

Software Requirements Specifications University Event Organizer

Version 2.1

Whole Scope Solutions

February 28, 2017

Table of Contents

Revision History	1
1 Introduction	1
1.1 Purpose	1
1.2 Project Scope	1
1.3 Glossary of Terms.....	1
1.4 References	1
1.5 Overview	2
2 Overall Description.....	2
2.1 Product Perspective	2
2.2 Product Features.....	2
2.3 User Classes and Characteristics.....	2
2.4 Operating Environment	3
2.5 Design and Implementation Constraints	4
2.6 Assumptions and Dependencies.....	4
3 System Features.....	4
3.1 Create an Event.....	4
3.2 View Event	6
3.3 Register Club Administrator.....	6
3.4 Registering a Privileged User	8
3.5 Register User	9
3.6 Log in	10
3.7 Search Event.....	12
3.8 Approve Event.....	13
3.10 RSVP For an Event	16
3.11 Share an Event	17
3.13 Edit an Existing Event	18
3.14 Remove a Privileged User's Privileges	19
3.15 Remove a Club Administrators Privileges	20
3.16 Ban a User	21
3.17 Report an Event	22

4 External Interface Requirements	22
4.1 Hardware Interfaces	22
4.2 Software Interfaces	23
4.3 Communications Interfaces	23
5 Other Non-Functional Requirements.....	23
5.1 Performance Requirements.....	23
5.2 Safety Requirements.....	23
5.3 Security Requirements.....	24
5.4 Software Quality Attributes	24
5.4.1 Availability.....	24
5.4.2 Maintainability	24
6 Other Requirements	24
Appendix A: Analysis Models	25
A.1 Use cases.....	25
A.2 Dataflow Diagrams	39
A.3: UI Mockups	42
Appendix B: Issues List	47

Revision History

Name	Date	Reason for Changes	Version
Whole Scope Solutions	January 30, 2017	Initial drafting	RS 1.0
Teck4	February 2, 2017	Feedback on draft	RS 1.1
Whole Scope Solutions	February 22, 2017	Addition of content and images	RS 2.0
Whole Scope Solutions	February 28, 2017	Edited and revised for correctness	RS 2.1

1 Introduction

1.1 Purpose

The purpose of this document is to outline the requirements, and use cases for the University Event Organizer as specified in the RFP received from Teck4. The University Event Organizer is an application for advertising student and faculty events. The application will be initially rolled out at UVic, and later expanded to other institutions.

1.2 Project Scope

The proposed software is a web application that manages events for faculty, students, university clubs, and organizations. This software is meant to better organize and monitor school events and to make sure the activities taking place are representative of the university's culture. The application should provide students, faculty and anonymous users with access to legitimate University of Victoria hosted events.

1.3 Glossary of Terms

API – Application Program Interface

RSVP – "répondez, s'il vous plaît," or "please reply"; customarily used to indicate intention to attend an event.

UVic – University of Victoria

VPC – Virtual Private Cloud

1.4 References

- *Request for Proposal, University Event Organizer, Version 1.2.* Teck4. [Online] Available <https://wholesopesolutions.github.io/docs/teck4/rfp.pdf>.

1.5 Overview

This document contains an overarching description of the proposed Event Planner project. This includes features, user groups, the system environment, constraints, and dependencies. It outlines each feature, including a detailed description, functional and non-functional requirements, use cases, and any other details necessary for the development of the system.

2 Overall Description

2.1 Product Perspective

The University Event Organizer will be an entirely new system being built to fill a need at post secondary institutions. This system is intended to centralize and regulate event information. It is a standalone system which does not depend on any existing university systems. The system will integrate with Facebook and Google calendar, allowing users to save and share events.

2.2 Product Features

The University Event Organizer is being developed to allow student clubs, groups, and faculty to publicize events. All users will have the ability to view events as well. Anyone with an email address can create an account but only users registered with a university email address can RSVP to student-only events, and only pre-approved members of student organizations and clubs have permission to post or edit events. Administrators must be able to manage users and events. Registered users should be able to RSVP for events, which will be tracked in an exportable calendar.

2.3 User Classes and Characteristics

Users are categorized as follows:

- **Anonymous User:** Any user who is not logged in to an account. This includes students who have chosen not to set up an account and community members who may or may not be associated with a post-secondary institution. Anonymous users can view events.
- **Authenticated User:** These are users who have set up an account and logged in successfully. They may register for events, export events to external calendar applications in addition to all of the features that are available to anonymous users. In order to access and RSVP to university events the user must have a verified university email registered to their account.
- **Privileged User:** Users who have been promoted by club administrators or system administrators who have the ability to create and edit event postings. These users also inherit all of the permissions of an authenticated user. These users are also referred to as “Approved Submitter” throughout the document.
- **Club Administrator:** Designated representatives of an organization who have the ability to grant privileged user access right. They are responsible for moderating events created by their organization. These users also inherit all of the privileged user’s features.

- **System Administrator:** A super user role. System administrators can remove events, ban users, and register and deregister club administrators. They can also perform any of the actions available to other classes of user.

Most users should fall under the authenticated user class. Club administrators require the largest feature set. The following figure represents the administrative hierarchy and permissions inheritance.

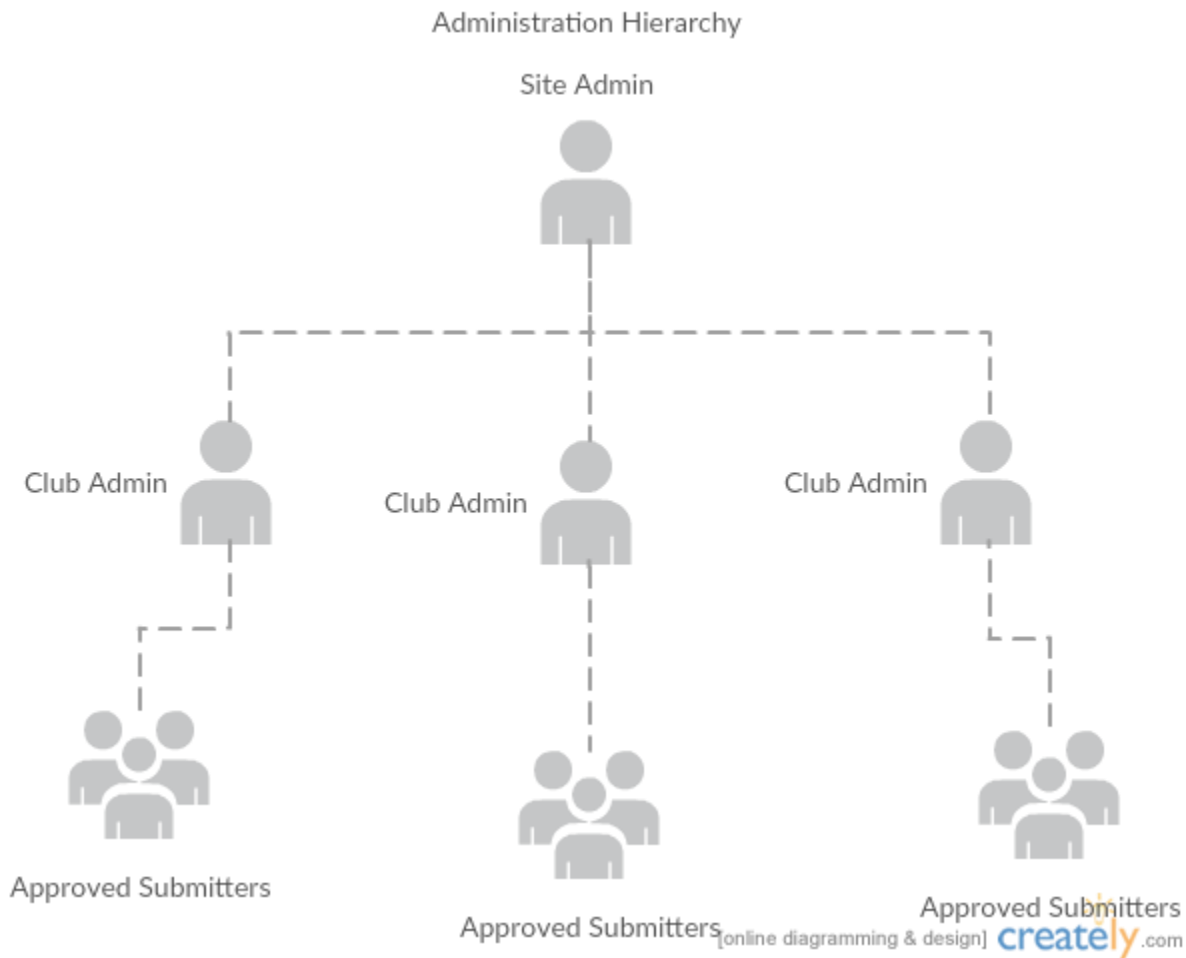


Figure 1: User Hierarchy

2.4 Operating Environment

The system will be hosted on an Amazon EC2 M4.2xlarge instance, which provides a 2.3 GHz Intel Xeon® E5-2686 v4 (Broadwell) processor, 32GB of memory and 1000 Mbps dedicated bandwidth. This hosted server will be running the latest stable version of Debian OS (v8.0) 64-bit. The EC2 instance will be hosted inside an Amazon VPC to ensure a greater level of security as well as the MySQL database which will also be hosted on a M4.2xlarge instance.

2.5 Design and Implementation Constraints

The most pressing constraint on the design and implementation of the system is information privacy and security. User data must be secure for ethical reasons in this publicly accessible application. Calendar and event exporting (to Facebook and Google) must conform to external application requirements.

2.6 Assumptions and Dependencies

The system's *View Event* page will include the following export options:

- *Facebook*
- *Google Calendar*
- *iOS Calendar*

Anonymous users do not have access to these features. The use of these external services is completely optional, and is not required for the core functionality of the application.

If the user registers with a valid university email, or adds their university at a later date, they will be registered as a university student and have access to student-specific events.

3 System Features

3.1 Create an Event

3.1.1 Description and Priority

This feature should allow Privileged users, Club administrators and Administrators to create new events and post them to the web application. Event creation is High priority and should be one of the first features implemented.

3.1.2 Stimulus/Response Sequences

Stimulus	User requests new event
Response	System returns the new event page with multiple inputs
Stimulus	User specifies event data and submits
Response	System exits to the main page, event is created

3.1.3 Functional Requirements

[R.3.1.1] If an event was created by a privileged user, it must be sent to the appropriate club administrator or the system administrator for approval. Events created by a club administrator or system administrator are automatically approved.

[R.3.1.2]: Any new event without the required information will not be created, if a user attempts to create an event without the required parameters the system will respond with a request for the user to submit the missing parameters.

[R.3.1.3]: In the event that a user tries to input more than 5 images into a single event the system will respond with a prompt that that cannot add more than 5 images to an event and return the user to the new event page.

[R.3.1.4]: The user should have the ability to mark the event as an 18+ event.

[R.3.1.5]: Should allow users to create a new event for the system.

3.1.4 Rationale

Clients wants student and club organizations to be able to advertise their events.

3.1.5 Test Scenario

Have a privileged user log into the system. Go to the create event page of the site. Enter the information provided to create an event. Create the event. Have an administrator account ensure the event is trapped for approval. Approve the event. Navigate to the view events portion of the site and ensure that the event posting is there.

Repeat the above steps for a club administrator and a system administrator.

