

## Use Case Descriptions:

1)

**Use Case:** Edit/Add/Remove Account Interest Tags

**Primary Actor:** Volunteers

**Goal in Context:** For a volunteer to change their existing interest tags

**Preconditions:** Volunteer must have an account

**Trigger:** Volunteer wishes to change or see their existing interest tags

**Scenario:**

- Volunteer is logged on
- Volunteer clicks 'Account' - drop down tab
- Volunteer clicks 'Manage Interest Tags'
- Application shows the user their existing interest tags
- Volunteer can click edit to add/remove interest tags, then the 'save' button to confirm the changes

**Open Issues:**

-Admins should eventually be able to do this as well for security and moderation purposes

**Exceptions:** -Volunteer selects more than max amount(5) of interest tags

2)

**Use Case:** View Opportunities List (sorted by recommendations)

**Primary Actor:** Volunteers

**Goal in Context:** To view all the upcoming opportunities created by Organizations or Admin

**Preconditions:** There are opportunities in the database to view; opportunities have locations/organization/date fields filled out; user has interest tags selected; event has interest tags attached; user and event interest tags overlap

**Trigger:** The user would like to view upcoming opportunities

**Scenario:**

- Volunteer is logged on
- Volunteer clicks 'opportunity' tab in menu
- Volunteer can view upcoming opportunities
- Filter by date
- Filter by organization
- Filter by location
- Filter by recommendation
- System displays all opportunities 'by recommendation' as a default

**Exceptions:** -Volunteer has no overlapping opportunities: in which case they see the opportunities as normal(sorted by date)

3)

**Use Case:** Add Interest Tags to Tag Library

**Primary Actor:** Volunteers and Organizations

**Goal in Context:** Add new 'interest tag' to existing tag library for organizations and students to pick from.

**Preconditions:** Tag to be added in is not in the existing library; Organization has an event to add tags to; Volunteer has an account

**Trigger:** Volunteer or Organization clicks 'add interest tag' when on any screen of the screens involving interest tags (edit event, add event, add/edit interest tags)

**Scenario:**

- Volunteer or Organization is logged on
- Volunteer goes to Account tab, and clicks 'Manage Interest Tags'
- Organization selects "New Opportunity/Event or selects 'edit existing Opportunity/Event'
- User inserts new tag into input box and clicks 'Add Interest Tag' button
- Tag is sent to Admins in order to be approved to be added into the library

**Open Issues:** -Should involve some sort of filter for profanity

-User should not be able to spam submit an entry

**Exceptions:** -Tag already exists in the library

-Tag is rejected by Admins

### **Existing Use Cases Slightly Modified By My Project:**

**-Volunteer Makes Account:**

-This use case involves a volunteer creating an account. My modification would only involve adding a new input field for a user to select 'Interest Tags' to be associated with their account for recommendation purposes.

-This would add the following possible exception to the use case: -User selects more than the max amount of interest tags for an event.

