# www.RateAClub.com
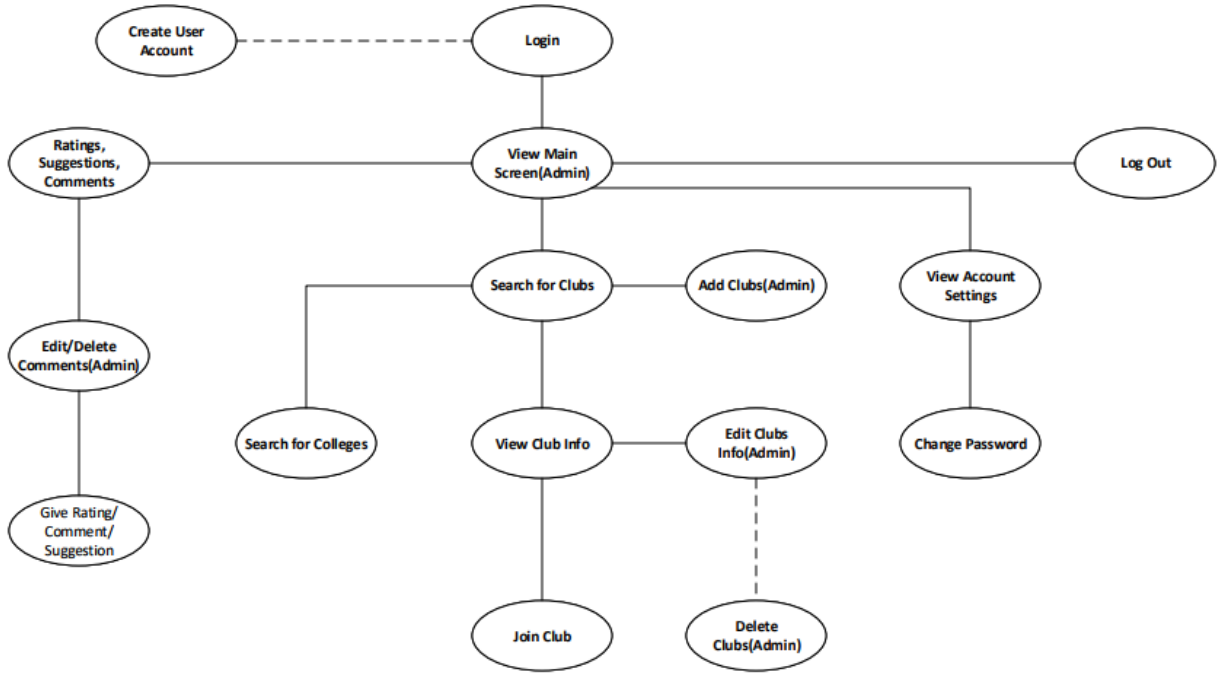
## UML Document
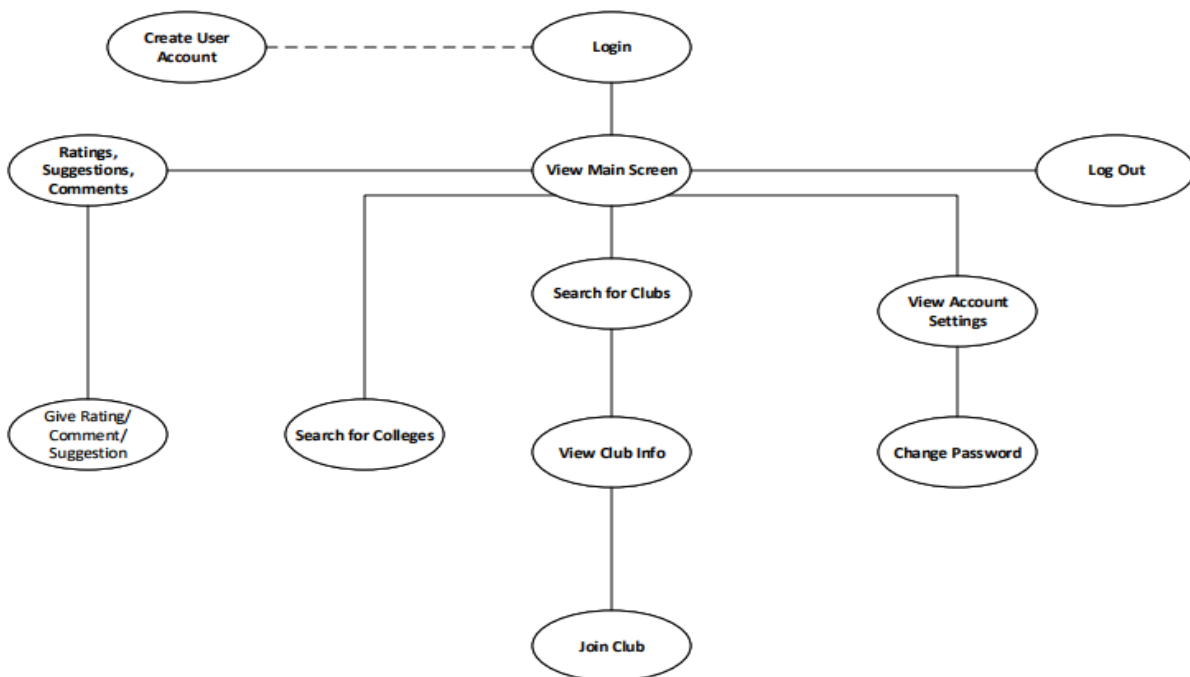
**Brian Pigford, Max Cardillo, Joesph Hays, Dylan Weigartz, Chad Lenz, Emmanual Maku**

