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2. Title: Hiking Companions

3. Project Summary: A hiking web application that allows hikers to post hiking plans, find companions with the same hiking routes, and join hiking events to hike together. Users can leave feedback of the routes and making friends with other hikers.
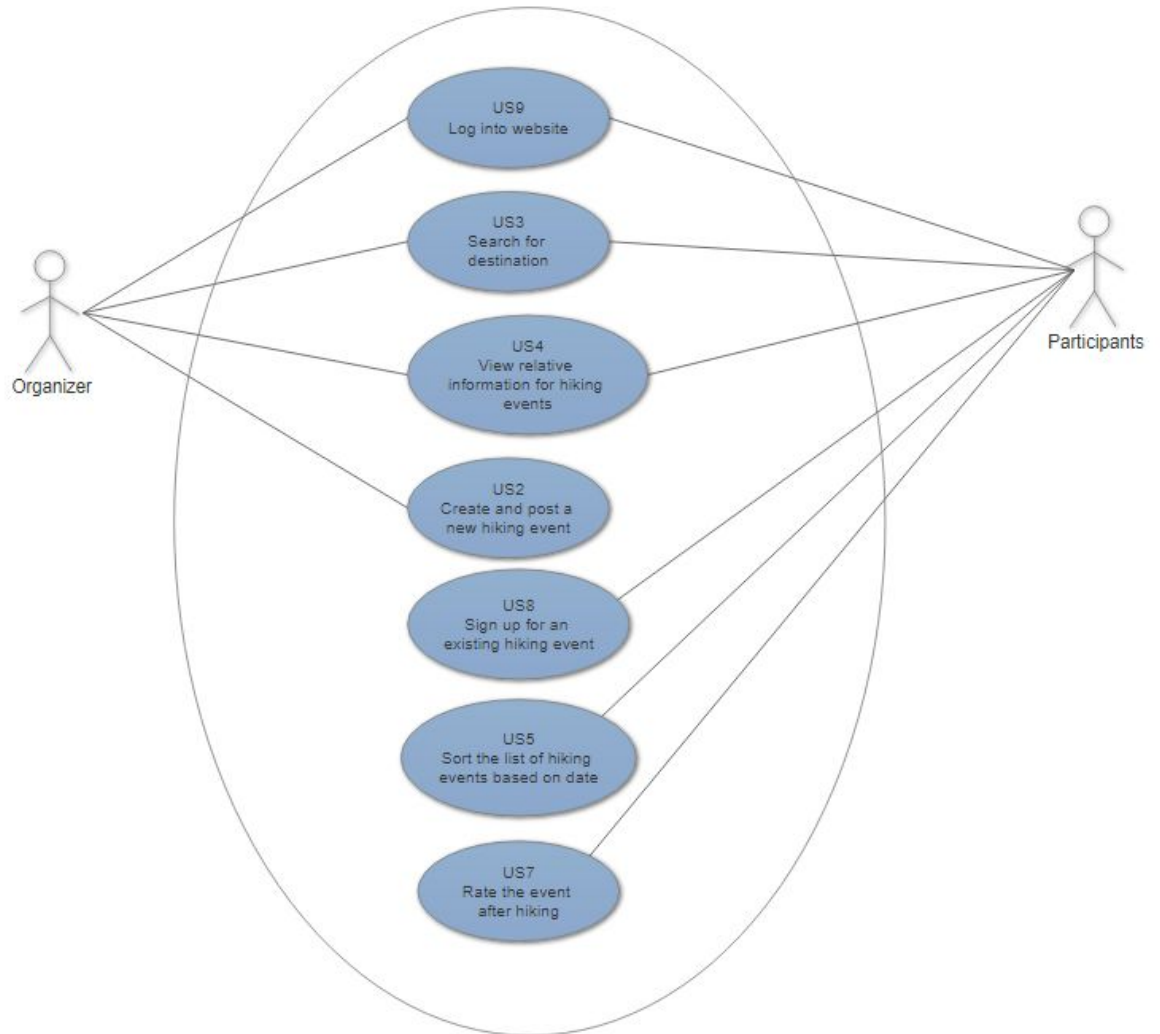
4. Project Requirements:

ID:	Description:
US1	As a user, I want to create an account.
US2	As a user, I want to create a hiking event and post it.
US3	As a user, I want to search the destination that I'm interesting in.
US4	As a user, I want to check the specific information such as, date, time, destination, number of people, and how many people are already in, for each event that posted by other users.
US5	As a user, I want to sort the date for all hiking events for the same destination.
US6	As a user, I want to review the event in Profile Page.
US7	As a user, I want to rate the event after hiking.
US8	As a user, I want to sign up for a hiking event.
US9	As a user, I want to log in to the website application.