**-Organizations Create Opportunity:**

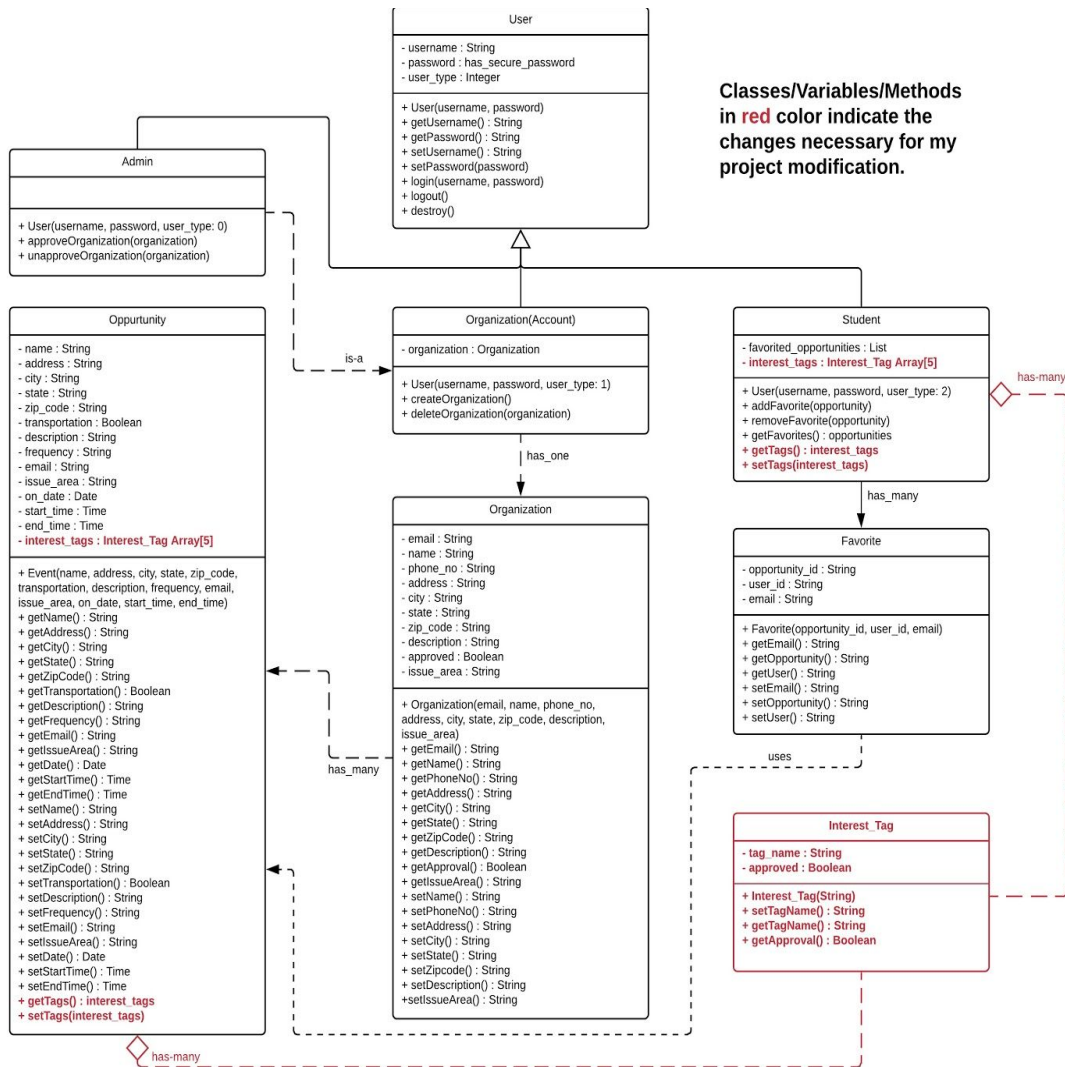
-This use case involves an organization adding an event/opportunity. This is then routed to be approved by a CELR Admin. My modification would only involve adding a new input field for 'Interest Tags' to be associated with an opportunity/event.

-This would add the following possible exception to the use case: -User selects more than the max amount of interest tags for an event.