# Diagrams

**Admin User:**



**Regular User:**

# Use Cases:

**Use Case:** View Ratings/Suggestions/Comments

**Name of Use Case:** *View Ratings/Suggestions/Comments*

**Primary Actor:** End User

**Goal in Context:** Allow the user to view the ratings and comments on a club as well as the suggestions for improvement for that club.

**Preconditions:** None

**Trigger:** User has selected club from the results of their search.

**Scenario:**

1.  Database pulls all the entries for that club.

2.  Database calculates the average rating for that club.

3.  List structure is filled out with all the information.

4.  A list of blocks with the rating is next to a textbox with the first 100 characters of the comment with the word expand that opens a larger text box with any suggestions in a separate box beneath the comment block all filled out.

**Exceptions:**

1.  Club has no entries: Display "Wow empty" message

2.  Database connection is invalid: Display 404 error message

3.  Database calculation fails: Load the rest of the comments and leave the average blank

4.  No Internet connection: Error message displayed

**Priority:** High

**Frequency of Use:** Very Often

**When available:** Week 3

**Open Issues:**

1. Do we want to have the full comment displayed or a snippet that creates a link to another
   page with the full comment?

   a. Resolved in number four of scenario.

**Use Case:** View Main Screen

**Name of Use Case:** *View Main Screen*

**Primary Actor:** End User

**Goal in Context:** Create a landing page that all users will see when first starting up.

**Preconditions:** None

**Trigger:** Navigating to the site.

**Scenario:**

1. User can Log in (Invokes Log In use case).

2. User can Log out (Invokes Log Out use case).

3. User can search for a college (Invokes Search for College use case).

4. User can search for a club (Invokes Search for Club use case).

5. Database populates list structure with top five rated clubs.

6. Images of the colleges associated with the top five clubs are displayed.

**Exceptions:**

1. Site hosting is down: Standard 404 error would be shown

2. Database connection is invalid: Error message displayed

3. No Internet connection: Error message displayed

4. User enters invalid college or club name: Create a dropdown list to prevent misspelling

**Priority:** High

**Frequency of Use:** Very Often

**When available:** Week 3

**Open Issues:**

1. What should be on the home page in term of graphics?

   a. Resolved number six in scenario.

2. What should be on the home page in term of information?

. Resolved number five in scenario.


**Use Case:** View Club Info


**Name of Use Case:** *View Club Info*

**Primary Actor:** End User

**Goal in Context:** Allow the user to view information on the club such as: meeting time, meeting location, club description, member population, and other relevant information

**Preconditions:** None

**Trigger:** User clicks the display club info button on the club's page. (see View ratings)

**Scenario:**

1. Database is connected, and the club information is retrieved.

2. Form is filled out with the correct information.

3. Corresponding text boxes with the field's name is displayed with the information supplied.

4. Search bar is visible in header (Invokes search club or search college)

5. Log in/out button is visible (Invokes Log In or Log Out)

**Exceptions:**

1. The database is missing information: 404 error displayed

2. The database server is down: Error message displayed

3.      Club does not have an entry in the database: An error message is displayed

4.      Not connected to Internet: Error message displayed

**Priority:** Medium

**Frequency of Use:** Often

**When Available:**  Week 7

**Open Issues:**

1.  What information on the clubs should we require?

a.       Club name, Club description, College, contact email (to be verified).

