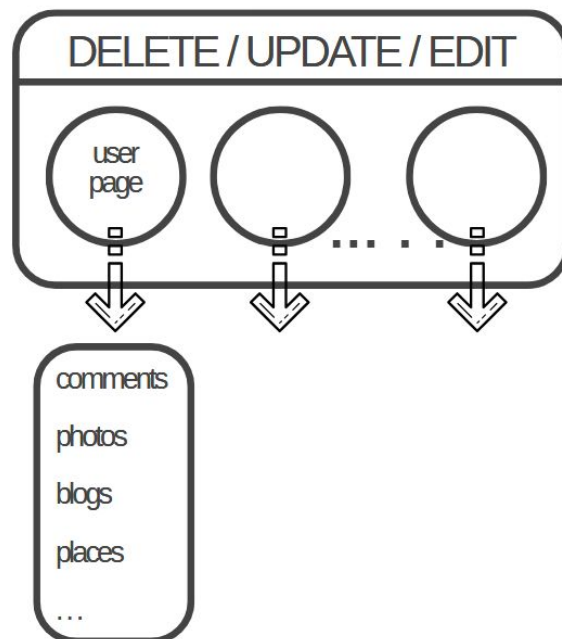
| **Use Case ID:**	**USE 9, USE 6**
Use Case Name:	Update, edit or delete content on user page or user page itself
Actors:	User
Description:	As an user, let's assume such situation where u need to update, edit or delete content on user page or user page itself. To perform such operations, user should presse needed button to perform such actions.

USER

DELETE / UPDATE / EDIT

profile page

indilidual action button

personal information

profile page

data

|	
Use Case ID:	**USE 3, USE 14**
Use Case Name:	Add or delete comments on someone's user page
Actors:	User
Description:	As an user, let's assume such situation where u need to delete or add comment to someone's user page. Needed button should be pressed.
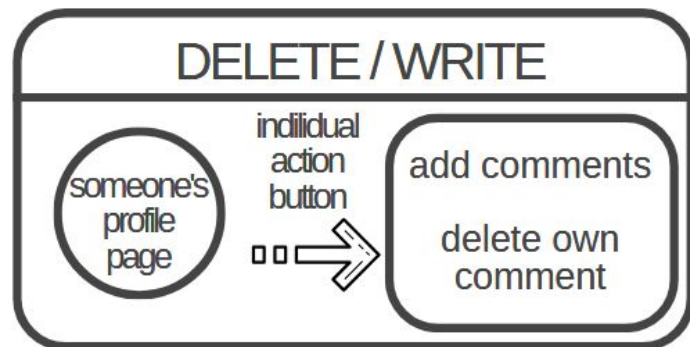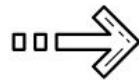
Use Case ID:	NEW 12, NEW 7, NEW 6
Use Case Name:	Introduction for new users
Actors:	Guest / Gid / Tourist / Registered User
Description:	Introduction designed to prevent misunderstanding in using traveller service, and show basic stuff for individual actors such as for Gid / Tourist / Registered User.
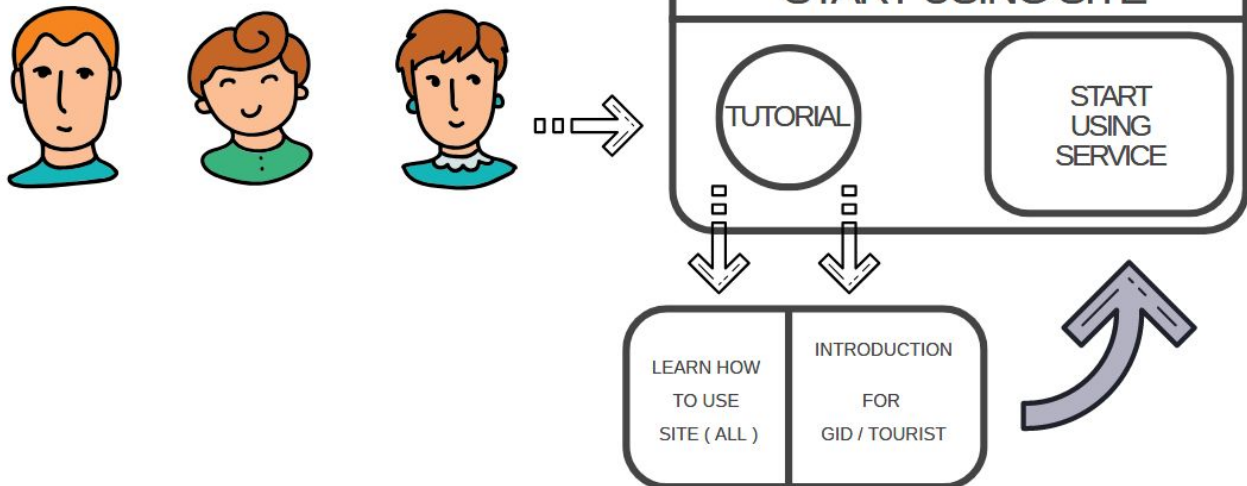
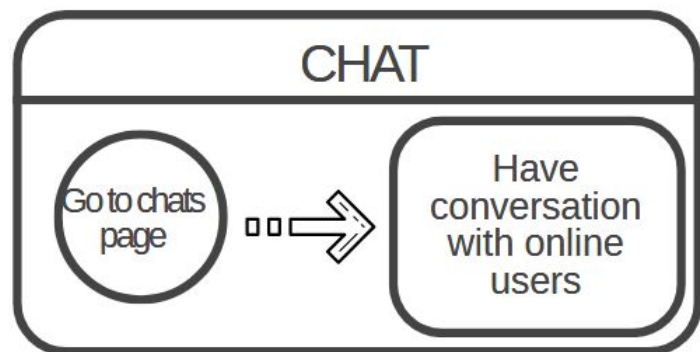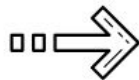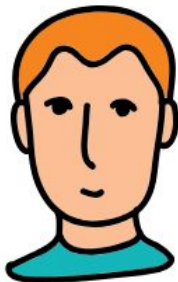|	
Use Case ID:	**NEW 13**
Use Case Name:	Chat
Actors:	Any registered User
Description:	Have a opportunity to make a conversation with someone / online users of the same service.