3.1.5 Sequence Diagram

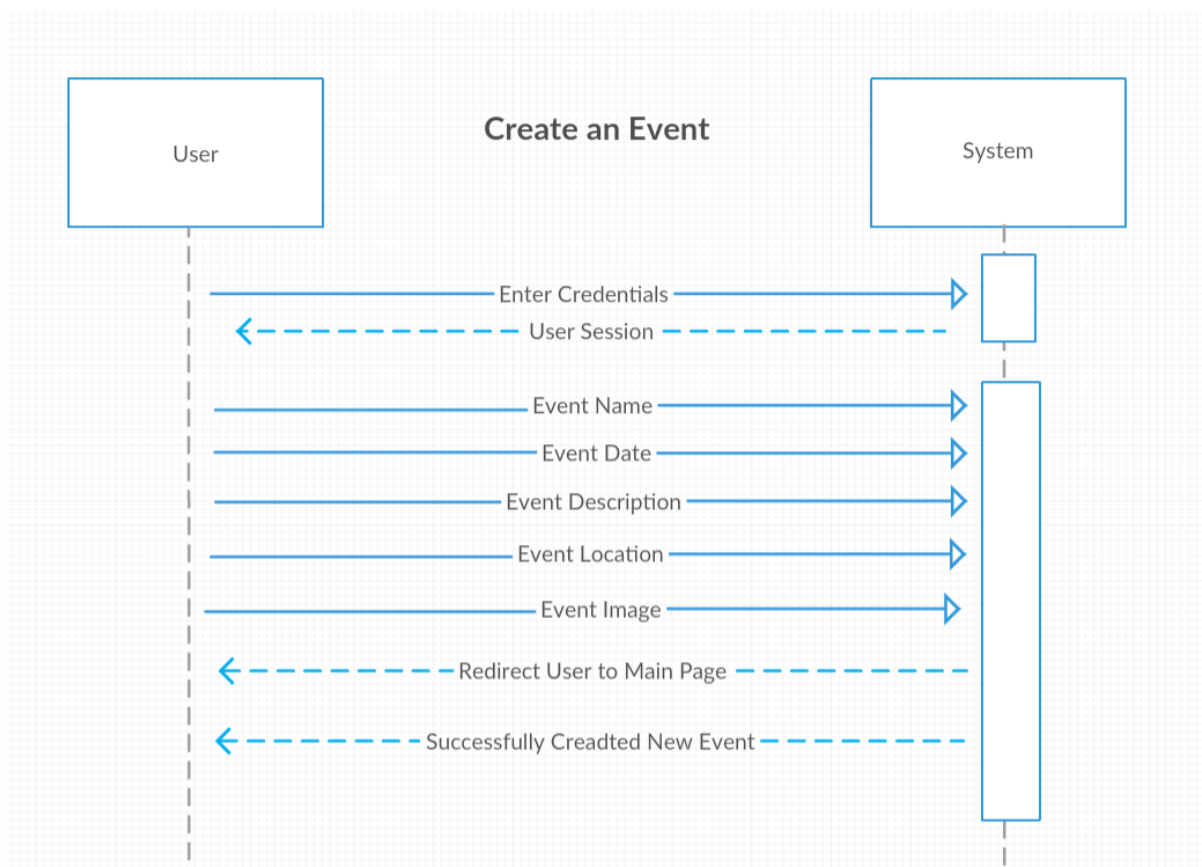


Figure 2: Sequence diagram for Create an Event

3.2 View Event

3.2.1 Description and Priority

This feature should allow any user of the system to view an event, this function can be accessed from searching or the user's existing schedule. This feature is high priority because it is used to access many other features including the RSVP feature, the reporting events, and editing an event.

3.2.2 Stimulus/Response Sequences

Stimulus	User requests to view an event
Response	System displays the event

3.2.3 Functional Requirements

[R.3.2.1]: A user can view an event

[R.3.2.2]: Each event should track and display how many times it has been viewed

[R.3.2.3]: Allows user to access other functionality, such as RSVP, reporting and editing for owned events

3.2.4 Rationale

Clients want students to be able to access information on events created by student and club organizations.

3.2.5 Test Scenario

See create event test scenario.

3.3 Register Club Administrator

3.3.1 Description and Priority

This feature will allow System Administrator users to appoint club administrators. This feature is high priority, due to its required implementation for the system to work, as club administrators are required to create events which users register for. The current user must be an administrator for this action and the selected user must have an account in the system.

3.3.2 Stimulus/Response Sequences

Stimulus	Administrator requests a user profile
Response	System displays user profile
Stimulus	Administrator requests to upgrade user account
Response	System upgrades said user to Club Administrator

3.3.3 Functional Requirements

[R.3.3.1]: Once a user is registered as a club administrator, they should receive an email notifying them of their new privileges. This should only occur once.

[R.3.3.2]: Allows a System administrator to register another user as a club administrator

3.3.4 Rationale

Clients want System Administrators to have the ability to appoint Club Administrators with the ability to control events and users within their domain.

3.3.5 Test Scenario

A System Administrator will log into the system and navigate to the administration page. Once there, they can filter through the existing users of the system. They select the user they want to promote and should be able to promote them to a higher tier of access. If they are already a privileged user, they can be promoted right away to Club administrator. If they are a regular user they should be promoted to a privileged user status first. The administrator may then assign the user to a club or other organization.

After this has been done the newly promoted user should have access to systems and features associated with Club Administrator status.

3.3.6 Sequence Diagram

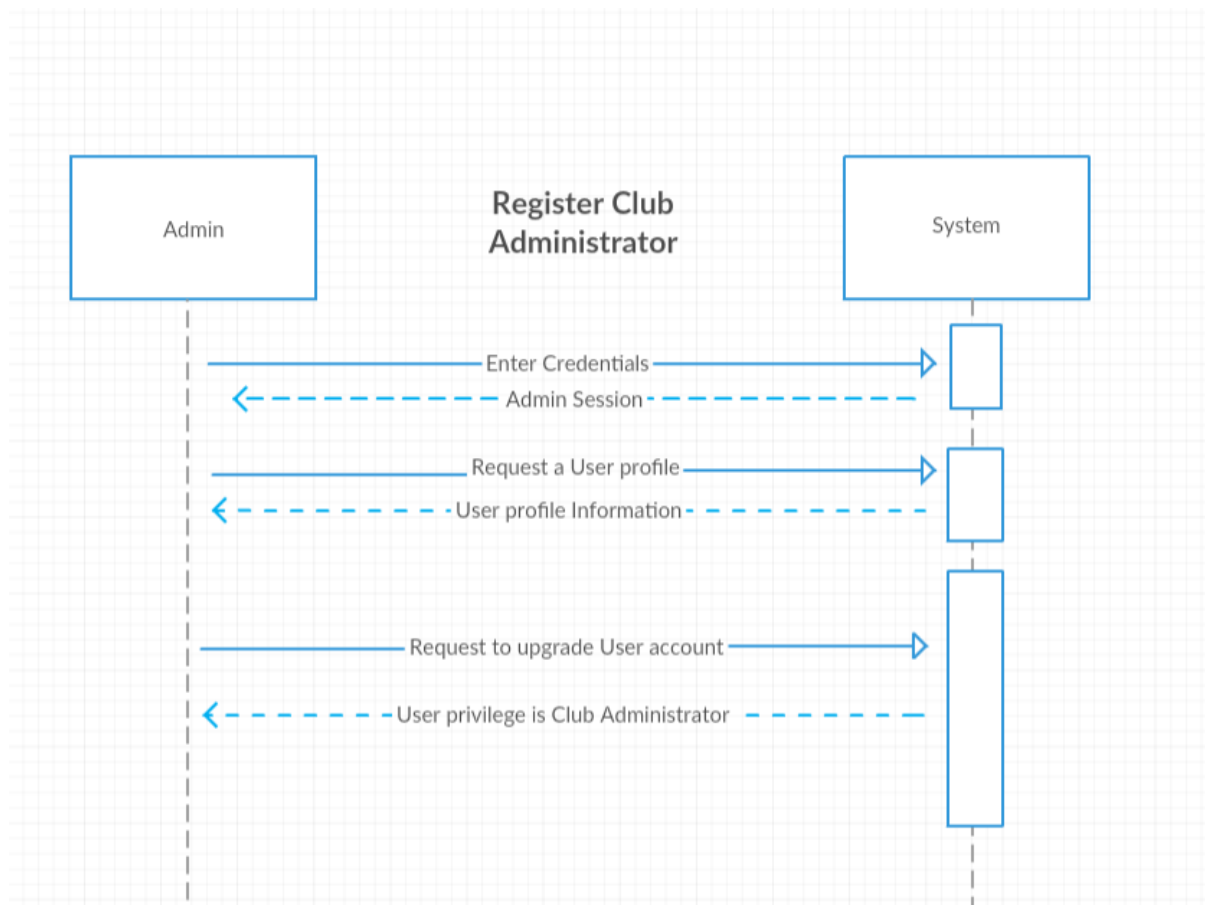


Figure 3: Sequence diagram for Register Club Administrator

3.4 Registering a Privileged User

3.4.1 Description and Priority

This feature will allow a club administrator or the system administrator to upgrade a normal user account to a privileged user. To do this the user must already have an account with the system. This is considered a high priority feature as it is required for non-admin users to post events. The administrator must be logged in and have club administrator status or better to register a privileged user. The user to be promoted must have an existing registered account with a UVic or other university email.

3.4.2 Stimulus/Response Sequences

Stimulus	The administrator requests to view the user profile
Response	The system displays the requested user profile
Stimulus	The administrator requests to grant privileged status
Response	The system upgrades the user to privileged status

3.4.3 Functional Requirements

[R.3.4.1]: After the user has been given the privileged user permissions, they should be sent an email notifying them of their new permissions.

[R.3.4.2]: Logged in user can promote a user to a privileged user status.

3.4.4 Sequence Diagram

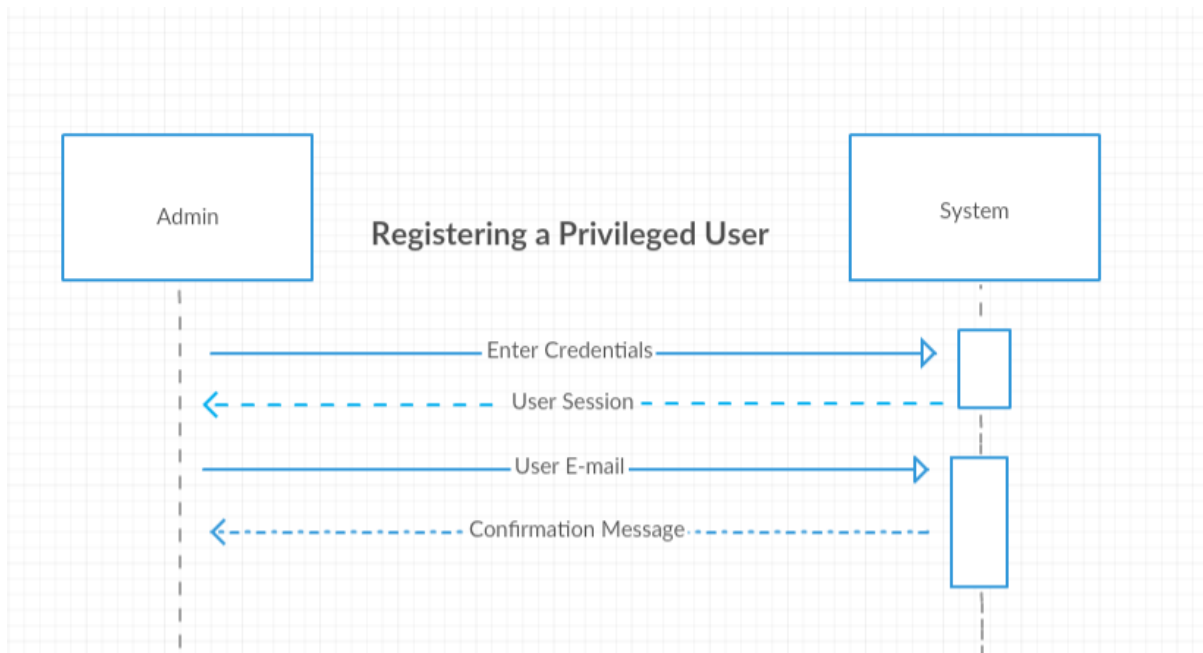


Figure 4: Sequence diagram for Register Privileged User

3.4.4 Rationale

Clients want System Administrators or Club Administrators to have the ability to appoint Privileged Users with the ability to control events in their domain.

3.4.5 Test Scenario

Have a System Administrator log into the system, they should navigate to the administration page where they can filter through the existing users of the system. There if they select the user they want to promote they should have the ability to promote them to a higher tier of access, if they are a regular user they can be promoted to a privileged user. Before they promote the user they must choose what domain that user belongs to.

After this has been done the newly promoted user should have access to systems and features associated with Privileged User status.

This test scenario was performed with System Administrators, Club administrators also have the ability to promote users to privileged status, however they can only choose the domain(s) that they belong to when promoting the user.

3.5 Register User

3.5.1 Description and Priority

This feature allows any person without an account to create a new account to log in with. This action is of high priority because no authenticated users can exist without it.

3.5.2 Stimulus/Response Sequences

Stimulus	The anonymous user requests registration
Response	The system responds with the appropriate registration form
Stimulus	User inputs registration details and submits the form
Response	System validates information, creates user, and sends verification email
Stimulus	User visits email verification page
Response	System enables account to allow login, and redirects user to login page

3.5.3 Functional Requirements

[R.3.5.1] System must read user information from the database to avoid creating duplicate users.