2.  What information could be optional?

.       Image, video link, President's name, meeting times and location, tags


**Use Case:** View Account Settings

**Name of Use Case:** *View Account Settings*

**Primary Actor:** End User; Admin

**Goal in Context:** Allows the user to see their account information such as email and password.

**Preconditions:** The user has already used the *Create Account* use case to create an account.  The user must also have logged in using the *Log In* use case.  User must be connected to the internet.

**Trigger:** The user clicks the "User Settings" link on the *View Main Screen*.

**Scenario:**

1.  There is a page which shows their name, user name and email address.

2. There is a "Change Password" button which would take the user to the *Change Password* use case.

3. There is a "Delete Account" button which allows the user to delete their account from the server. When this is clicked, they are shown a confirmation prompt.

4. The confirmation prompt will show a "Yes" and a "No" option.

5. If "Yes" is selected, then the account is deleted. If "No" is selected, then the user is returned to the *View Account Settings* page.

**Exceptions:**

**When Available:** Week 2

**Priority:** High

**Frequency of Use:** Frequently

**Open Issues:**

**Use Case:** Edit Club Info

**Name of Use Case:** *Edit Club Info*

**Primary Actor:** Administrators

**Goal in Context:** Allow admins to change the displayed information about a club

**Preconditions:** club must exist in database, admin must know club name as it is in the database

**Trigger:** admin clicks the Edit Club button (see main screen use case)

**Scenario:**

1. Admin searches club name

2. Admin selects a club

3. Admin enters the new club name (if any) into the club name field (String)

4. Admin enters new contact email (if any) into contact field (String)

5. Admin enters new club info (if any) into club info field (String)

6. Admin enters new miscellaneous info (if any) into appropriate fields (Links and Strings)

7. Admin clicks Apply button

**Exceptions:**

      1) club does not exist in database

          Solution: search returns an empty table, tells to search again

      2) admin does not enter club name in search correctly

          Solution: search returns

**Priority:** Medium

**Frequency of Use:** Frequent

**When Available:** Week 6

**Open Issues:**

1. Should there be a limit of number of edits within a certain time span?

a.      No, no need for a limit currently

2. there be a specific format for entering club information?

.      Yes, there will be multiple fields for various pieces of information that can be entered

(see Meeting Minutes 10/25)

**Use Case:** Change Password

**Name of Use Case:** *Change Password*

**Primary Actor:** End User; Admin

**Goal in Context:** Allows the user to change their password.

**Preconditions:** The user has already used the *Create Account* use case to create an account. The user must also have logged in using the *LogIn* use case. User must be connected to the internet.

**Trigger:** The user clicks the "Change Password" button on the *View Account Settings* use case.

**Scenario:**

1. The user gets taken to a page with text boxes with the labels "Current Password", "New Password" and "Confirm New Password".

2. The user will have to enter their current password and their new password twice.

3. If the user is an admin, a line of text stating that they need to have a minimum of ten characters, with a digit, capital letter, and special character will appear under the "New Password" box.

4. If the user is not an admin, a line of text stating that they need to have a minimum of six characters will appear under the "New Password" box.

5. There will then be a confirmation prompt that the user has changed their password successfully.

**Exceptions:**

1. The user could enter their current password incorrectly.

a. If this happens the blank text boxes will be displayed again along with a red text line that states the current password was incorrect.

2. The user could enter something different in the new password, and confirm new password boxes.

. If this is the case, the blank text boxes will be displayed again along with a text line that says the new passwords did not match.

3. If the password doesn't meet the requirements.

.        a red text line will be displayed saying that the user needs to include the requirements.

**When Available:** Week 3

**Priority:** High

**Frequency of Use:** Frequently

**Open Issues:**

<div align="center">

**Use Case:** Add Club

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**Name of Use Case:** *Add Club*

**Primary Actor:** Administrators

**Goal in Context:** Allow administrators to add a club to the database

**Preconditions:** Internet Connection, account must have Administrator access

**Trigger:** Admin clicks the Add Club button (see main screen use case)

**Scenario:**

1.  Admin enters club name into club name field (String)

2.  Admin enters contact email into email field (String)

3.  Admin enters club information into club info fields (String)

4.  Admin enters additional info (Image, video link, President's name, meeting times and location, tags) into appropriate fields (Links and String)