5. Use Cases:
  a. Use Case Overview:

Hiking Companions Use-Case Overview:

US9
Log into website

US3
Search for destination

US4
View relative information for hiking events

US2
Create and post a new hiking event

US8
Sign up for an existing hiking event

US5
Sort the list of hiking events based on date

US7
Rate the event after hiking

Organizer

Participants

b. Use Case Document(s):

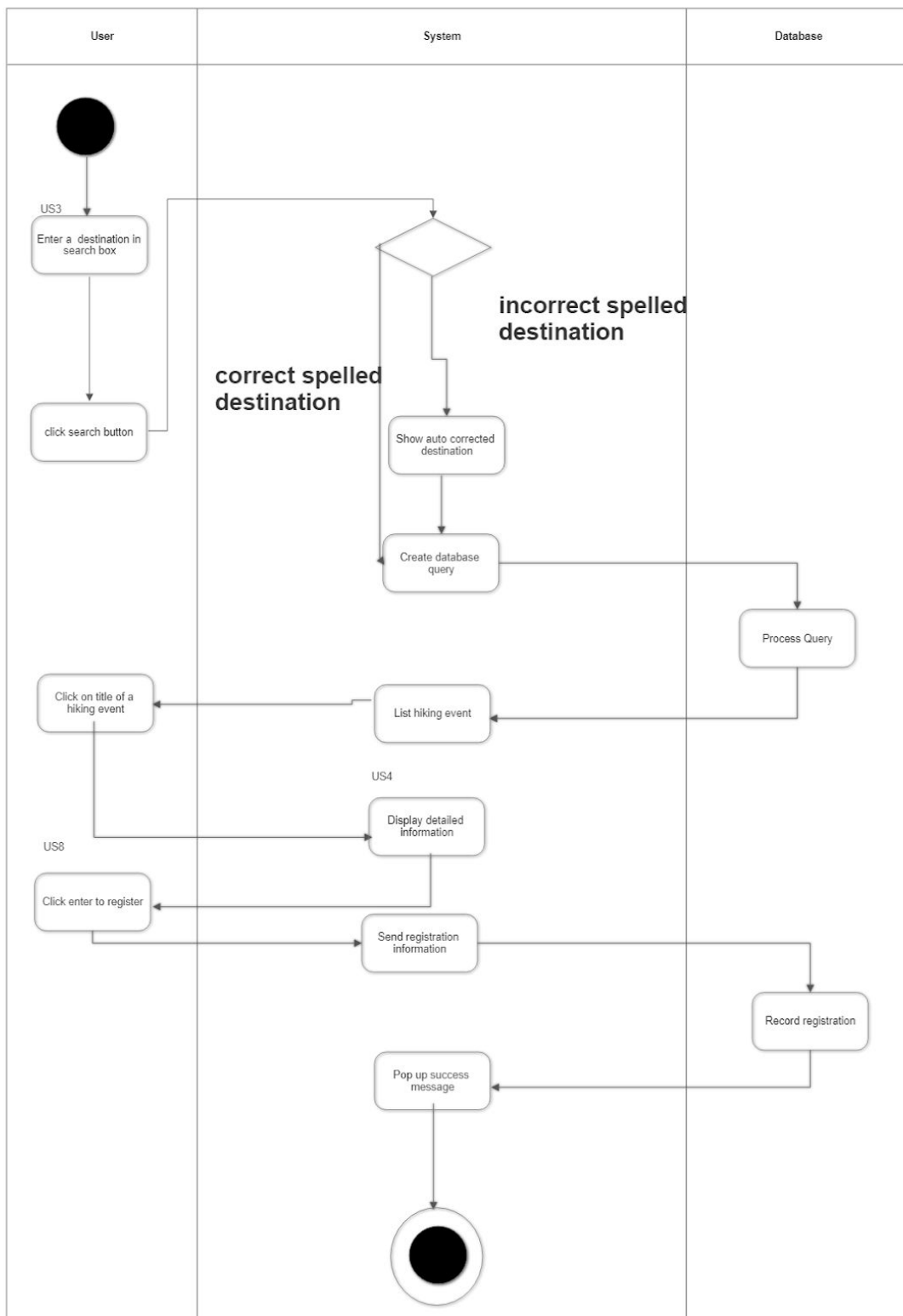| Use Case ID:	US8
Use Case Name:	Register a hiking event.
Description:	Hikers can search and sign up events and the system will list all the hiking events based on the criteria.