[R.3.5.2] System must write user information to the database to create and enable users.

[R.3.5.3] System must sanitize and validate user data entered into registration form.

[R.3.5.4] Anonymous users can register in the system as a user

[R.3.5.5] Users can register as a university student by providing their student email address

3.5.4 Rationale

Clients want the system to be able to create new users.

3.5.5 Test Scenario

An anonymous user should navigate to the main page and select login, from there they should be able to navigate to the registration page. There they should enter their information including required details: date of birth, name, main email and password. They should be able to enter their student email (this option should be available any time a user isn't registered with a student email). A verification email will be sent to their main email, and optionally to their student email. If a user verifies their main email, they should have a new account with regular user access but no access to student only posts. If they optionally also verify their student email they should have the ability to view student events. Main emails in the system should be unique, and passwords must have capital letters, unique characters and be at least 8 characters long.

After this process is finished the new user should have access to all of the features available to a registered user.

3.3.6 Sequence Diagram

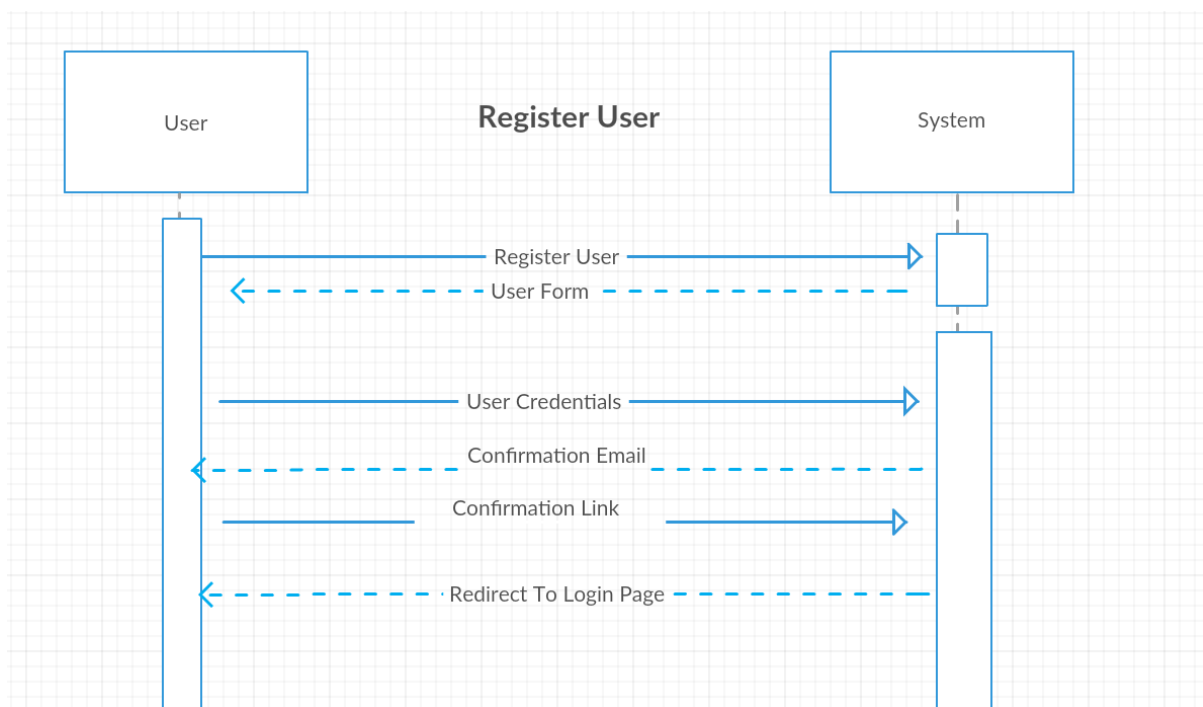


Figure 5: Sequence diagram for Register User

3.6 Log in

3.6.1 Description and Priority

This feature allows anyone with an account to access the system as a user. This action is of high priority since no user can access their special features without it.

3.6.2 Stimulus/Response Sequences

Stimulus The anonymous user requests to log in
Response The system responds with the appropriate form

Stimulus User inputs login details and submits the form
Response System redirects to main page with additional features for logged in user

3.6.3 Functional Requirements

[R.3.4.1] System must import user information from the database

[R.3.4.2] Session must be created to log the current user into the system allowing them access to more features

3.6.4 Sequence Diagram

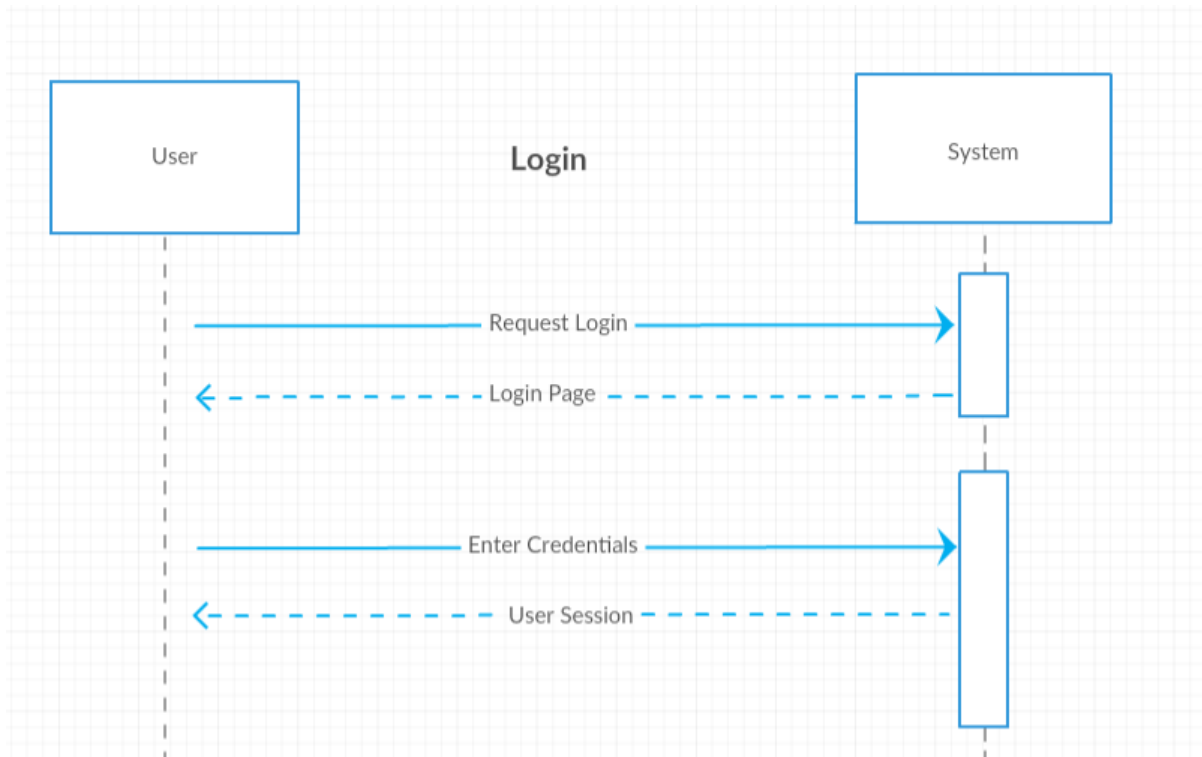


Figure 6: Sequence diagram for Log In

3.6.4 Rationale

Users need to be able to access their accounts, which allow the system to identify their user class.

3.6.5 Test Scenario

Any verified registered users should navigate to the main page, then to the login page and enter their unique account email address and passwords. Then they select login and if they entered the correct credentials, their user session should be created and they will now have access to the system features associated with their access level.

3.7 Search Event

3.7.1 Description and Priority

This system feature enables all users to search for school events that are stored on the System's database. The user could provide keywords for different search fields as desired for different search results. The system will return events that matches all of the keywords provided by the user. This feature is to be considered *High* priority, since searching for an event is one of the main methods for users to find events in the system.

3.7.2 Stimulus/Response Sequences

Stimulus User request to search for events

Response The system displays resulting events

All users should be able to search for events. If the user does not provide any search parameters, the system will display all of the available events. If a keyword was given by the user, the system will only display the events that match the given keywords. If the user chooses to search by category, the system will return all events in the given category. The user may also filter out by category. Filtered out categories will not appear. Only privileged users are allowed to search for restricted events.

3.7.3 Functional Requirements

[R3.6.1] The Search Event screen shall allow the users to search events by using keywords such as name, category, date.

[R3.7.2] The Search Event screen shall display the events that the users has searched for.

[R3.7.3] The Search Event screen shall allow users to select an event for viewing.

[R3.7.4] The Search Event should allow users to search by event tags

[R3.7.5] The Search Event should allow users to search by event categories

3.7.4 Rationale

Clients want the system to be able to filter the events by relevant search criteria.

3.7.5 Test Scenario

An anonymous user should navigate to the listings page where they can enter a string to search by tags, or access the filters for a more advanced search. In the filtering system the user should be able to search for events within a specific period of time. They should also be able to select categories they want to search within, as well as if filter for age restriction or students only.

After filters have been set the user should be able to press the search icon and populate their calendar or tiled list with matching events.

3.7.6 Sequence Diagram

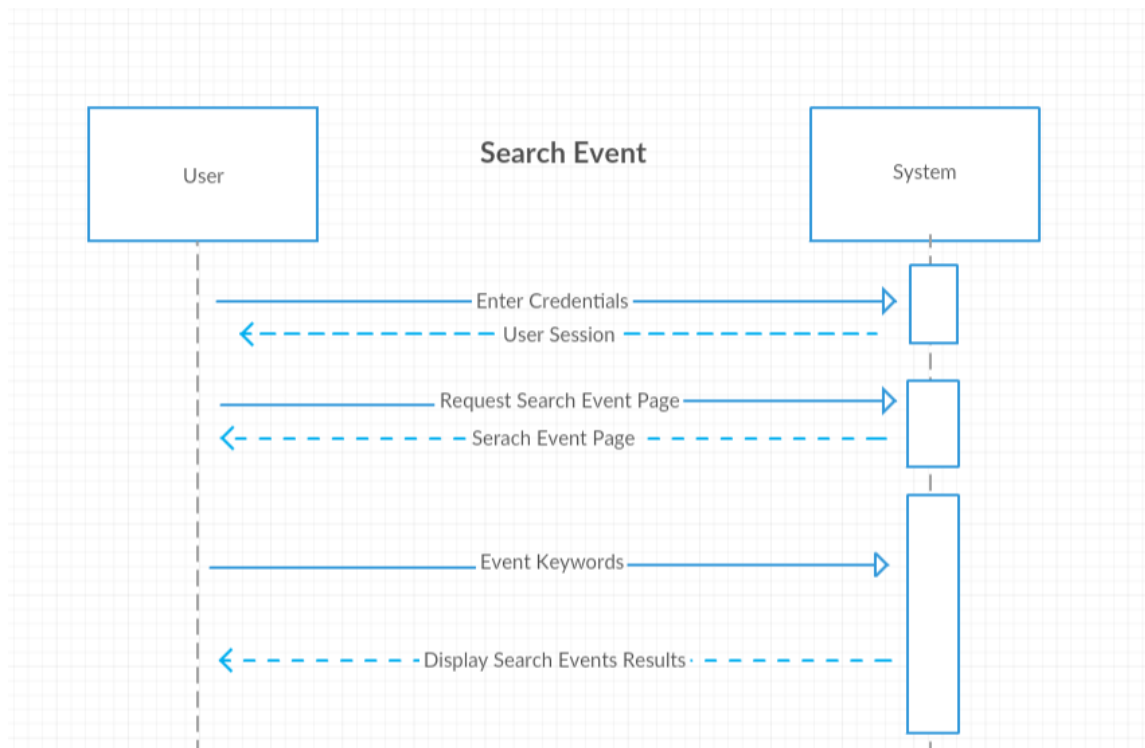


Figure 7: Sequence diagram for Search Event

3.8 Approve Event

3.8.1 Description and Priority

This feature provides the ability for system and club administrators to approve pending events proposed by privileged users. This feature is to be considered *High* priority.

3.8.2 Stimulus/Response Sequences

Once the administrator has navigated to the appropriate view of pending approvals:

Stimulus	System or Club administrator approves event
Response	User is notified of events approval status change

3.8.3 Functional Requirements

[R3.8.1] : When an event is approved, the event information needs to be made publicly available and searchable.