5.  Admin enters college name into college field (Drop-down)

6.  Admin clicks Add Club to Database button

**Exceptions:**

1.  Admin clicks button without entering anything into club name, college, or contact field

a.      Solution: red text says that there must be an entry, doesn't leave page

2.  Admin enters club name that already exists in that college

.      Solution: red text says that the club already exists, doesn't leave page

**Priority:** High

**Frequency of Use:** Frequent

**When Available:** Week 5

**Open Issues:**

1. Should Add Club accept entries with a college not already in database?

a.      No, Add Club will only allow colleges that exist in database to be entered

2. If so, should Add Club also be used add colleges?

.      No need, see previous answer

(see Meeting Minutes 10/25)

<br>

**Use Case:** Search for Clubs

**Name of Use Case:** *Search for Clubs*

**Primary Actor:** End User

**Goal in Context:** Allow users to search for clubs.

**Preconditions:** internet connectivity, must be on the site.

**Trigger:**

1. Clicks "search" button

2. Press "enter" button

3. Clicks on a suggested search.

**Scenario:**

1. User enters name of club or tag in text field.

2. User enters name of institution.

3. User receives list of suggestions for search.

4. User clicks search button.

5. User clicks on provided suggestion.

6. "Pop down" of suggested items.

7. User scrolls or press down arrow through suggested searches

8. User receives list of results with club or institution name.

9. Brief information about search results is retrieved from database.

10. User clicks on a result and get sent to its page.

11. User may join with logged in non-admin credentials, else user asked to log in.

**Exceptions**:

1. There are no instances of the intended search.

a.     Solution: inform users that club was not found.

2. Site is down or in maintenance.

.     Solution: Print message informing users that the page will be back up shortly.

3. User misspells the intended search.

.     Solution: make suggestions or print club was not found.

4. Database connection fails.

.     Solution: Try reconnecting to database, if not able, then print message informing users

they may not join clubs due to technical issues at the moment.

5. The database that site will search through is empty.

.     Solution: inform users that there are no clubs in the database at this time. Try again later.

a.     Solution: inform users that, due to technical issues, there are no clubs in the database at

this time. Try again later.

**Priority:** Medium

**Frequency of Use:** Very Frequent

**When available:** Week 9.

**Open Issues:**

1. How much information about the searched club should be included in the result?

a. Club name, College, 100 characters of description

2. Should users be able to join clubs from the results of the search or only on the club's

   page?

. No.


**Use Case:** Express Interest

**Name of Use Case:** *Express Interest*

**Primary Actor:** End User

**Goal in Context:** Allow users to join clubs

**Preconditions:** Internet Connectivity, logged in, and not administrator

**Trigger:** Clicks "Express Interest" button

**Scenario:**

1. User clicks on "Express Interest" button.

2. If user is not logged in, then users will be asked to log in.

3. Credentials are checked.

4. Automated email gets sent to the club expressing interest to the club with user's first and

   last name.

**Exceptions:**

1. User is not logged in.

a.      Solution: get user to sign in or sign up.

    2.  Site is down or in maintenance.

.       Solution: Print message informing users that the page will be back up shortly.

    3.  User is logged in but is an administrator.

.       Solution: disable "Express Interest" button for admins.

    4.  Database connection fails.

.       Solution: Try reconnecting to database, if not able, then print message informing users they may not join clubs due to technical issues at the moment.

    5.  No entry of club in database.

.       Solution: print message informing users that the club is currently not in the database due to technical issues.

a.      Solution: or disable the join button.

    6.  Club name or email is changed or not updated, for example, new club officer.

.       Solution: print message informing users that their email may not reach the intended club, because the club has yet to update their information.

    7.  Club email invalid or does not reach because of such.

.       Solution: Send email to user to inform that their request did not reach because of an invalid club email or technical issues.

    8.  Club email host is down.

.       Solution: clubs are able to get requests through the site account.

    9.  Database not updated.

.       Solutions: print message inform user that database is not up to date.

a.      Repeatedly inform admins to update database.

10. Club no longer exist.

.      Solution: inform users that the club they are looking for in not in the database and it either no longer exists or needs to update its information.

**Priority:** Medium

**Frequency of Use:** Mild

**When Available:** Week 6

**Open Issues:**

1. Who determines who receives the email?

a.      Email entered at account creation.

2. How frequently should clubs be forced to update club information in order to avoid invalid emails or not updated databases?

.      Left up to club.

3.      Should user email be sent as well?

a.      Yes.

4.      Should user also receive email of the confirmation that the email was sent?

.      Yes.