**-Update Info:**

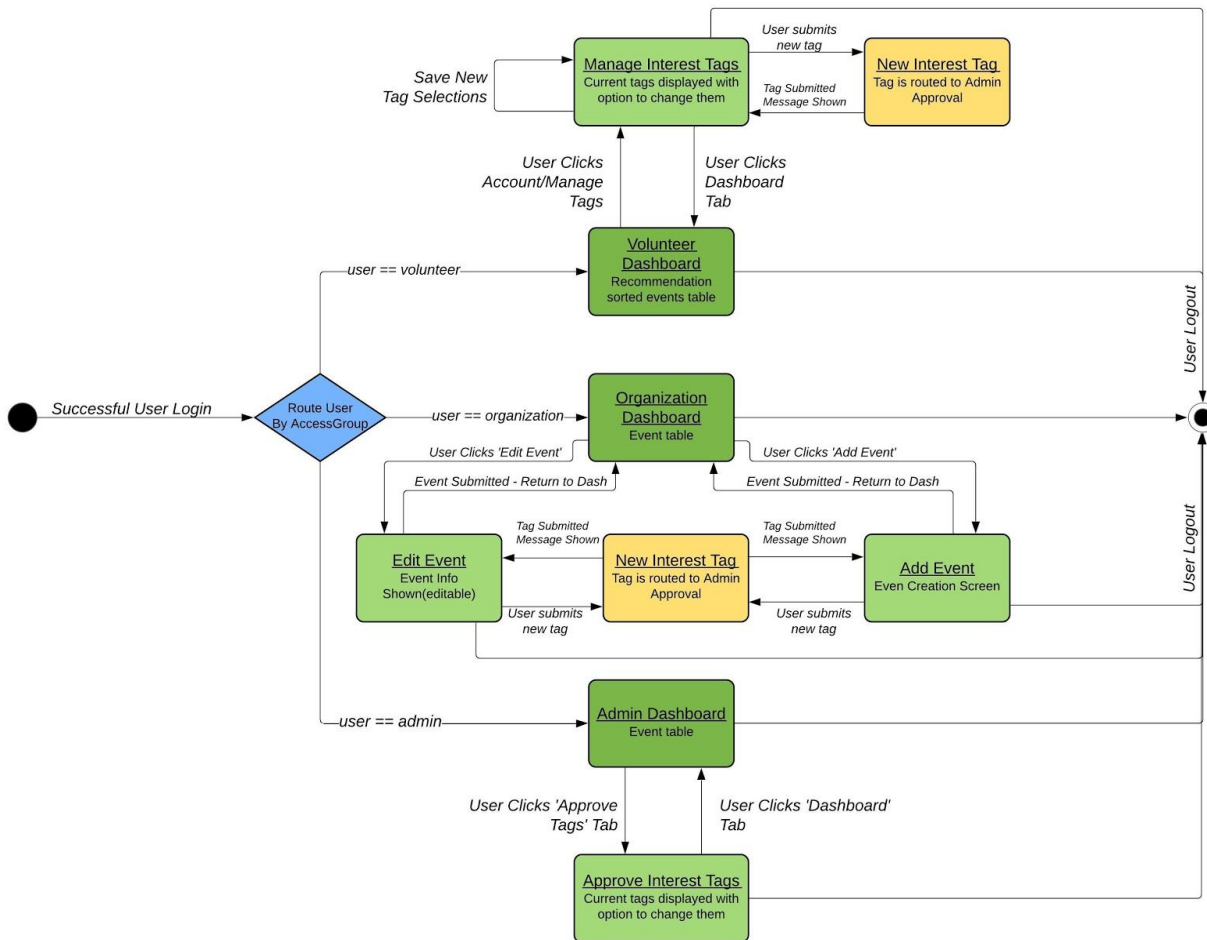
- This use case involves an organization or admin editing the details of an existing event/opportunity in the case that event details change or there was a typo on creation. My modification would only involve allowing a user to edit the 'Interest Tags' tied to the event.
- This would add the following possible exception to the use case: -User selects more than the max amount of interest tags for an event.

# Detailed Design Class Diagram:



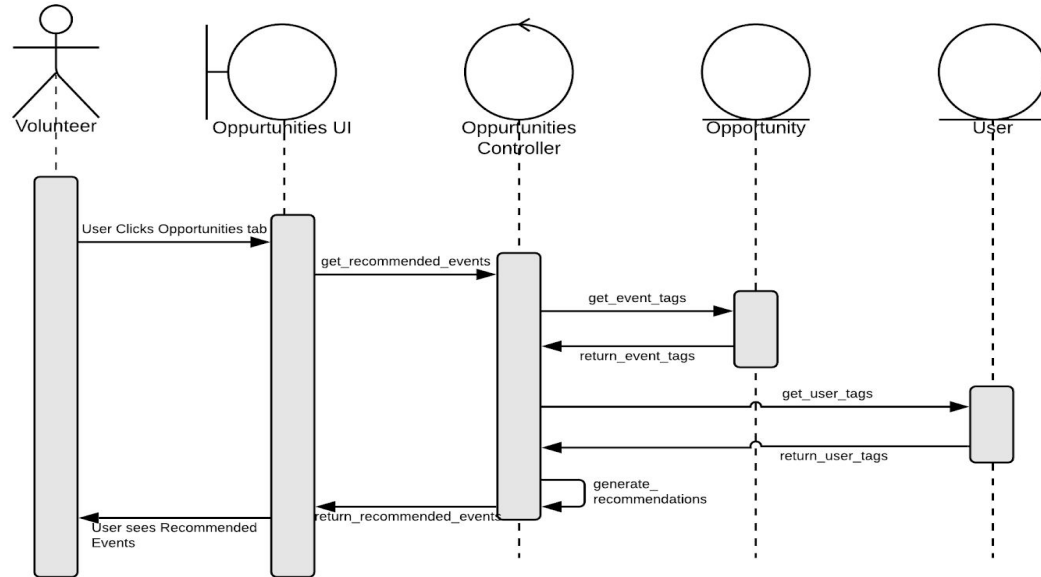
-After review, the table provided in the SERV D documentation folder does not seem to be entirely accurate, or I may just be missing something. I have not been able to find a Student