[R3.8.2]: Event acted upon is marked as approved in the database.

[R 3.8.3]: Event can no longer be reported unless it is edited again.

3.8.4 Rationale

Clients want a review process for events created in order to lower the chances of inappropriate events of becoming viewable to the general public.

3.8.5 Test Scenario

System Administrator logs in, then proceeds to the pending events page. The administrator reviews and approves the event. Then any user can search for and view the event.

If the above is completed as a Club Administrator, then user can only see events created by privileged users assigned to their organisation.

3.8.6 Sequence Diagram

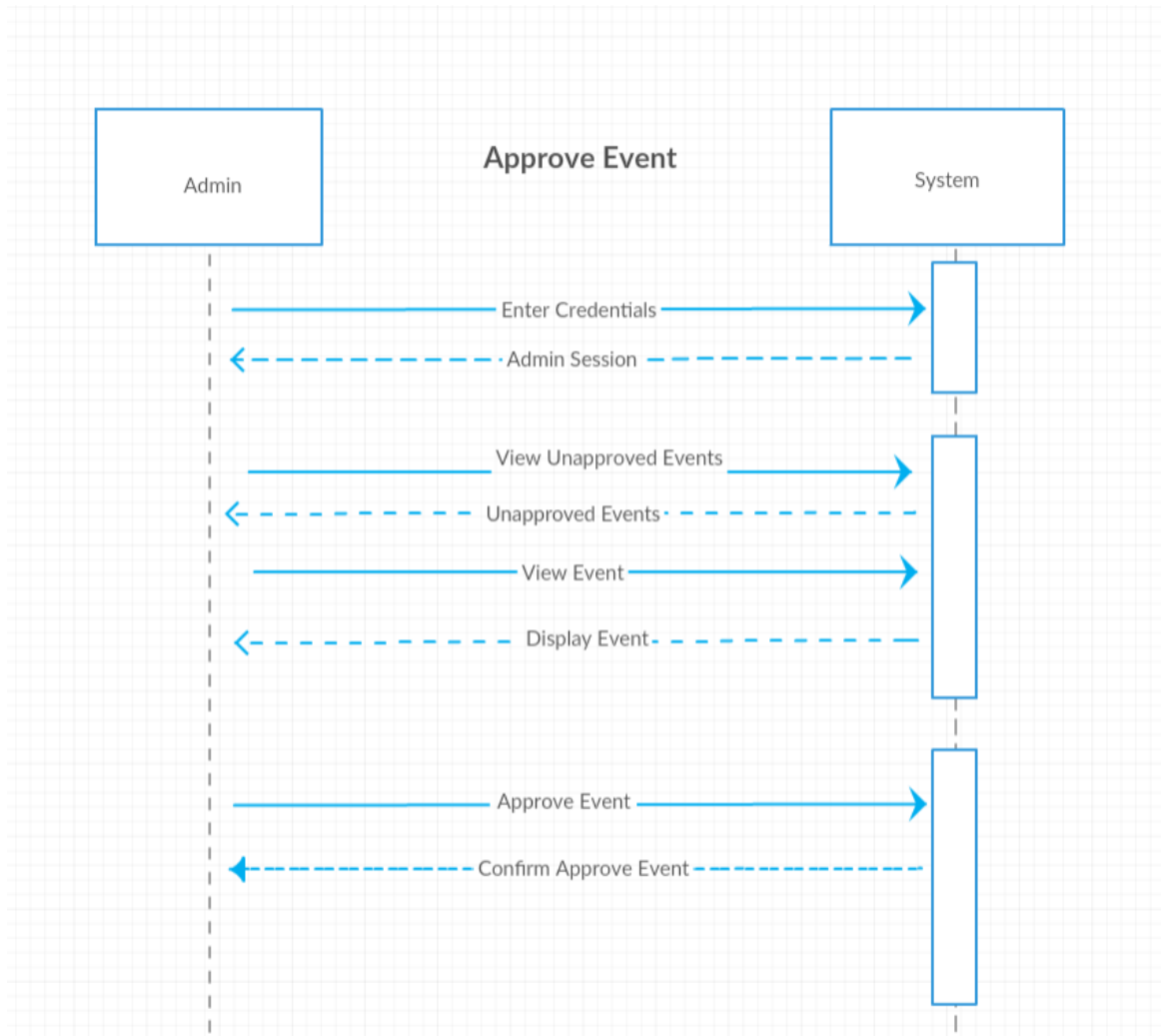


Figure 8: Sequence diagram for Approve Event

3.9 Remove an Event

3.9.1 Description and Priority

This feature provides the system administrator the ability to remove posted events, or the club administrator for their club events only. This feature is to be considered *High* priority.

3.9.2 Stimulus/Response Sequences

When viewing desired event to be removed:

Stimulus	System or club administrator selects to remove event
Response	System prompts for confirmation of removal
Stimulus	System or club administrator confirms the removal of the event
Response	System dismisses prompt and redirects user to landing page

3.9.3 Functional Requirements

[R3.9.1]: When an event is removed, the event information needs to be made not publicly available and not searchable.

[R3.9.2]: Club administrators may only remove events that are registered under their club

[R3.9.3]: Event information must be hidden from general consumption

[R3.9.4]: Removed event must remain in database for six months after they are flagged as removed

3.9.4 Rationale

Administrators and event creators want to be able to remove events to due to circumstances such as event being cancelled or frequent user reports.

3.9.5 Test Scenario

System Administrator logs in, proceeding to the view events page for the event to be removed. The system administrator then clicks the button to remove the event and confirms the removal of the event. Any user can no longer view or search the event, unless searching under removed events.

If the above is completed as a Club Administrator, then the remove events button is only available on events created by privileged users under one of their current organizations.

3.9.6 Sequence Diagram

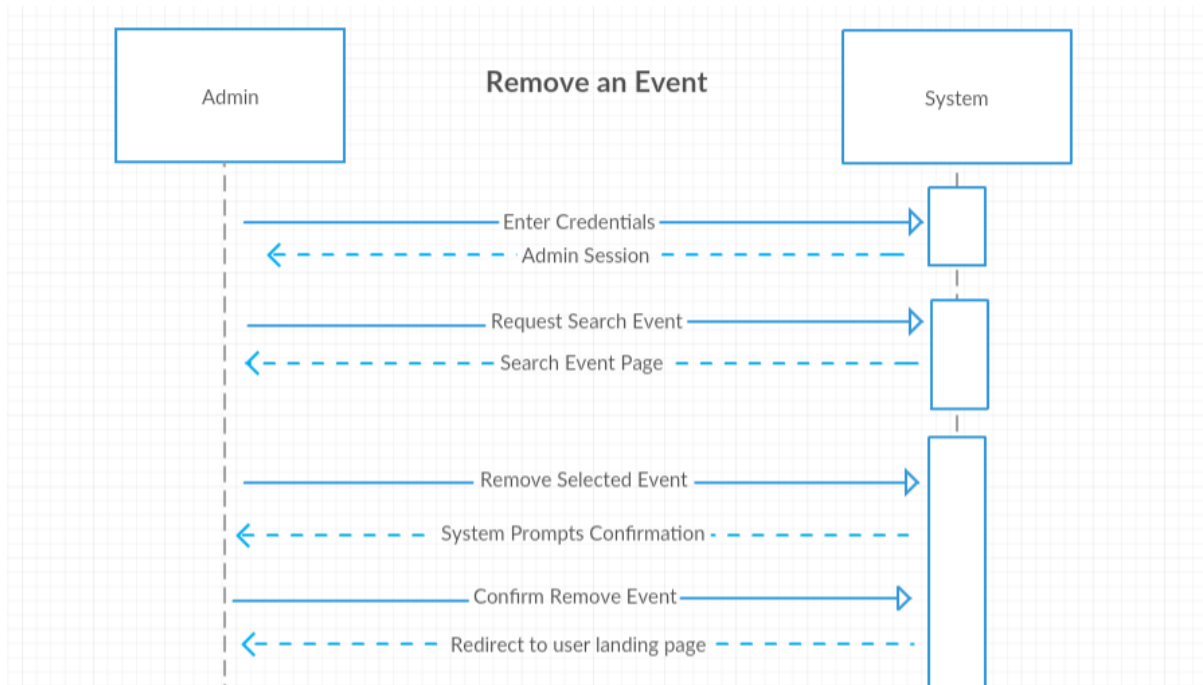


Figure 9: Sequence diagram for Remove an Event

3.10 RSVP For an Event

3.10.1 Description and Priority

This system feature allows registered users to register for posted events. This action will add the event information to that user's application calendar information which will be available for export in other features. This feature will update the information regarding the attendance quantity. This feature is *medium* priority.

3.10.2 Stimulus/Response Sequences

Stimulus User selects an event to register for

Response User is notified of successful (or failed) registration

3.10.3 Functional Requirements

[R3.10.1]: When a student RSVPs for an event, this information needs to be saved to the event so that other users can see how many people are planning to attend an event.

[R3.10.2]: Adds event to users calendar

[R3.11.3]: Increases the user amount that are RSVPing to the event in the database

3.10.4 Rationale

Clients want the system to be able to report users that are attending an event.

3.10.5 Test Scenario

A registered user should login to the system, navigate to the events listing and select an event. They should then be able to view the events details and optionally RSVP. When the user selects RSVP they should be notified that they've successfully registered for that event and get notification emails about the event a day before the event occurs.

3.11 Share an Event

3.11.1 Description and Priority

This system feature allows any logged in user to share a posted event through Facebook. This feature is to be considered *Medium* priority.

3.11.2 Stimulus/Response Sequences

When a user is viewing an event:

Stimulus	User selects to share an event
Response	A Facebook prompt is displayed where they can share the event
Stimulus	User shares event
Response	Event is shared through Facebook and regular system resumes

3.11.3 Functional Requirements

[R3.11.1]: Sharing the event to Facebook does not affect any existing data in the database.

[R3.11.2]: Event is shared to Facebook

3.11.4 Rationale

Clients want the system to be able to share an event to Facebook.

3.11.5 Test Scenario

See 3.10.5 test scenario for RSVP.

If the user is registered for an event they should have the option to export that event to facebook while viewing it. The user should enter their Facebook credentials after selecting the option of they aren't already logged into Facebook. The Facebook integration system will ask for confirmation, and allow the user to share the event to their timeline.

3.12 Export an Event to Calendar

3.12.1 Description and Priority

This system feature allows any logged in user to export their calendar of events they have registered for to their Google Calendar or IOS calendar. This feature is to be considered *Medium* priority.

3.12.2 Stimulus/Response Sequences

From the user's calendar page:

Stimulus	User selects to export their calendar
Response	A Google prompt is displayed for exporting options
Stimulus	User finalizes export
Response	Google prompt is dismissed

3.12.3 Functional Requirements

[R3.12.1]: Exporting the calendar does not affect any existing data in the database.

[R3.12.2]: Calendar is exported to IOS or Google calendar

3.10.4 Rationale

Clients want the system to be able to export an event to the native IOS calendar, or google calendar.

3.10.5 Test Scenario

See 3.10.5 test scenario for RSVP.

Google:

If the user is registered for an event they should have the option to export that event to a calendar while viewing it, and select google calendar. The user should enter their Google credentials into the Google authentication pop-up. The event should then be incorporated into their Google Calendar.

iOS:

If the user is registered for an event they should have the option to export the event to a calendar, and select iOS application. The user should be able to export the event straight to their iOS calendar if they are on their apple device. If they aren't on their apple device they should enter their credentials into the window that appears before the action will complete.

3.13 Edit an Existing Event

3.13.1 Description and Priority

This feature allows system administrators, club administrators and privileged users to edit information of events. The events a user may edit varies on the user's level:

- System administrators may edit any event in the system.
- Club administrators may edit any event that is registered under their domain, such as created by them, or their derived privileged users.
- Privileged users may only edit events they created.

This feature is to be considered *Medium* priority.

3.13.2 Stimulus/Response Sequences

Stimulus	User selects to edit an event they have the ability to edit
Response	System takes user to the event edit view
Stimulus	User modifies desired information and saves changes
Response	System saves changes and redirects user to normal viewing of event

3.13.3 Functional Requirements

[R3.13.1]: The event information is updated in the database and displayed correctly on normal viewing of the same event.