5.      If user does not hear back from club, can another email be sent to join, if so how frequently is user allowed to do this?

.      Time limit once every three days display timer.


**Use Case:** Search for colleges

**Name of Use Case:** *Search for colleges*

**Primary Actor:** Student or User.

**Goal in Context:** To search for other colleges offering the same or other clubs.

**Preconditions:** Internet access, Logged in

**Trigger:** Search Colleges button.

**Scenario:**

1. Search bar will be found by clicking on a search colleges button.

2. The user will be displayed with a search bar that can be entered into and click a button to search for colleges.

3. The search results will be shown to the user.

4. The user can search again or leave the page via navigation.

**Exceptions:**

1. The search couldn't be searched.

a.  Tell the user "Internet was not found."

2. The search returned nothing.

.  Display to the user "Your search returned nothing, try searching again."

3. The search was inputted with improper value (signs like +-).

.  Display to the user "Input given uses invalid signs."

**Priority:** Low priority.

**Frequency of Use:** Medium

**Open Issues:**

1. What colleges it will include.

a.  Colleges in the U.S.

2. How will clubs be searched for inside of those colleges?

.  Searching club names will bring up that club and affiliated colleges.

3. Will recent searches be shown to the user?

.          Yes, for easier use of what the user likes.

**Use Case:** Log in

**Name of Use Case:** *Log in*

**Primary Actor:** User

**Goal Context:** Provide a simple and easy user interface for users and admins to log in to their accounts, to extend their interactions with the website.

**Preconditions:** The user must be connected to the Internet. The user must already have an account.

**Trigger:** Click on the log in box for a drop-down box to appear with the interface.

**Scenario:**

1.  Client: Navigate to log in box

2.  Client: Drop down box appears

3.  Client: Interface is used to login

4.  Client: Enter email and password

5.  Client: Click log in

**Exceptions:**

1.  What happens if the login information is incorrect or invalid?

**Priority:** High

**When Available:**  Week 2

**Frequency of use:** High, but depends on users logging in or creating an account versus the

anonymous browsing user.

**Open Issues:**

1. What happens if the drop-down box does not appear?
2. What happens if the user forgets username or password?

**Use Case:** Create Account

**Name of Use Case:** *Create Account*

**Primary Actor:** User

**Goal context:** The goal of the create account use case is for those users that want to rate

clubs, leave comments and suggestions, or join clubs from the website with an email.

**Preconditions:** The user must be connected to the Internet.

**Trigger:** The user would have to click on the login and signup box for a drop-down box to

appear where the interface for both login and create an account will appear.

**Scenario:**

1. Client: Navigate to log in box
2. Client: Drop down box appears
3. Client: Navigate to create an account option
4. Client: Enter email and passwords to create a new account
5. Client: Verify account through an automated email verification

**Exceptions:**

1. What happens if the email is not valid or already been used?

2. What happens if the password is not valid?

**Priority:** High

**When available:** Week 2

**Frequency of Use:** High, depends on the influx of users willing to sign up to rate, comment, or

join clubs.

**Open issues:**

1. What happens if the email is not valid?
2. What happens if the password is not valid?
3. What happens if validation email is not validated?


**Use Case:** Log out

**Name of Use Case:** *Log out*

**Primary actor:** User

**Goal context:** The goal of the log out use case is so that the user may log out of their session

whilst on the website.

**Preconditions:** Must have an account, and must be already logged in. Must be connected to

the Internet.

**Trigger:** The user must would have to navigate to the log in box, activate the drop-down box

and manually log out of their session.

**Scenario:**

1. Navigate to log in box

2. Drop down box appears

3. Manually click log out to end session

**Exceptions:**

1. Is there a logout override where the website will log out the user automatically?

**Priority:** Medium

**When Available:** Week 3

**Frequency of use:** Medium

**Open issues:**

1. Will the user be logged out automatically when the website is closed?

2. Will the user be logged out automatically if they turn off their computer or device?

3. What screen will appear once they log out?

**Use Case:** Delete Clubs

**Name of Use Case:** *Delete Clubs*

**Primary Actor:** Administrators

**Goal in Context:** To delete or edit clubs.

**Preconditions:** Internet, must be logged in, and have sufficient rights.

**Trigger:** Admin Button or Delete button.

**Scenario:**

1. Admin will login to have rights to delete clubs.

2. Next to normal user commands will be admin command to delete clubs.

3. If Admin clicks on delete button, then they will be displayed with a prompt that asks if they

4. really want to delete the group?