Actors:	Hikers			
Pre-conditions:	Hikers logged in.			
Post-conditions:	Hikers is redirected to a hiking list page according to their criteria.			
Frequency of Use:	Use on demand.			
Flow of Events:		**Actor Action**		**System Response**
	1	Enter a destination in search box		Shows the auto-correction destination.
	2	Click Search button.		List of hiking events displayed that are tagged to this standard.
	3	Click on title of a hiking event.		Display detailed information about this event, including participants, time and hiking routes.
	4	Click Enter to register an event.		Send registration information to database. Pop up success message
Variations:	4. Hikers can click cancel to return to the previous list page.			
Exceptions:	4. Error message: Exceeding maximum hikers allowed for this event			
Developer Notes:				

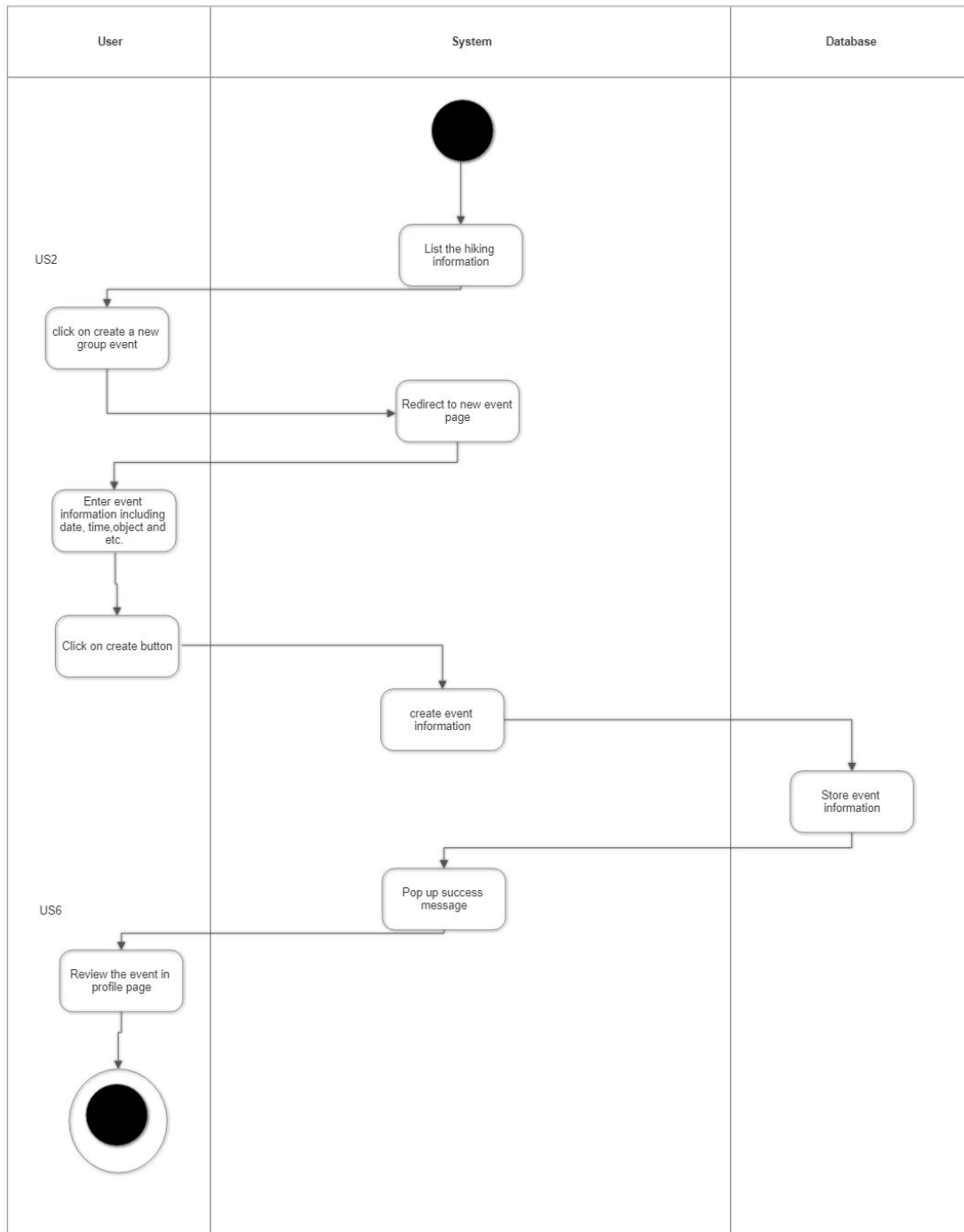| Use Case ID:	US2
Use Case Name:	Creates an hiking event
Description:	Hikers can create an hiking event if they can't find a desired one.