[R3.13.2]: If the event has been previously approved, the edited event does not need to be approved again

[R3.13.3]: Event data is modified

3.13.4 Rationale

Event creators want to edit information on an event if mistakes are made in the description, or if postponing the event is necessary due to unforeseen circumstances.

3.13.5 Test Scenario

System Administrator logs in. The system administrator proceeds to the view events page for the event to be edited. The system administrator clicks the button to edit the event. The event is edited. The edit is confirmed. The system administrator account is logged out. A normal account is logged in and the event edit is verified.

Complete the above for a club administrator as well with the following step:

Club administrator ensures that the edit events button is only available on events created by their privileged users.

Complete the above for a privileged user as well with the following step:

Privileged user ensures that the edit events button is only available on events created by them.

3.14 Remove a Privileged User's Privileges

3.14.1 Description and Priority

This feature allows a system or club administrator to remove a privileged user's privileges from the system. A system administrator may revoke club administrators and privileged user's privileges. A club administrator may only remove privileges from privileged users in which they initially granted. This feature is *medium* priority.

3.14.2 Stimulus/Response Sequences

From the user management module:

Stimulus	The administrator selects to revoke a user's privileges
Response	The system prompts for confirmation of the revocation.
Stimulus	The administrator confirms to revoke a user's privileges.
Response	The system dismisses the prompt.

3.14.3 Functional Requirements

[R3.14.1] The revoked privileged user's information in the database is updated to reflect new user status.

[R3.14.2] The user's privileges are revoked and now are the same as a regular user.

3.14.4 Rationale

Club administrators would like the ability to remove privileges from users who are no longer a part of their club.

3.14.5 Test Scenario

The Club Administrator logs in, then navigates to their registered users page. They then choose a user from the list and click button to revoke their privileges. The user then confirms the removal. The user associated with that account should then log in and confirm they no longer have privileged user status.

3.15 Remove a Club Administrators Privileges

3.15.1 Description and Priority

This feature allows a system or club administrator to remove a privileged users privileges from the system. A system administrator may revoke club administrators and privileged user's privileges. A club administrator may only remove privileges from privileged users in which they initially granted. This feature is *medium* priority.

3.15.2 Stimulus/Response Sequences

From the user management module:

Stimulus	The administrator selects to revoke a user's privileges
Response	The system prompts for confirmation of the revocation.
Stimulus	The administrator confirms.
Response	The system dismisses the prompt.

3.15.3 Functional Requirements

[R3.15.1] The revoked privileged user's information in the database is updated to reflect new user status.

[R3.15.2] The Club Administrator now only has a regular user's permissions.

3.15.4 Rationale

Club administrators will want the ability to change who is in charge of the club as students graduate and move on.

3.15.5 Test Scenario

System administrator should log in and navigate to the registered club administrators page. They may then choose a club administrator from the list of users and click the “demote” button to revoke their privileges and then select an account type. After confirming the removal, the affected user should then log in to confirm its new access type.

3.16 Ban a User

3.16.1 Description and Priority

This feature allows the system administrator to ban a user from the service for various reasons. This feature is *low* priority.

3.16.2 Stimulus/Response Sequences

Stimulus	System administrator enters the user email or user name of the account to be banned.
Response	The system prompts for confirmation of the user ban.
Stimulus	The System Administrator confirms the ban.
Response	The system bans the user and displays a confirmation or failure message.

3.16.3 Functional Requirements

[R3.16.1] The user being banned must be flagged as banned in the database

[R3.16.2] Users that are banned can no longer report events

[R3.16.3] Users can use the system as normal

[R3.16.4] The chosen user is flagged as banned from system

[R3.16.5] The Administrator can search for problem users using email or username

3.16.4 Rationale

System administrators can prevent problem users from repeatedly banning events by “banning” users.

3.16.5 Test Scenario

System administrator logs in, navigates to the administration page and browses the listing of users. They can select a user and view more detailed listings about their activities on the site. They may then choose to promote or ban the user. If they choose to ban the user, that user can no longer report events.

3.17 Report an Event

3.17.1 Description and Priority

This system feature any user with a valid account with the system to report events that they deem inappropriate in nature. This is a low priority feature as much of the system can function without this feature implemented.

3.17.2 Stimulus/Response Sequences

Stimulus	User selects report event on a currently selected event
Response	System responds with an input form
Stimulus	User writes concerns about the event and submits the form
Response	System closes the form with an appropriate message

3.17.3 Functional Requirements

[R3.17.1]: Once an event is reported, the system marks the event in the database as flagged, and logs the user message.

[R3.17.2]: The event, is added to the club administrators queue along with the user messages if there was more than one report made.

[R3.17.3]: The event is reported in the system

[R3.17.4]: Approved events cannot be reported, unless they've been edited

3.17.4 Rationale

System and Club administrators want to be notified if an event that is inappropriate has been posted and needs removal.

3.17.5 Test Scenario

An authenticated user logs in; navigates to an event and views it. The user may click the button to report the event and fill in the message box with concerns about the event. A Club administrator should log in, navigate to their main page, confirm the event has been reported, and that the message has been passed correctly.

The instructions above may be completed for a system administrator as well.

4 External Interface Requirements

4.1 Hardware Interfaces

The application must be web responsive and compatible with mobile and desktop devices. Any device running this software must have a compatible web browser installed. Keyboard, touch and mouse input must be captured for this application to function properly.

4.2 Software Interfaces

The application uses a MySQL database of version 14.14 for the storage of user data, event statistics and events. This software should run well on versions Windows XP and OS X 10.8 Mountain Lion or greater. Software should also run well on current Unix distributions produced after 2004. Web application should utilise API keys for Google and Facebook for calendar exporting and event sharing. Calendar exporting should utilise a call to a google calendar API to export the users schedule or event listing to their google account. Calendar exporting should also accommodate the native IOS Calendar application. Event sharing should use Facebook's API to share a selected event to a user's friends their Facebook account. Event title, descriptions, date, time, and location should be shared when the event sharing functionality is called. For the calendar update function, title, description, date, and time should be shared to the Google calendar. Tools for development will include any web browser with adequate inspection tools, sublime text, and Visual Studio Professional Edition 2015. The application needs to be compatible with modern web browsers such as Google Chrome, Firefox, Opera, and Internet Explorer, as well as any other browser compatible with HTML 5.

4.3 Communications Interfaces

Each user account must register with a valid email account for notifications and can be or include a student email for student verification. The software uses TCP connections with HTTP responses for network server communications. This application will use Google and Facebook connections to share event information.

5 Other Non-Functional Requirements

5.1 Performance Requirements

The application needs to be web responsive, and function on any modern Android or iOS mobile device with browser support. The application must use an SQL database to store user and event information. Downtime will be limited to 10 PM to 9 AM pacific time, with outages limited to 2% of the uptime of the system. Downtime cannot exceed 8 hours at any one given day. User data must be encrypted and stored on a secure server. In the case of RSVPing to an event, only the amount of users that have RSVP'd should be viewable to Club and System administrators. Users personal schedules will not be stored by the system, but a user's scheduled events should be encrypted and saved to their profile for the export and sharing functionality. The users are expected to get responses within the time of from 50ms to 200ms during the frequent use hours. Before the system can be deployed, the system must go through a series of unit tests to identify and eliminate errors that could occur on the system. Errors can include data loss, UI bugs, and incorrect functionality implementation.

5.2 Safety Requirements

The system must allow a user with privileged or higher status to create events. [R.3.1.1] Events will be approved by administrators, but this does not eliminate the possibility of an inappropriate event being posted and seen by users. To combat this issue registered users will be permitted to report

inappropriate events. Administrators will be notified of reported events by email. Only administrators will have the power to remove any event as defined in the *Remove an Event* System Feature.

Users who post inappropriate events shall be tracked. To avoid registered users from reporting legitimate events the system will associate reports with their respective user account. Administrators shall be able to issue a warning to a user and should have the ability to demote or ban a user. Demoting and banning users are described in *Ban User*, *Remove a Privileged User's Privileges* and *Remove a Club Administrators Privileges* system features.

5.3 Security Requirements

To create an account a user needs a valid email address. Only the required user information will be stored to increase user privacy. Only administrators can view a user's account information. User information includes age, event creation history, event reporting history, and RSVP'd events.

The servers will be physically secured by Amazon as the system is running on AWS. Data must be encrypted at rest, and communication between the client interfaces and central servers must be encrypted. Internal audits will be conducted quarterly to ensure continued commitment to security guidelines.

5.4 Software Quality Attributes

5.4.1 Availability

Description: The amount of time the system is up and running correctly

Metric: The percentage of time the system is up in a year

Goal: The system should be available for at least 95% of the time in a year

5.4.2 Maintainability

Description: Issues should be able to be fixed and new functionalities should be able to be added to the system without the system going down.

Metric: Number of changes made directly to a production system without proper staging.

Goal: No changes should be made directly to a production system without proper staging.

6 Other Requirements

No other requirements.

Appendix A: Analysis Models

A.1 Use cases

Use Case Name

Make new event

Description

In which a Privileged User, Club Administrator or an Administrator uses the web application to create a new event.

Actors

Privileged User, Club Administrator or Administrator

Pre-Conditions

Users must have an account with privileged access or greater, know event location, date, time, categories, description, event tags and age restriction.

Main flow

1. User opens the web application
2. **<User Authentication>** User logs in with a Privileged user account
3. System redirects back to main application with user information
4. User selects option to create and event
5. **<User input>** System displays new event page with several form options
6. User inputs Date(s) of event
7. User specifies event location (address, room number etc)
8. Adds time(s) the event is being run
9. User adds a description of the event
10. User inputs the permitted age for the event (18+)
11. User adds some relevant event categories
12. Actor includes some event tags
13. Actor selects add an image
14. **<import image>** System prompts for an image file
15. User chooses an image to upload
16. **<load file>** System includes the image in the post
17. User choses to allow RSVP to the event specifies target email
18. User submits the form
19. System returns user to main application
20. User sees that the event has been created successfully with correct information

Post-Conditions

Post shows an rsvp option to signed in users. Only users 18+ can RSVP to 18+ events.

Alternative flows

- A. At <User Authentication>, if the user entered incorrect login details
 - a. The system displays a message saying “the username/password was not correct please try again”Return to <User Authentication>
 - B. At <User Input>, if the user neglects to include one or more of the steps 5-9 and submits the form
 - a. The system displays a message saying “you are missing some fields” and specifying what fields were missed and does not leave the page
 - C. At <User Input>, if the user neglects to include one or more steps 10-16 and submits the form
 - a. The system submits the post as is with the specified information
 - D. At <load file>, if the user chooses to add another image
 - a. Loop back to step 13
 - b. When file is loaded system allows user to choose a preferred image
 - E. At <load file>, user chooses to add an image when they already have 5 added
 - a. System displays a message “cannot add more than 5 images to an event”
 - b. System returns to new event form
-

Use Case Name

Edit an existing event

Description

In which a Privileged User, Club Administrator or an Administrator uses the web application to edit an existing event.

Actors

Privileged User, Club Administrator or System Administrator

Pre-Conditions

Users must have an account with privileged access or greater and have ownership rights over the event.

Main flow

1. User opens the web application
2. **<User Authentication>** User logs in with a Privileged user account
3. System redirects back to main application with user information
4. User selects option to edit an event
5. **<User input>** System displays event page with several form options
6. User edits intended information fields
7. User saves information
8. System returns user to main application
9. User sees that the event has been created edited with correct information

Post-Conditions

Post shows an rsvp option to signed in users. Only users 18+ can RSVP to 18+ events.

Privileged users can only edit events from one of their associated clubs.

Alternative flows

- A. At <User Authentication>, if the user entered incorrect login details
 - a. The system displays a message saying “the username/password was not correct please try again”
 - b. Return to <User Authentication>
 - B. At <User Input>, if the user clears a required field
 - a. The system displays a message saying “you are missing some fields” and specifying what fields were missed and does not leave the page
-

Use Case Name

Search for an event

Description

A user wants to find an event posted on the system.

Actors

Anonymous user

Pre-Conditions

Any level of user may search for an event using the system. User must have internet access. Users registered with a student email can view student only events.

Main flow

1. User opens the web application
2. <Search Criteria> Fills a search criteria with keywords for event they are seeking
3. System displays events related to keywords

Post-Conditions

To continue to register for events, users must be signed in.