5. Admin will have to put club name to confirm deleting.

6. The group will no longer be displayed.

**Exceptions:**

1. The Admin wasn't given sufficient rights.

2. No internet access.

3. Database could have potential problem with trying to delete and recreate club.

4. Club name was typed wrong.

5. Club name uses illegal characters.

**Priority:** Low priority

**Frequency of Use:** Low use

**Open Issues:**

1. What justifies deleting a club?

2. How will admin be notified of a club that needs deleting?

3. Will admin remake group after deleting?

**Use Case:** Edit/Delete Comments

**Name of Use Case:** *Edit/Delete Comments*

**Primary Actor:** User

**Goal in Context:** Allow user to edit or delete comments

**Preconditions:** Internet connectivity, user has previously entered a comment.

**Trigger:** User wants to edit or delete comment.

Scenario:

1. User views comments (Invokes View Comment use case).

2. User clicks edit button.

3. User edits their previous comment.

4. User clicks button confirming they want to confirm the change.

5. Admin clicks delete comment because he/she cannot edit it to an acceptable standard that

   the college accepts.

6. Admin clicks edit comment because the comment violates college guidelines.

7. Admin edits the comment so that it is within college guidelines.

**Exceptions:**

1. Database connection is invalid: Error message displayed.

2. No Internet connection: Error message displayed.

**Priority:** High

**When Available:** Week 4

**Frequency of Use:** Not often

**Open Issues:**


**Use Case:** Give Rating/Comment/Suggestion

**Name of Use Case:** *Give Rating/Comment/Suggestion*

**Primary Actor:** User

**Goal in Context:** User wants to leave a comment/rating/suggestion.

**Preconditions:** Internet connectivity, user is signed in.

**Trigger:** User writes out a comment or suggestion, or leaves a rating.

**Scenario:**

1. User views club (Invokes View Club use case).

2. User clicks on the club that they want to review.

3. User types a comment/suggestion into the text box, and clicks the rating they want to

   leave for the club.

4. User clicks button that confirms that they want to leave the rating/comment/suggestion

   that

5. they entered.

Exceptions:

1. Database connection is invalid:

   1. Solution: Error message displayed.

2. Comment/suggestion contains keyword or phrase that is inappropriate.

3. If user enters a comment, but not a rating

      1. Solution: Error messages that says: "cannot enter a comment without a rating!"

**Priority:** Essential

**When Available:** Week 4

**Frequency of Use:** Very often

**Open Issues:**

<div align="center">

**Use Case:** Reset Password

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**Name of Use Case:** *Reset Password*

**Primary Actor:** User

**Goal in Context:** User wants to reset password because he/she has forgotten theirs.

**Preconditions:** Internet connectivity, user has forgotten their password.

**Trigger:** User clicks "forgot my password".

**Scenario:**

1. User is on main screen (Invokes View Main Screen use case).

2. User clicks on log in (Invokes Log In use case).

3. User clicks "forgot password".

4. User enters the email that they entered when they created their account (Invokes Create Account use case).

5. Database sends a temporary password to the email entered.

6. User changes password (Invokes Change Password use case).

**Exceptions:**

1. Database connection is invalid: Error message displayed.

2. No Internet connection: Error message displayed.

**Priority:** Medium

**When Available:** Week 8

**Frequency of Use:** Not often

**Open Issues:**

# Glossary:

**Account:** a username, password, email address, and privileges associated with a user

**Administrator (Admin):** a user that has administrative privileges that include being able to add, edit, and delete clubs and the associated information in addition to the abilities of a standard user

**Club Description:** the section where miscellaneous information not covered by other fields is placed in the club entry

**Comment:** a section where a logged user may type information regarding their rating of a club, viewable after searching

**Credentials:** the username, password, and email address used to validate an account by comparison with the database

**Logged User:** a user that has created and logged into an account, allowing them to leave ratings, comments, and suggestions in addition to the abilities of a standard user

**Password:** a String with at least 6 characters (one being in capital case and another being a special character for administrator accounts) used to authenticate and authorize actions

**Rating:** a integer between 1 and 5 used to describe the quality of a club, viewable after searching; also known as "stars"

**Suggestion:** a section where a logged user can provide solutions to perceived problems with a club as part of a rating, viewable by search

**User:** a person using the application, which has the ability to search for clubs and to view ratings, comments, and suggestions

**Username:** a user-designated identifier associated with an account, used to authenticate log in attempts and show which user left a particular rating