

## **Stage III**

### **October 14th, 2019**

#### Project Description And Value It Will Add:

Our commitments to SERVVD will add functions that will enable volunteers to sign up for events, favorite organizations and events, listing events that the student has been involved with, and get email notifications for events. The value that these features will add is to make SERVVD usable by the campus community and integrated into the TCNJ network of student applications.

#### Social, Economical, and Real-World Issues To Be Addressed:

##### Social:

In order for the SERVVD system to provide value it will need to build organization awareness, generate committed volunteers, and transform volunteers into repeat volunteers. SERVVD will build organization awareness by providing a platform in which an organization can provide details about itself as well as details and requirements about its events. SERVVD makes no attempt to transform one-time volunteers into repeating volunteers. We will tackle this issue by beginning to implement a notification system that could be capable of informing volunteers of events that they have previously signed up for needing volunteers again. We will begin to implement this notification system by tackling the issue of non-comitale volunteers. These are volunteers who expressed interest in an event but do not show up either due to lack of diligence or forgetfulness. The notification system will email these students reminding them of the event and the organization's need for help.

##### Economic:

In order for the SERVVD system to provide value it will need to overcome economic hurdles such as a lack of funding for system maintenance and cost of transportation to an event. We are handling the issue of cost of maintaining the system in two parts. First, we are thoroughly documenting our work so that the time invested in maintenance is lessened. Second, we are developing the system iteratively so that each iteration is a functioning product, allowing it to be developed further when support becomes available or used as is. The second major economic issue we identified was volunteers will need to know what sort of transportation is required to get to the event. We are providing an attribute on the students profile to indicate what sort of transportation they are comfortable with walking, car, bus. Collecting this information would allow the system to be further

developed in the future allowing volunteers to filter results based on their preferences.

#### Real-World:

SERVD will need to be easy to access and user friendly so that students will want to volunteer for events due to ease of signing up. We also need to make sure that only students can sign up for these events so that unwanted people do not show up to any of the organizations' events.

#### Stakeholders' Feedback:

- Do a head count for the amount of students signed up for an event
- Provide information on what events students have signed up, and provide information as to what events students are interested in
- Keep student-profiles private
- Do not include phone number as an attribute of student profiles
- Generate a list for each event viewable by the organizations only, containing information about who has signed up for their event, and what their respective email is.
- Provide information about volunteers skill sets

#### Legal Issues:

One legal issue we will have is to make sure that Re-SERVD is ADA compliant. This will address the Americans with Disabilities Act. This means that we have to make sure the website is able to be used by people with disabilities and to make sure that people with disabilities are not excluded from participating in any of the events offered on Re-SERVD.

#### Use Case Descriptions:

##### **Volunteer View Profile:**

Actor: User

Precondition: User is logged in

Trigger: The user wants to view their profile

Normal Scenario:

1. User clicks on My Profile Button
2. Their profile page is loaded

Exceptions: None

Priority: Medium

Open Issues: None

### **Volunteer Edit Profile:**

Actor: User

Precondition: User is logged in

Trigger: The user wants to edit their profile

Normal Scenario:

1. User clicks on My Profile Button
2. Their profile page is loaded
3. User clicks on Edit Profile Button
4. User edits profile information
5. User clicks Save Button
6. Their newly changed profile page is loaded

Exceptions:

- The information entered is invalid: Changes are not saved and user is still in edit mode. The information that was invalid is highlighted and a message is displayed as to why it is invalid

Priority: Medium

Open Issues:

- What constitutes invalid information?

### **View Event**

Actor: User

Precondition: User is logged in

Trigger: The user wants to view an event

Normal Scenario:

1. User clicks on an event
2. The event page is loaded

Exceptions: None

Priority: High

Open Issues: None

### **Sign Up for Event**

Actor: User

Precondition: User is logged in

Trigger: The user wants to sign up for an event

Normal Scenario:

1. User clicks on an event
2. The event page is loaded

3. User clicks on Sign Up Button
4. Confirmation message pops up stating "Confirm Sign Up"
5. User clicks Yes button
6. Thank you message is displayed
7. User is taken to a page where their upcoming events are displayed

Exceptions:

- The user says no on the confirmation screen: The event page remains loaded, the user is not signed up for the event

Priority: High

Open Issues:

- Where is the page that displays pending events (Profile or separate)

### **Favorite Event:**

Actor: User

Precondition: User is logged in

Trigger: The user wants to favorite an event

Normal Scenario:

1. User clicks on an event
2. The event page is loaded
3. User clicks on Favorite Button
4. A symbol appears next to the event

Exceptions:

- The event is already favorited: The event is unfavorited, and the symbol disappears

Priority: Low

Open Issues:

- What symbol should be used (Star, heart, other)

### **Favorite Organization:**

Actor: User

Precondition: User is logged in

Trigger: The user wants to favorite an organization and be notified when they post events

Normal Scenario:

1. User clicks on an organization
2. The organization's page is loaded
3. User clicks on Favorite Button
4. Message pops up stating that they will receive emails when this organization posts an event, and asks for confirmation

5. User clicks yes
6. A symbol appears next to the organization

Exceptions:

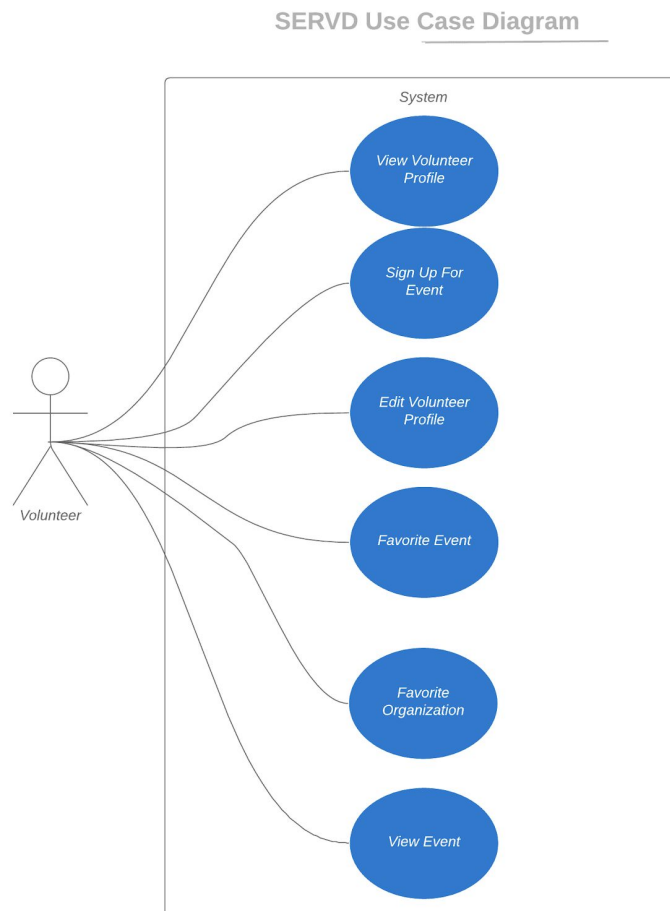
- The organization is already favorited: The organization is unfavorited, and the symbol disappears

Priority: Medium

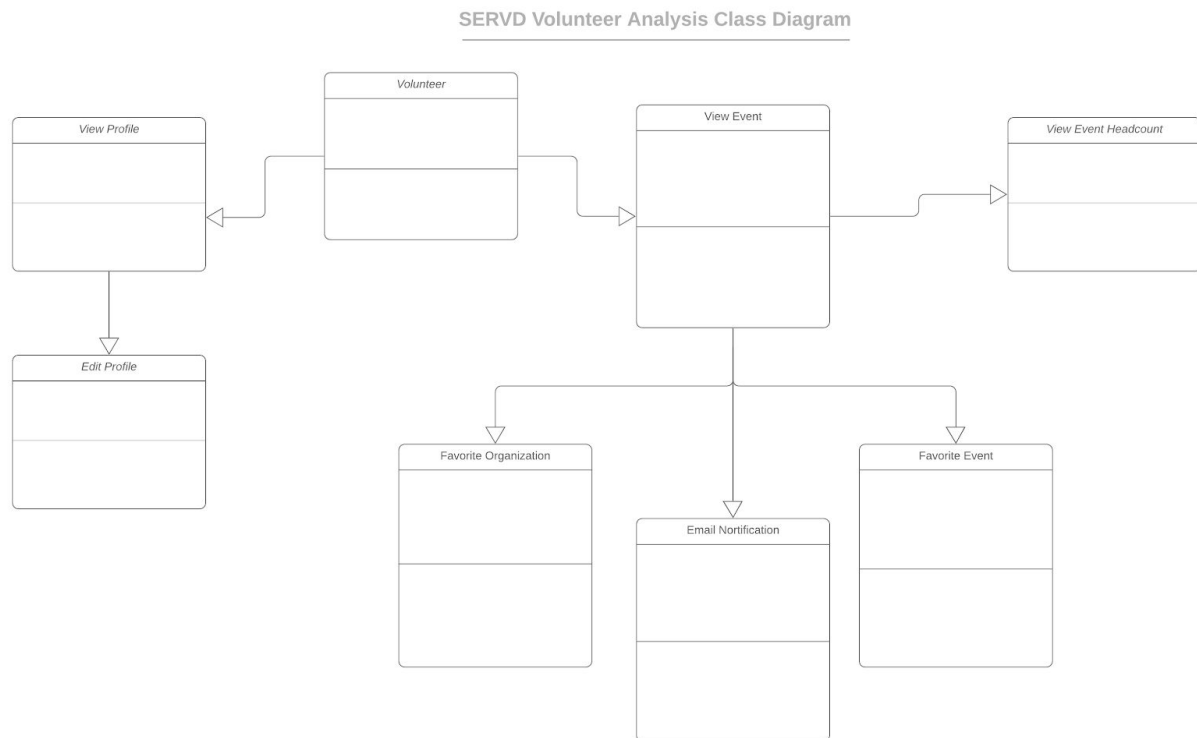
Open Issues:

- What symbol should be used (Star, heart, other)

Use Case Diagram:



### Analysis Class Diagram:



### Security:

Students will not be able to view each others' profiles. We are making the assumption that for volunteers, the TCNJ sign-in service will be used, making SERVD only accessible on the volunteers side to TCNJ students, with only valid TCNJ emails being used to log into the system. User can set their profile to private if they don't want organizations to be able to view them.

### Backup and Recovery:

We will create a recovery database of the volunteers' profiles, which will include their emails, list of past events, favorited events, and favorited organizations.