Alternative flows

- A. At <Search Criteria>, if the user is signed in
 - a. There will be suggested filters or search history recommended
 - B. At <Search Criteria>, user searches with
 - a. Time and date selectors for include/exclude specific times
 - b. Category blocks to include/exclude a faculty or topic etc
 - c. General descriptions to search by tags
-

Use Case Name

RSVP to event

Description

A user with an account can RSVP to an event

Actors

User, Privileged User, Club Administrator or Administrator

Pre-Conditions

The user must have an account

Main flow

1. User opens the web application
2. **<User Authentication>** User logs in
3. System redirects back to main application with user information
4. User searches for an event with relevant criteria
5. **<Returns Events>** system returns events matching the input criteria
6. User selects an event with the option to rsvp
7. **<View Event>** system displays event information
8. User chooses to rsvp to event
9. System displays that the rsvp action was performed successfully

Post-Conditions

User's event organizer calendar should update with the date and time of the event

Only users that are registered with a university email can view student only events.

Alternative flows

- A. At <view event> user cancels the rsvp
 - a. Use case ends
- B. At <view event> event is at full capacity
 - a. System prompts user "event is full you can't rsvp at this time"
 - b. Event owner is notified when the event is at full capacity in the application

Use Case Name

Register Privileged User

Description

Elevate a Registered User to a Privileged User

Actors

Administrator or Club Administrator, Registered user, Privileged user

Pre-Conditions

User must have Club administrator access or higher

Main flow

1. User opens the web application
2. **<User Authentication>** Administrator logs in
3. System redirects back to main application with user information
4. Administrator selects option to register a Privileged User
5. The system displays list of eligible users the administrator has authority over
6. **<User Input>** The system will filter users with keywords
7. Select the user to give privileged status
8. **<Confirm Action>** The system displays message prompt to confirm action
9. Administrator confirms the action and the selected user is now registered as a Privileged User

Post-Conditions

The new Privileged User can now Create and Edit Events

Alternative flows

- A. At <User Authentication>, if the user entered incorrect login details
 - a. The system displays a message saying “the username/password was not correct please try again”
 - b. Return to <User Authentication>
 - B. At <User Input>, if the admin clears a required field
 - a. The system displays a message saying “you are missing some fields” and specifying what fields were missed and does not leave the page
 - C. At <Confirm Action> if the administrator selects Cancel
 - a. The selected user will not be given privileged status
-

Use Case Name

Register Club Administrator

Description

Elevate a Registered or Privileged user to a Club Administrator

Actors

System Administrator, Club Administrator, Student user, Privileged user

Pre-Conditions

User must have a System Administrator Account

Main flow

1. User opens the web application
2. **<User Authentication>** Administrator logs in
3. System redirects back to main application with user information
4. Administrator selects option to register a Club Administrator
5. The system displays list of eligible users the administrator has authority over
6. **<User Input>** The system will filter users with keywords
7. Select the user to give Administrator status
8. **<Confirm Action>** The system displays message prompt to confirm action
9. Administrator confirms the action and the selected user is now registered as a Club Administrator

Post-Conditions

The new Club Administrator can now create and edit (if they were previously a regular user), register privileged users and approve events

Alternative flows

- A. At **<User Authentication>**, if the user entered incorrect login details
 - a. The system displays a message saying “the username/password was not correct please try again”
 - b. Return to **<User Authentication>**
 - B. At **<User Input>**, if the admin clears a required field
 - a. The system displays a message saying “you are missing some fields” and specifying what fields were missed and does not leave the page
 - C. At **<Confirm Action>** if the administrator selects Cancel
 - a. The selected user will not be granted club administrator access
 - b. The use case ends
-

Use Case Name

Share Event (Facebook)

Description

A user wants to share an event to their Facebook timeline so that it is visible to their friends

Actors

Registered User, Privileged User, Club Administrator or System Administrator, External Application (Facebook)

Pre-Conditions

The user must have an account in the system, a pre existing Facebook account, and there must be an event already in the system for the user to view.

Main flow

1. User opens the web application
2. **<User Authentication>** User logs in
3. System redirects back to main application with user information
4. User selects to share an event to Facebook
5. External application opens, prompting user for credentials
6. User is prompted by external application to confirm that they want to share the event to their timeline
7. The user confirms that they would like to post the event to their Facebook timeline

Post-Conditions

User's Facebook timeline should now display the event that was just shared

Alternative flows

- A. At **<User Authentication>**, if the user entered incorrect login details
 - a. The system displays a message saying "the username/password was not correct please try again"
 - b. Return to **<User Authentication>**
-

Use Case Name

Ban User

Description

A System Administrator uses the web application interface to disable a user from accessing the system.

Actors

System Administrator

Pre-Conditions

Users must have an account with administrator access.

Main flow

1. Administrator opens a application to access the system.
2. **<User Authentication>** User logs in with a Administrator account.
3. System redirects back to main application with the administrator user interface.
4. User selects the option Ban User.
5. The system display a list of all eligible users in the current system.
6. **<User input>** The system will filter the list of users with keywords.
7. The system will display only the users matching the given keywords.
8. Administrator disables the correct user by selecting Ban User.
9. **<Confirm Action>** The system prompts a message to reassure the Ban User action.
10. The Administrator confirms the action and the correct user is banned.

Post-Conditions

The banned user can no longer report events, all other system functionality is available to them.

Alternative flows

- A. At <User Authentication>, if the user entered incorrect login details
 - a. The system displays a message saying “the username/password was not correct please try again”
 - b. Return to <User Authentication>
 - B. At <User Input>, if the admin clears a required field
 - a. The system displays a message saying “you are missing some fields” and specifying what fields were missed and does not leave the page
 - C. At <Confirm Action>, if the administrator selects No
 - a. The selected user will not be disabled from the system
-

Use Case Name

Export to calendar

Description

A user exports the event times they’re registered for to their external calendar manager application.

Actors

Registered User, Privileged User, Club Administrator or System Administrator, External Calendar Application (eg Facebook, Google Calendar, IOS Calendar)

Pre-Conditions

The user must have an account in the system, and an existing account in an External Calendar Application, and be registered for at least one event in their calendar.

Main flow

- 8. User opens the web application
- 9. <User Authentication> User logs in
- 10. System redirects back to main application with user’s information
- 11. User reviews calendar and exports it to External Calendar Application
- 12. The use case ends.

Post-Conditions

User’s external calendar app should have the correct information that was exported.

Alternative flows

- B. At <User Authentication>, if the user entered incorrect login details
 - a. The system displays a message saying “the username/password was not correct please try again”
 - b. Return to <User Authentication>
-

Use Case Name

Remove Event

Description

Make an event invisible to users.

Actors

System Administrator

Pre-Conditions

A user must have system administrator access

Main flow

1. User opens the web application
2. <User Authentication> User logs in as a system administrator\
3. The system notifies the administrator that an event was reported
4. System redirects back to main application with an administrative interface
5. User selects option to view list of events
6. System displays list of all events and a separate list of reported events
7. User selects an event from the list to view details of the event
8. User selects the option of delete event
9. <Confirm Action> System prompts user to confirm removal of event
10. User confirms action and the event is removed

Post-Conditions

Event is flagged as removed and is visible in a separate list. Event hosts will be notified that their event has been flagged as removed.

Alternative flows

- A. At <User Authentication> , if the user entered incorrect login details
 - a. The system displays a message saying “the username/password was not correct please try again”
 - b. Return to <User Authentication>
- B. At <Confirm Action>, if the administrator selects No
 - a. Selected event will not be removed
 - b. Use case ends

Use Case

Approve Event

Description

Approve an event that was added by a less-privileged user.

Actors

System Administrator

Pre-Conditions

A user must have system administrator or club administrator access

Main flow

1. User opens the web application
2. **<User Authentication>** User logs in as a system administrator
3. System redirects back to main application with an administrative interface
4. User selects option to view list of unapproved events
5. System displays list of all unapproved events
6. **<At view event>** User selects an event from the list to view details of the event
7. User selects the option of approve event
8. **<Confirm Action>** System prompts user to confirm approval of event

Post-Conditions

Event is approved and visible to any user of the system.

Club administrators may only approve events designated to their organization.

Alternative flows

- A. **<At view event>** User has the option of removing event instead of approving it.
 - a. User removes the event
 - b. Use case ends

Use Case Name

Log in

Description

A user logs into their account on the web application.

Actors

Registered User, Privileged User, Club Administrator or Administrator

Pre-Conditions

The user must have an account in the system.

Main flow

1. The user opens the web application
2. The enters the email and password associated with their account.
3. **<User Authentication>** The user is then logged into the application.

Post-Conditions

The user is redirected to the home page

Alternative flows

- A. At <User Authentication>, if the user entered incorrect login details
 - a. The system displays a message saying “the username/password was not correct please try again”
 - b. Return to <User Authentication>
 - B. At **<User Authentication>**, if the email address does not have an account associated with it:
 - a. The system redirects the user to the register page.
 - C. At <User Authentication>, if the user presses forgot password
 - a. System sends email with reset password link to registered email
 - b. Return to <User Authentication>
-

Use Case

View event

Description

All users can view events. This happens as an extension of another use case. Viewing an event is not an interactive part of the application.

Use Case Name

Register User

Description

Create a new account on the system to log in with

Actors

Anonymous users

Pre-Conditions

User must have a valid email address which they can verify (via a unique link sent by email)

Main flow

1. User opens the web application
2. User navigates to the register page
3. **<Enter Information>** User enters required registration information:
 - a. Email address
 - b. Desired password
 - c. Date of birth
4. **<Submit information>** User submits the registration information, system checks that entered data is valid
5. **<Create Account>** System creates user in database with provided information and hashed password, account is not marked as enabled
6. System sends confirmation email to provided address with unique link
7. Users visits unique link
8. System marks user as enabled
9. End of use case

Post-Conditions

User is able to log in with chosen email address and password

Alternative flows

- A. At **<Submit Information>** if email is in database as an existing user
 - a. If the existing user is marked as enabled:
 - i. The system displays a message notifying the user the specified email is in use. System prompts them to enter new email address or visit the login page to reset their password.
 - ii. Return to **<Enter Information>**
 - b. If the existing user is not marked as enabled:
 - i. Overwrite existing data with new data
 - ii. Proceed to **<Create Account>**
 - B. At **<Submit Information>** if password is less than 8 characters in length
 - a. Display message prompting the user to choose a password which is 8 characters or longer.
 - b. Return to **<Enter Information>**.
 - C. At **<Submit Information>** if valid university email is presented
 - a. System sends a verification email to university email address with appropriate message.
 - b. Return to **<Enter Information>**.
-

Use Case Name

Report Event

Description

Report an inappropriate event to notify administrators for review

Actors

Registered User, Privileged User, Club Administrator, System Administrator

Pre-Conditions

The user must have successfully logged in

Main flow

1. User views an event which they believe to be inappropriate
2. **<Report Event>** User chooses the "Report Event" option
3. **<Choose Reason>** User selects the reason why they have reported the event
4. The system notifies the user their report has been submitted, and an administrator will review the event

Post-Conditions

The event is added to the queue for evaluation.

Alternative flows

- A. At <Report Event> if the event has already been approved by an administrator
 - a. If the event has been edited since the last approval:
 - i. Proceed to <Choose Reason>
 - b. If the event has not been edited since the last approval:
 - i. The system displays a message notifying the user the event has already been approved, and they cannot report it.
 - ii. End of use case.
 - B. At <Review Event> if the administrator determines the event is appropriate:
 - a. The event is not removed.
 - b. The event can no longer be reported (unless edited).
 - c. End of use case.
-

Use Case Name

Reset Password

Description

Change the password for a user account

Actors

Anonymous User, Authenticated User, Privileged User, Club Administrator, System Administrator

Pre-Conditions

The user has an account

Main flow

1. User navigates to log in page
2. User chooses the “Reset Password” option
3. **<Enter Email>** User enters their email address
4. The system notifies the user that an email will be sent to that email if an associated account exists
5. **<Send Email>** The system sends a unique link to the email address
6. The user visits the link
7. **<Choose Password>** The user enters a new password
8. **<Update Password>** The system updates the user account with the new password
9. The user is notified their password has been reset
10. End of use case

Post-Conditions

The user is able to log in with their new password

Alternative flows

- A. At <Send Email> if the email address is not associated with an existing account:
 - a. Do not send an email or notify the user.
 - b. End of use case.
- B. At <Update Password>, if the password is less than 8 characters in length
 - a. Display message prompting the user to choose a password which is 8 characters or longer.
 - b. Return to <Choose Password>.