|	
Use Case ID:	**LUP 5, LUP 15, BLO 8, BLO 14**
Use Case Name:	Delete / add comments to place from / to blogs / places page
Actors:	Any registered User
Description:	Have a opportunity to delete / add comments from / to blogs / places page.
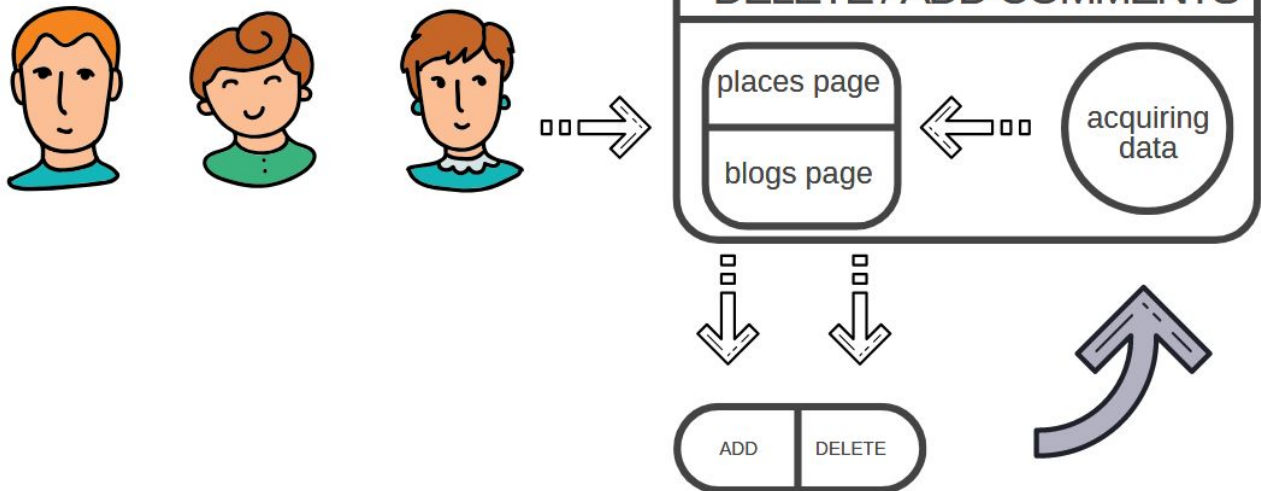
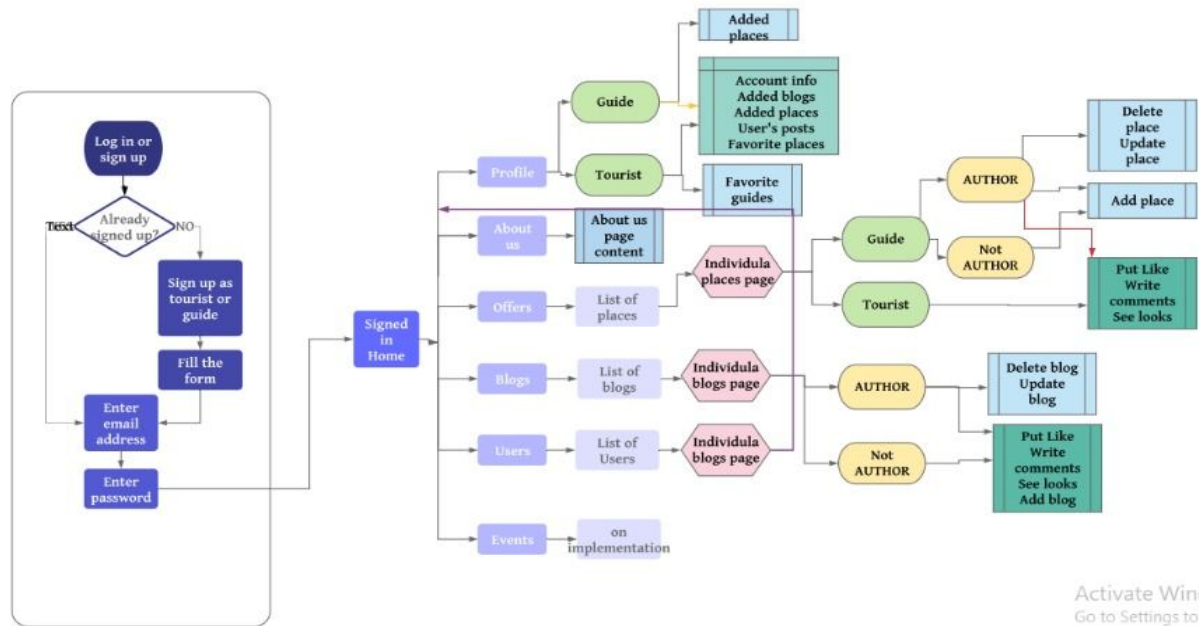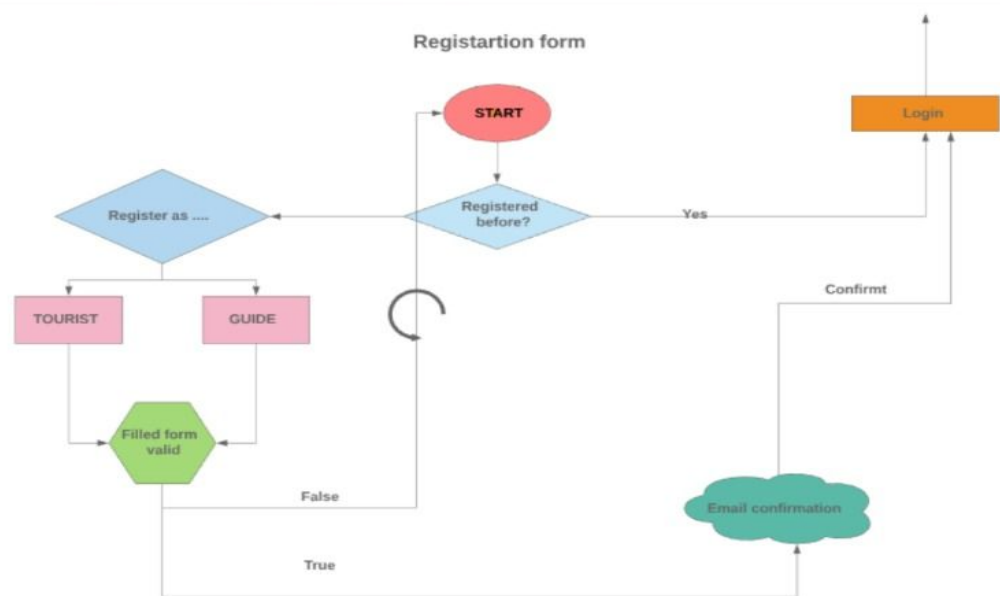| Use Case ID:	**LUP 13, BLO 11**
Use Case Name:	Delete comments from places / blogs pages
Actors:	Admin
Description:	Have a opportunity to delete comments from places / blogs pages. Individual privileges are gaved. Edit button should be pressed.
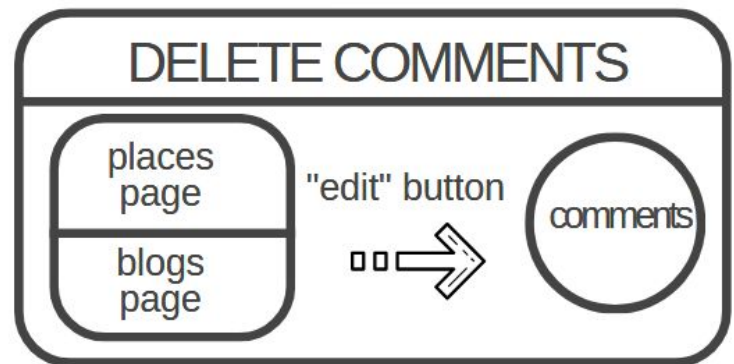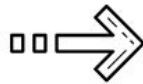
B. Data Flow Diagram

➔ Overall system

➔ Registration form

6.User Requirements

Actor	Description
GID	Potential customer service, regardless of gender and nationality. one of the reasons for the use may be wage interest. Educated, with supporting documents for the filing of the process of approval of his identity.
TOURIST	Potential customer service, regardless of gender and nationality. One of the reasons for the use may be tourist interest. The purpose of which is to visit and relax with an active form of recreation.
GUEST	potential customer service, regardless of gender and nationality For the initial acquaintance with the service without any need for registration and confirmation of personalities but with limited possibilities of interaction with the account.

7.Technical Requirements

    c. Performance
        i. Web-based applications without any serious system requirements for use.
        ii. A stable internet is required.
        iii. a processor that supports HTML5 code and virtualization of CSS code and Javascripts latest version.

    d. Scalability
        i. Web-oriented.
        ii. Can be imported to mobile devices.
        iii. Not limited to one state or region.
        iv. Public.

    e. Security
        i. Integrated protection within the service followed by a protocol for it.

    f. Maintainability
        i. Automated.
        ii. In case of need of repair, service stops the work in due time warning about it.

    g. Usability
        i. Like any web-based site, it will be as convenient as possible and not cause dubious feelings during interaction with the site.
        ii. From Personal Computer or Smartphones.
        iii. Android iOS mobile platforms compatibility.

    h. Localization Support
        i. English.
        ii. Russian.
        iii. kyrgyz.

    i. Auditing and Logging
        i.

    j. Availability
        i. via e-mail with the further integration of Google services

8.Hardware Requirements

1. Network
   a. stable internet connection
2. Client Computer
   a. Browsers:
      i. Chrome* 36+
      ii. Edge* 20+
      iii. Mozilla Firefox 31+
      iv. Internet Explorer 11+ (Windows only)
      v. Safari 6+ (MacOS only)
   b. Browser Configuration:
      i. Strongly Recommended--add www.opentravel.com to trusted sites.
      ii. JavaScript must be enabled
      iii. Cookies must be enabled.
      iv. Pop-up windows must be enabled.