Actors:	Hikers			
Pre-conditions:	Hikers logged in and searched for the relative events.			
Post-conditions:	Hikers start an event under their profile.			
Frequency of Use:	Use on demand.			
Flow of Events:			**Actor Action**	**System Response**
	1		Click on Create A New Group Event.	Redirect to New Event Page
	2		Enter event information including Date, Time, Destination and etc.	
	3		Click on Create Button	Pop up success message if successfully created this event.
	4		Review this event in Profile page.	
Variations:	3. Click on Cancel Button to cancel this event.			
Exceptions:	4. Error message: Server busy.			
Developer Notes:				

6. Activity Diagram:

1. Sign up a hiking event

2. Create an hiking event

User	System	Database

US2

- List the hiking information
- click on create a new group event
- Redirect to new event page
- Enter event information including date, time,object and etc.
- Click on create button
- create event information
- Store event information
- Pop up success message

US6

- Review the event in profile page

7. UI Mockups:
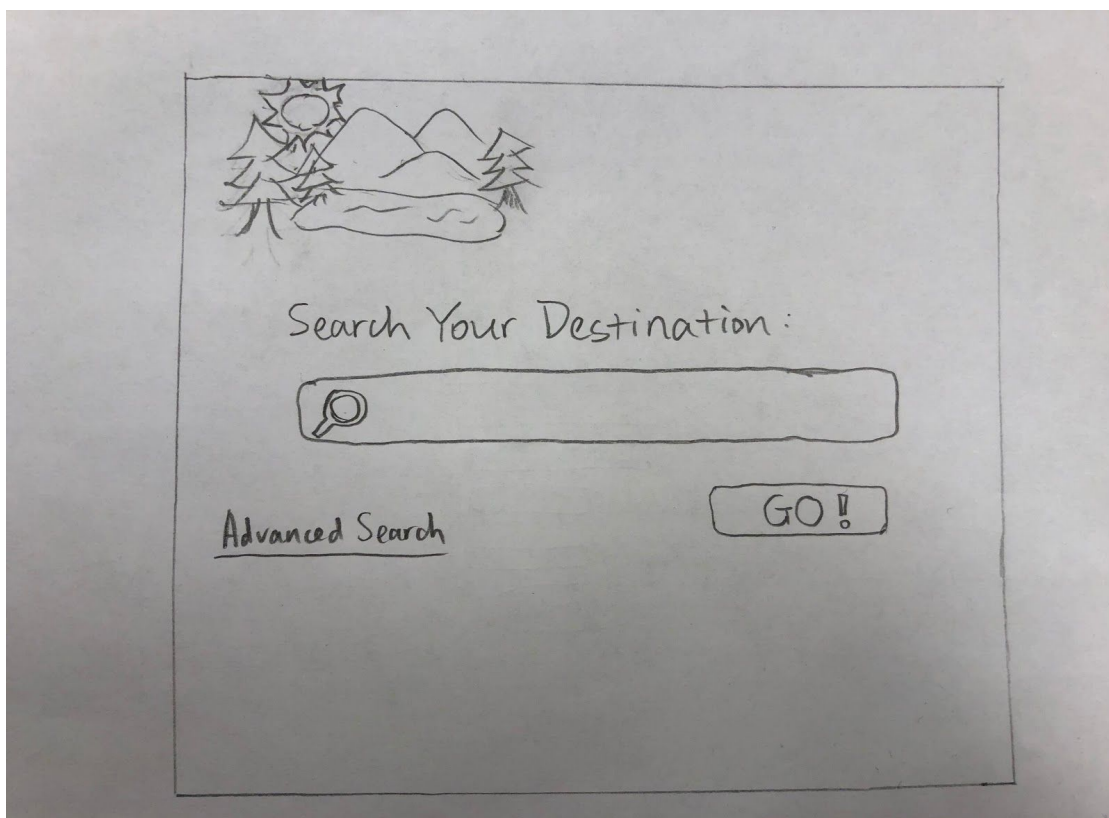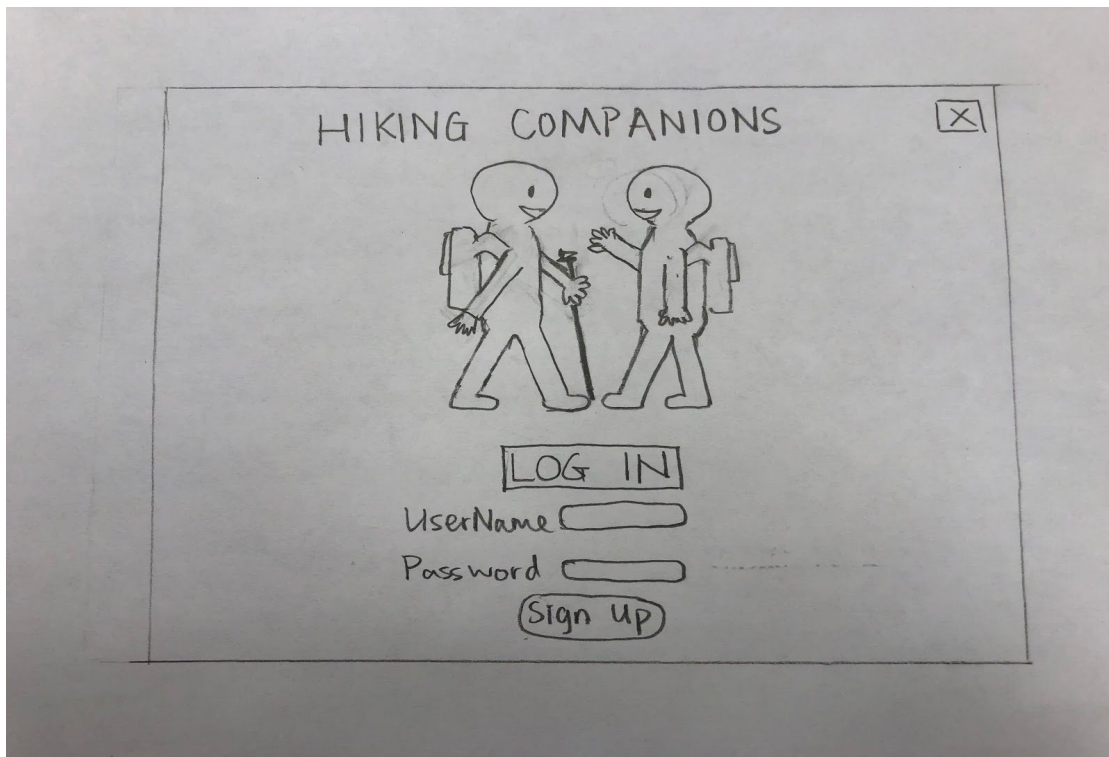
Destination: Rocky Mountain National Park.

Date ⬇sort	Time ⬇sort	Objects ⬇sort	Organizer ⬇sort	# of People ⬇sort	
03/05/18	9:30 AM – 12:30 PM	Bear Lake	Lucas H.	3/8	(Enter)
03/13/18	8:00 AM – 10:30 AM	Grand Lake	Amy C.	5/7	(Enter)
:	:	:	:	:	
:		:		:	

+ Create A New Group Event   Go Back

Enter For This Event

Date: 03/05/18

Time: 9:30 AM – 12:30 PM

Objects: Hiking Around Bear Lake

Organizer: Lucas H.