A.2 Dataflow Diagrams

The following are a set of data flow diagrams reflecting a subset of the mentioned use cases:

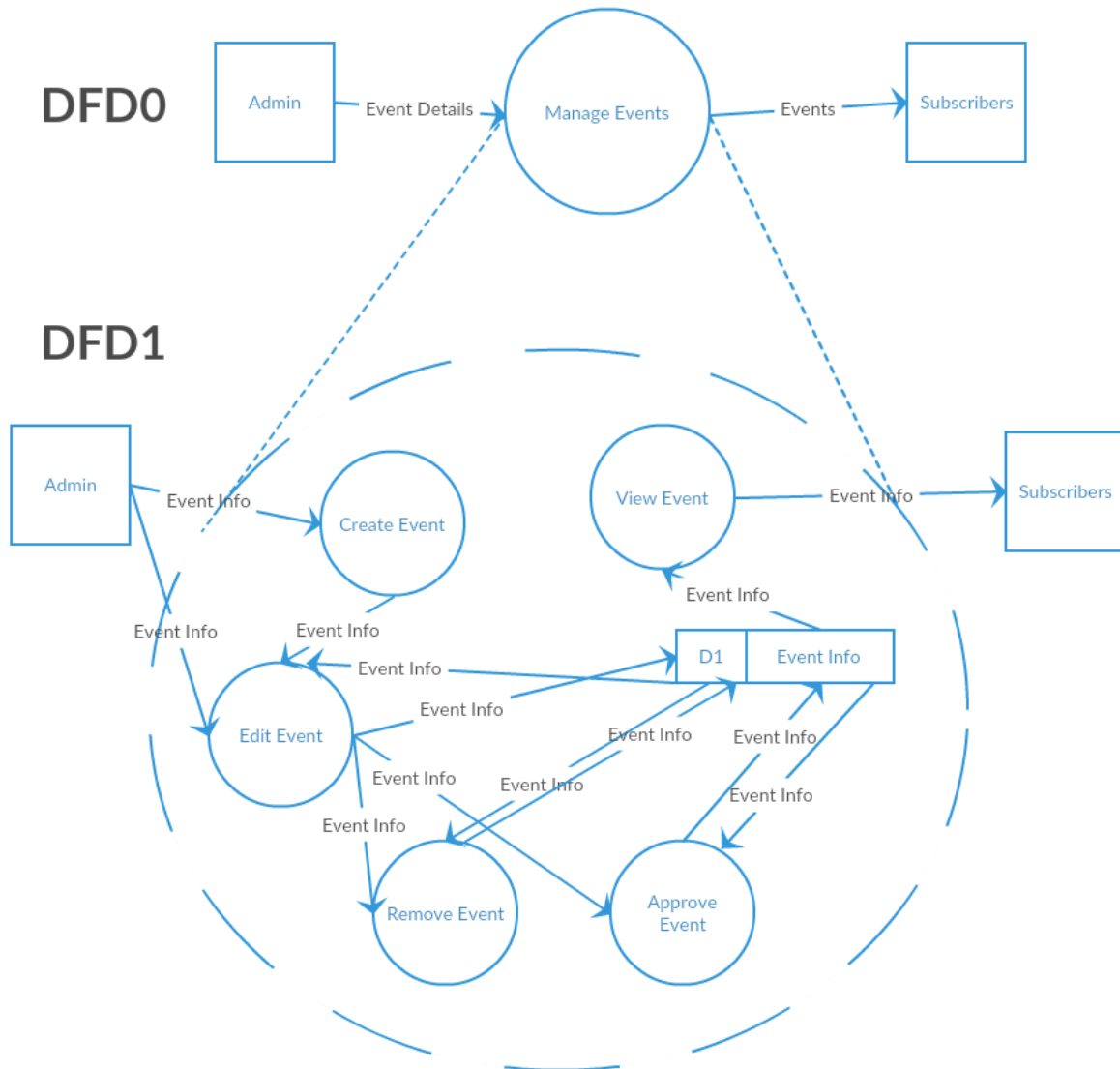


Figure 10: Level 0 and 1 data flow diagram

DFD2

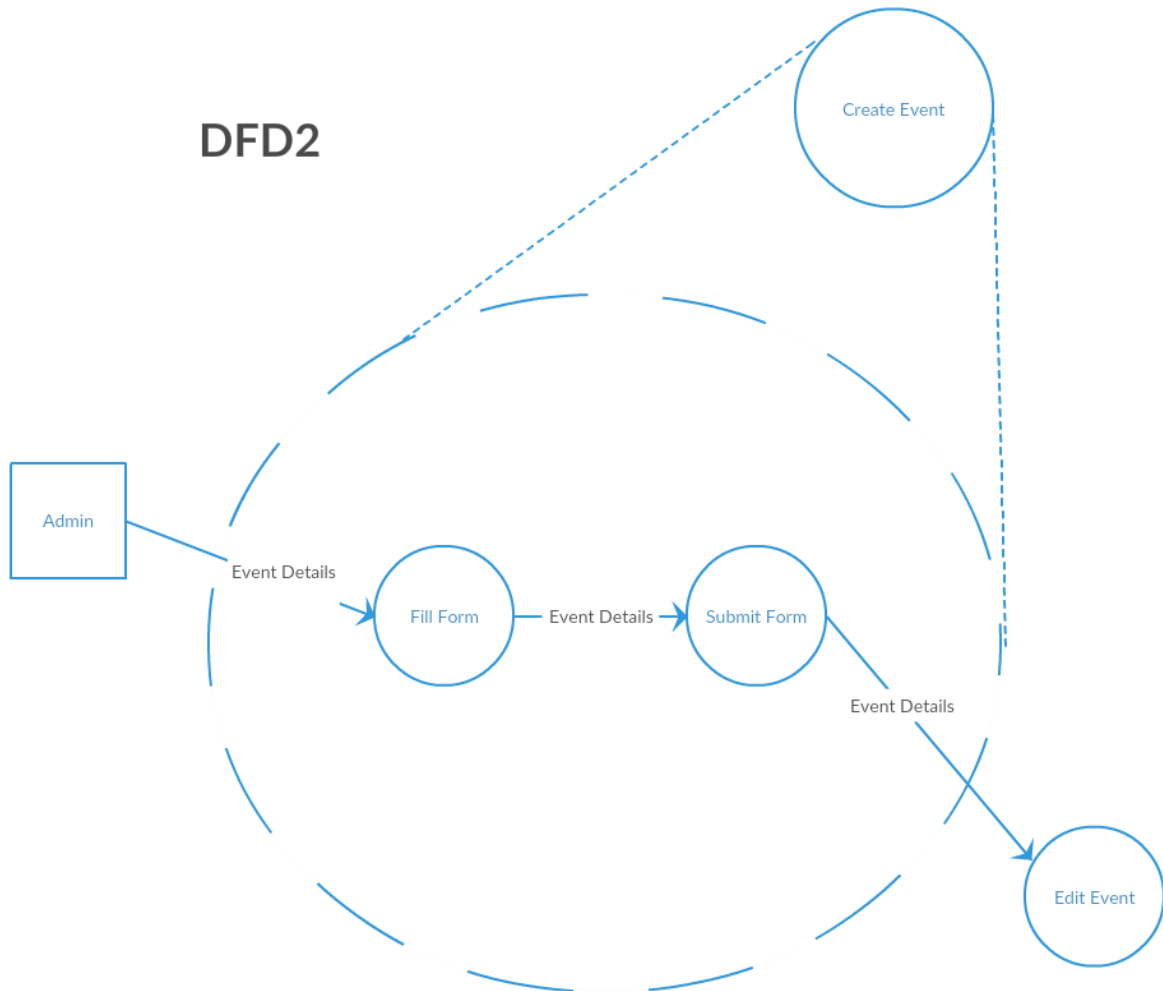


Figure 11: Level 2 data flow diagram

DFD3

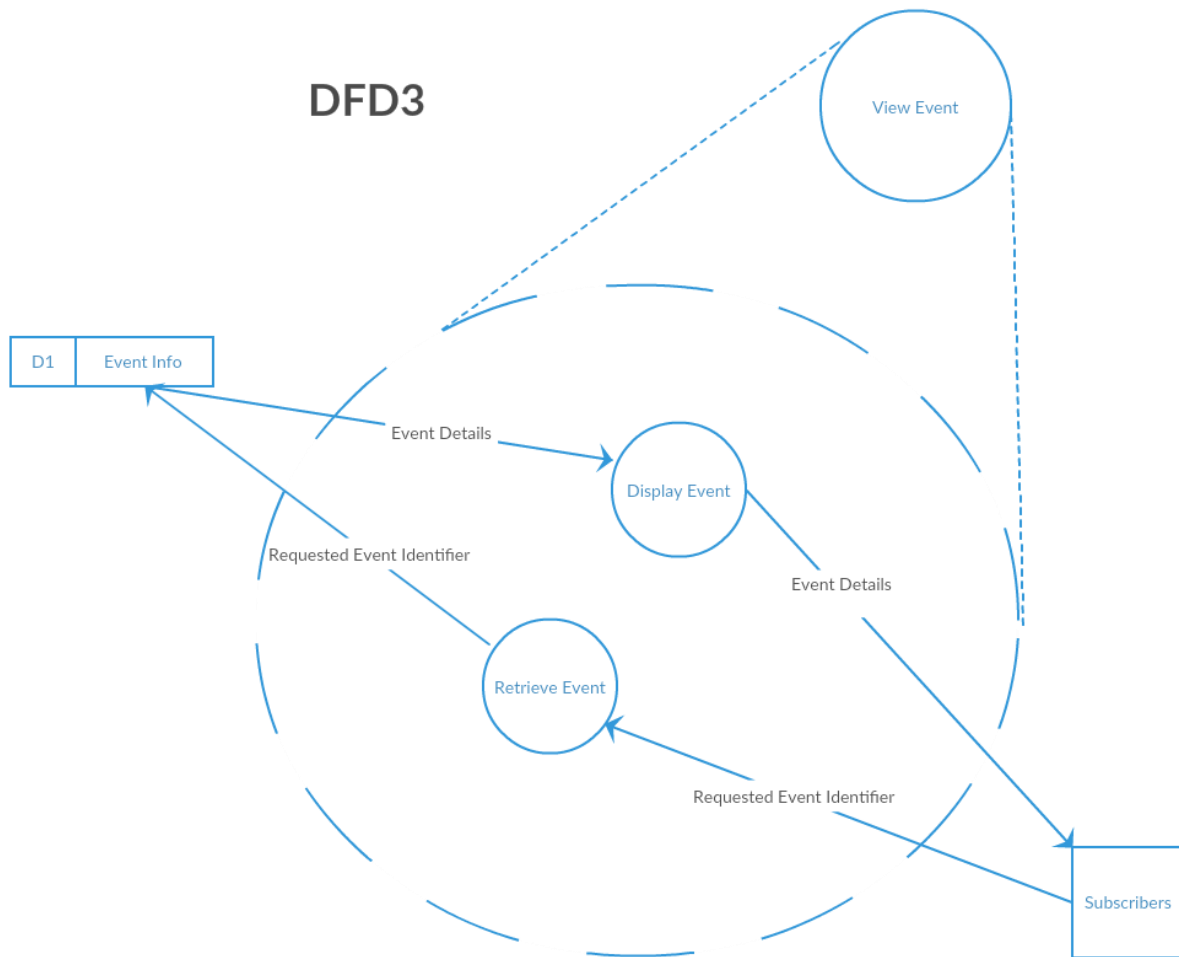


Figure 12: Level 3 data flow diagram

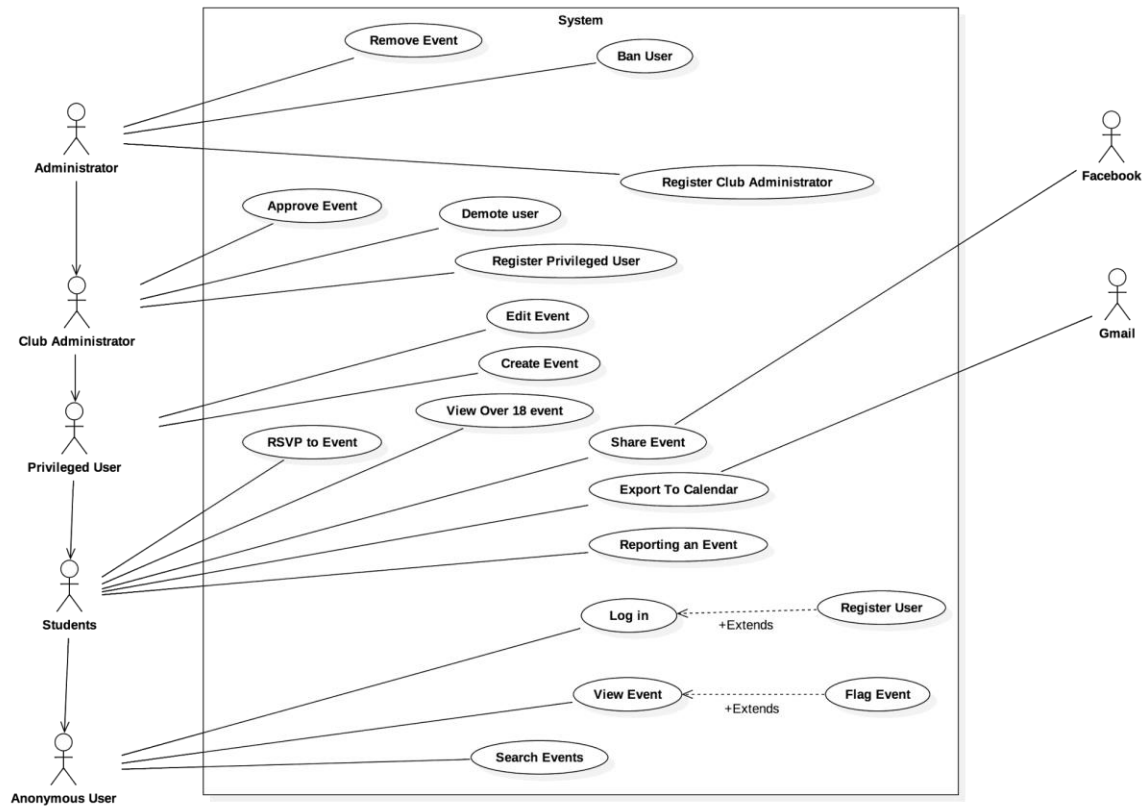


Figure 13: Use Case Model

A.3: UI Mockups

The web application is responsive, and changes based on screen size. The UI Mockups pictured below are mostly displayed on mobile screens (based on the size of the iPhone 7 Plus screen). All views exist on both desktop and mobile, as well as any intermediate screen sizes (e.g. tablets).

A.3.1: Loading Screen



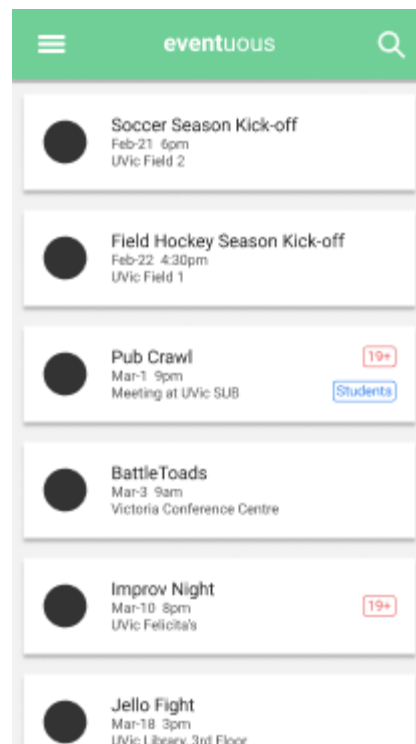
A.3.3: Register Screen

The register screen has a dark green background with the "eventuous" logo in white at the top. Below the logo are six white, rounded rectangular input fields stacked vertically, each containing a placeholder text: "Name", "Email Address", "Password", "Confirm Password", "Date of Birth", and "University Email (optional)". At the bottom, there are two green rounded rectangular buttons: "Log In" on the left and "Register" on the right.

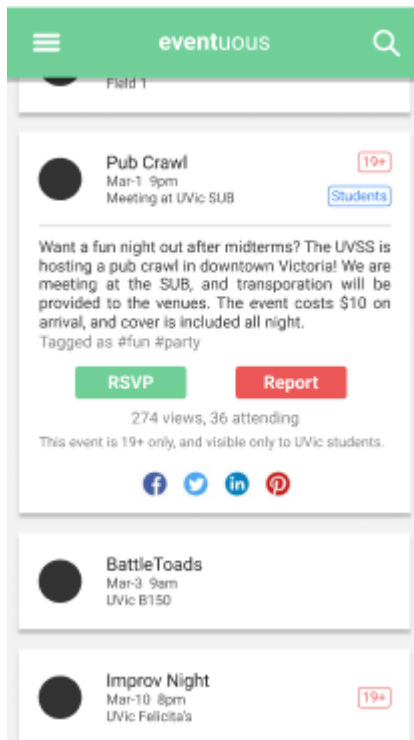
A.3.2: Log In Screen

The log in screen features a dark green background with the "eventuous" logo in white at the top. Below the logo are two white, rounded rectangular input fields: "Email Address" and "Password". At the bottom, there are two green rounded rectangular buttons: "Log In" on the left and "Register" on the right. A faint image of a building is visible in the background.

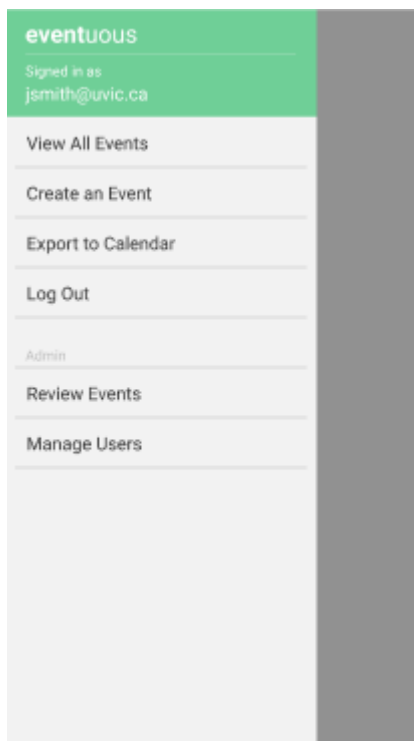
A.3.4: Events Screen



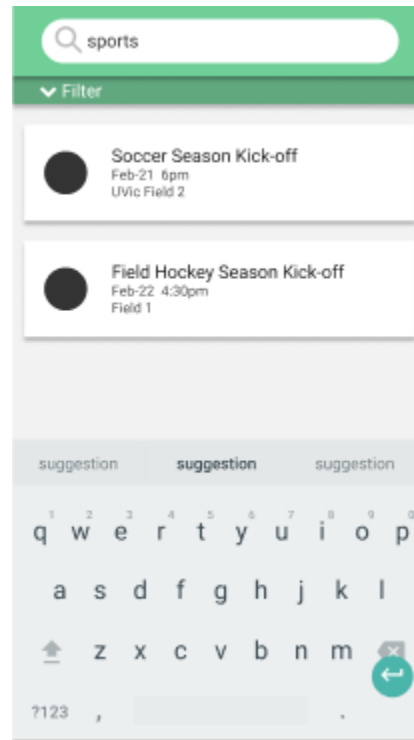
A.3.5: Expanded Events Screen



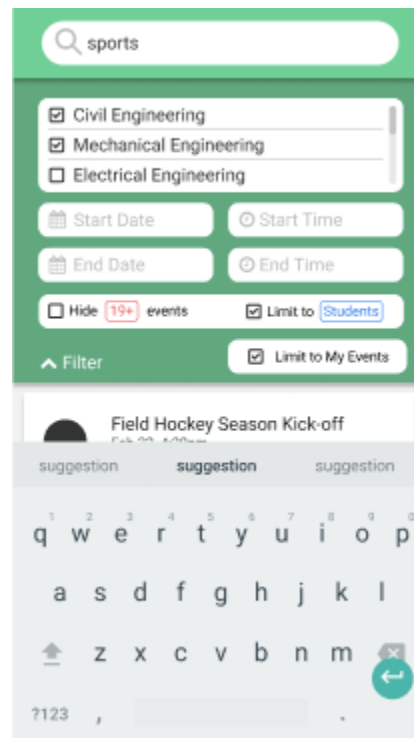
A.3.6: Menu Screen



A.3.7: Event Search Screen



A.3.8: Event Search Screen (Filtering Expanded)



A.3.9: Create Event Screen

eventuuous

Popsicle Stick Bridge Building

ELW Lobby

Date Time

☒ Civil Engineering
☒ Mechanical Engineering
☐ Electrical Engineering

#fun engineeri

☐ 19+ ☒ Students ☒ RSVP

Description

Submit Cancel

A.3.11: Manage Users

Search for a user

David Draker User

Jon Pavelich Club Administrator Student

Tyler Harnadek User Student

suggestion suggestion suggestion

q w e r t y u i o p
a s d f g h j k l
z x c v b n m

A.3.10: Review Reported Events Screen

eventuuous

Pub Crawl
Mar 1 9pm
Meeting at UVic SUB
Posted by Christina Araya
UVic SENG 321 Club

19+ Students

Want a fun night out after midterms? The UVSS is hosting a pub crawl in downtown Victoria! We are meeting at the SUB, and transportation will be provided to the venues. The event costs \$10 on arrival, and cover is included all night.
Tagged as #fun #party
274 views, 36 attending
This event is 19+ only, and visible only to UVic students.
Reported 15 times

Approve Remove

A.3.12: Manage Users (Expanded)

jon pavelich

Jon Pavelich Club Administrator Student

Member since Feb-2015
15 Submitted Posts (12 Approved)
102 Club Posts Approved
24 Reports Submitted (2 Removed)

Promote User Demote User Ban User

suggestion suggestion suggestion

q w e r t y u i o p
a s d f g h j k l
z x c v b n m

A.3.13: Events Screen (Desktop)

eventuous

Signed in as
jsmith@uvic.ca

View All Events

Create an Event

Export to Calendar

Log Out

Admin

Review Events

Manage Users

Soccer Season Kickoff

Feb-21 6:00pm

UVic Field 2

Students

Field Hockey Season Kick-off

Feb-22 4:30pm

UVic Field 1

Students

Pub Crawl

Mar-1 8pm

Meeting at UVic SUB

19+

Students

Want a fun night out after midterms? The UVSS is hosting a pub crawl in downtown Victoria! We are meeting at the SUB, and transportation will be provided to the venues. The event costs \$10 on arrival, and cover is included all night.

Tagged as #fun #party

RSVP

Report

274 views, 36 attending

This event is 19+ only, and visible only to UVic students.

f

t

in

p

Placeholder Event

Jan-1 1:00

Location

Students

Placeholder Event

Jan-1 1:00

Location

Students

Placeholder Event

Jan-1 1:00

Location

Students

Placeholder Event

Jan-1 1:00

Location

Students

Placeholder Event

Jan-1 1:00

Location

Students

Placeholder Event

Jan-1 1:00

Location

Students

Placeholder Event

Jan-1 1:00

Location

Students

Placeholder Event

Jan-1 1:00

Location

Students

A.3.14: Weekly Calendar View (Desktop)

eventuous

Signed in as
jsmith@uvic.ca

View All Events

Create an Event

Export to Calendar

Log Out

Admin

Review Events

Manage Users

Today

<

>

27 Feb - 5 Mar 2017

GMT-08	Mon 27/2	Tue 28/2	Wed 1/3	Thu 2/3	Fri 3/3	Sat 4/3
09:00						
10:00						
11:00						
12:00	Soccer Season Kick-off UVic Field 2					
13:00						
14:00						
15:00						Field Hockey Game 2 UVic Field 1
16:00						
17:00						
18:00						
19:00				Pub Crawl Meeting at UVic SUB		
20:00						
21:00						

A.3.15: Monthly Calendar View (Desktop)

eventuous

Signed in as
jsmith@uvic.ca

View All Events

Create an Event

Export to Calendar

Log Out

Admin

Review Events

Manage Users

Today < > February 2017

Sun	Mon	Tue	Wed	Thu	Fri	Sat
29	30	31	1 Feb	2 Pub Crawl Meeting at UVic SUB	3	4
5 Soccer Season Kick-off UVic Field 2	6	7	8	9 Field Hockey Game 2 UVic Field 1	10	11
12 Soccer First Game UVic Field 2	13	14	15	16	17	18
19	20	21	22 Field Hockey Season Kick-off UVic Field 1	23	24	25
26	27	28	1 Mar Pub Crawl Meeting at UVic SUB	2	3	4

Appendix B: Issues List

No known issues.