## Statechart:

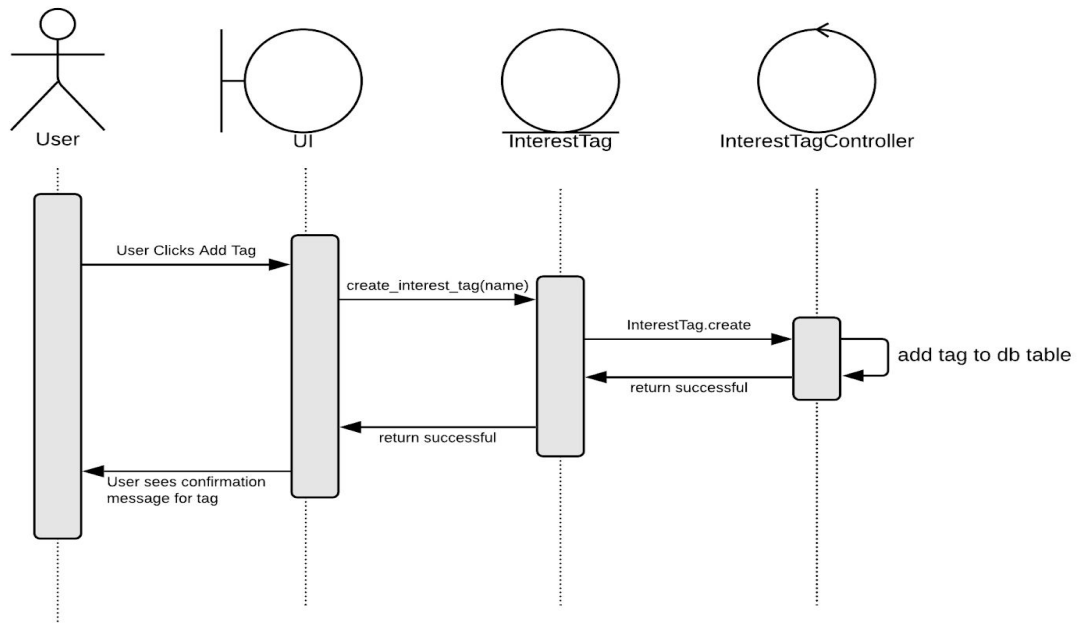


## Detailed System Sequence Diagrams:

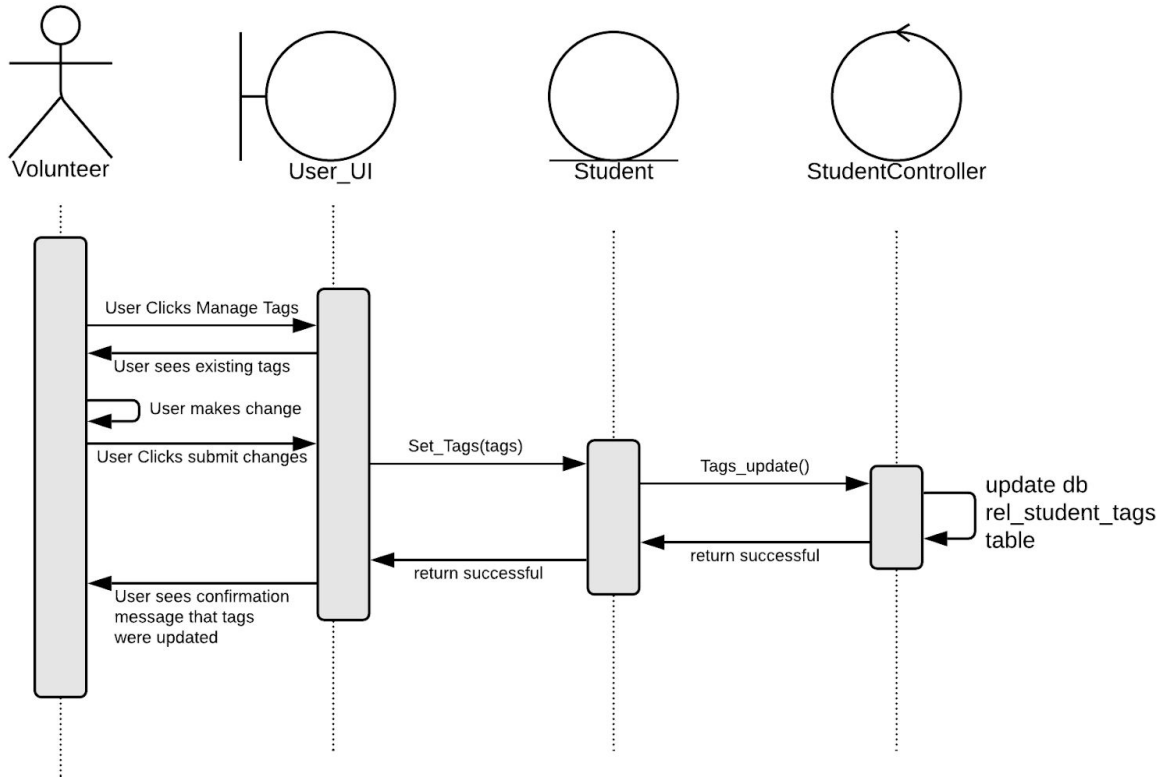
### View Opportunities List



### Add New Interest Tag




## Manage Account Interest Tags



# UI Mockups:

## -Screen for Volunteer Dashboard:

EventsOrganizationsDashboard

Account


Edit Interest TagsLogout

### Events

Event Name	Organization	City	State	Date	Issue Area
Dog Walking	ABC Org.	Ewing	NJ	3/8/2019	Animal Care
Tours	TCNJ Meet	Ewing	NJ	3/7/2019	Campus Awareness
Food Kitchen	MSF Org.	Ewing	NJ	3/4/2019	Hunger
Highway Cleanup	Trenton Clean	Trenton	NJ	2/27/2019	Environment Care
Beach Cleanup	Ocean Global	Sandy Hook	NJ	2/22/2019	Environment Care
Tutoring	TCNJ Tutors	Ewing	NJ	2/7/2019	Academic Help
Book Drive	Schools Unite	Ewing	NJ	2/3/2019	Academic Deprivation
Special Olympics	Special Olympics	Ewing	NJ	1/24/2019	Special Needs

\*\*Events **highlighted** indicate that they are recommended for you based on interest tags.

## -Screen for Volunteer Account Creation:

EventsOrganizations

### Sign up

Email

Example@email.com

Password

\*\*\*\*\*

Confirm Password

\*\*\*\*\*

-Tag Submitted for review.

New Tag...Add Tag

Chosen Tags:

Leadership

Outdoors

Interest Tag Library:

Animals

Sports

Indoors


Kids

Special Needs

Create my Account



**-Screen for Tag Approval under Admin Dashboard:**


 Events Organizations Dashboard Tags admin@email.com

## Approve Tags

Technical Work  
Human Interaction  
potential bad word

[Approve](#) [Reject](#)  
[Approve](#) [Reject](#)  
[Approve](#) [Reject](#)

**-Screen for Add/Edit Event/Opportunity:**

 Events Organizations Dashboard example@email.com

## New Opportunity

Name \*

On date

2019 April 5

Start time

06 PM : 27

End time

06 PM : 27

Frequency

Address \*

City \*

State (XX) \*

Zip Code (XXXX) \*

Tag Submitted for review

New Tag... Add Tag

Chosen Tags:

Leadership  
Outdoors

Interest Tag Library:

Animals  
Sports  
Indoors  
Kids  
Special Needs