# of People Wanted : 8

# of People Enrolled Now: 3

Details: Organizer written event details

√ Enter   X Cancel

Create A New Group Event

Date: [   ]

Time: [   ] — [   ]

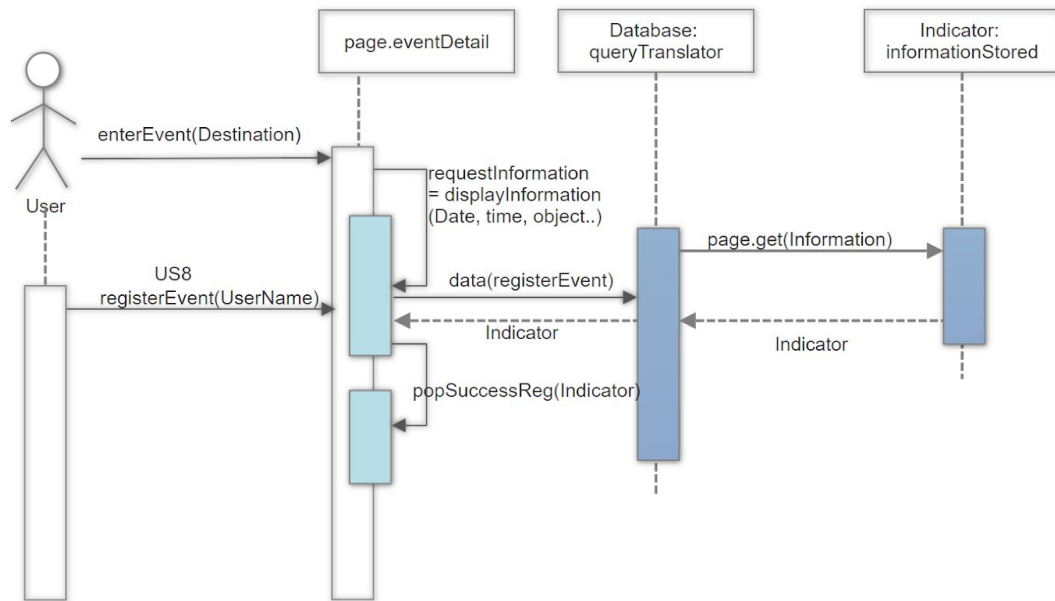Destination: [   ]

Objects: [   ]

# of People: [   ]

# of Date to Post: [   ] days

Details: | organizer can write event details here. |
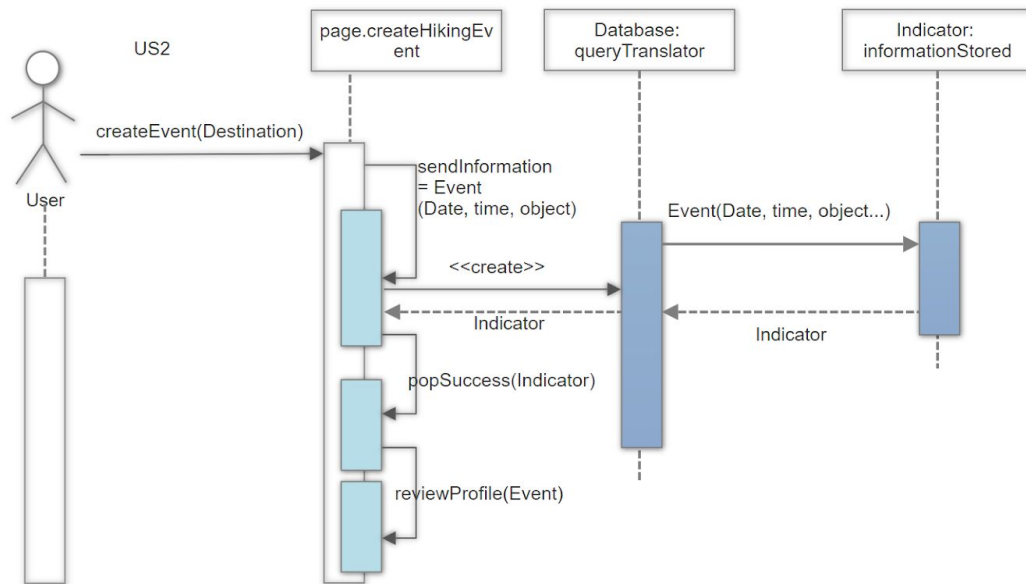
[✓ Create] [✗ Cancel]

8. User Interactions:

Use case: User can register a hiking event

Use case: User can create a hiking event

9. Class Diagram: