INTRODUCTION

Gaucho OrganAppZation is a web application to help incoming college students to select the club(s) that would best match them. Unlike similar club searching platforms, this recommender sorts relevant organizations by their ratings and allows for peer reviews. Critically, Gaucho OrganAppZation tailors the results to best fit the students’ unique interests and desires based on personalized queries.

PROJECT OVERVIEW

College freshmen struggle to discover which organizations or clubs to join, based on their interests, personality, and career aspirations. Current club-recommending technologies are unoptimized. For instance, these technologies do not rank organizations or clubs. And most prototype software to do such things take objective parameters to judge a subjective choice (like picking a club/organization) and do not take into account unique personality and corporate culture at certain clubs that students would prefer. These technologies fall short in terms of creating a diverse pool of statements that relevantly describe a club or organization, yet not overflood the users of this app with content. In short, relevancy and conciseness are an unseen combination for these apps.

Gaucho OrganAppZation is a web app that promises to bridge the gap between relevancy and conciseness for these students. The app splits clubs by category and narrows down students’ searches using objective parameters such as quantitative scores out of 5 stars to give a threshold of clubs that a student should go after. In order to aid the student in picking the club based on factors that objective ratings cannot give, the app appropriately matches a subjective choice with subjective parameters, such as...
smartly and economically placed hashtags that shadow a club’s name, as well as certain keywords that give indication of certain properties of a club the students would like. Comments by other students who previously or currently are in the club will best tell students about factors of the club students may or may not enjoy. By using both objective and subjective parameters, club recommender accurately picks organizations that a student not only will succeed in, but will take pleasure in and become a part of its unique culture.

In conclusion, Gaucho OrganAppZation helps indecisive students - based on his or her answers to personality questions, the app can spontaneously give a club/organization choice of “best fit.”

**REQUIREMENTS**

**User Story (#1) :** As a user, I can search for a club based on its name.
**Estimate:** 10 days
**Acceptance test:** Scenario 1 -
Name of the club is present in our database.
The app looks for the name in the database and displays its details on the screen
**Tasks :** [https://github.com/NathanWoo/CS48/projects/1#card-20102461](https://github.com/NathanWoo/CS48/projects/1#card-20102461)

**User Story (#2) :** As a student, I can search for clubs based on a keyword so that I can get all the clubs related to a specific topic.
**Estimate :** 3 days
**Acceptance test:** Scenario 1-
Keyword is invalid like "qwerty"
There are no clubs related to the keyword "qwerty"
The web app informs the user of the same.

**User Story (#3) :** As the software developer, I will make a firebase to store our clubs and profiles.
**Estimate:** 1 days
**Acceptance test:**
1. Can see that our firebase has a clear url
2. Can manually add nodes to the tree in firebase
**User Story (#4):** As a user, I can review all categories of UCSB clubs, and after I click in a specific category, the webpage will list all clubs in this category with the rating score higher than 3.

**Estimate:** 4 days

**Acceptance test:**
1. In a single webpage, user can find clubs by clicking buttons for different categories of clubs listed on the webpage.
2. After click on some specific button, the webpage will list all clubs belonging to this category with a score higher than 3 (full score is 5).

**Tasks:** [https://github.com/NathanWoo/CS48/projects/1#card-20415063](https://github.com/NathanWoo/CS48/projects/1#card-20415063)

**User Story (#5):** As the software developer, I can connect the firebase to working Node.JS code so that I can make user profiles.

**Estimate:** 4 Days

**Acceptance test:**
1. Connecting to the database with the correct API key and URL should print out “connected”.
2. Putting the wrong API key and URL should print out “not connected, exiting”.

**Tasks:** [https://github.com/NathanWoo/CS48/projects/1#card-21249672](https://github.com/NathanWoo/CS48/projects/1#card-21249672)

**User Story (#6):** As the software developer, I can add and delete values in the firebase so that I can add new users or clubs.

**Estimate:** 2 days

**Acceptance test:**
1. Sending a request via a function called addclub() should be able to add a club with the following attributes: Name, keyword, and rating, all of which are provided.
2. Attempting to add a club with one or more of these attributes should lead to the addition of a club with only the indicated values.
3. Attempting to add a club with no values shouldn’t add a club at all.

**Tasks:** [https://github.com/NathanWoo/CS48/projects/1#card-20415182](https://github.com/NathanWoo/CS48/projects/1#card-20415182)

**User Story (#7):** As the software developer, I can request to read certain values by sending the node’s identifier

**Estimate:** 3 days
Acceptance Test:
1. Sending the name of a node should successfully fetch its description.
2. Attempting to send an inquiry for a node that doesn’t exist should print “node doesn’t exist”
Tasks: https://github.com/NathanWoo/CS48/projects/1#card-20415149

User Story(#8): As a student, I can click a button so I that I can see a full list of all the clubs on UCSB campus.
**Estimate:** 2 days
**Acceptance test:**
1. If I click the Cubs List button on the home page, I will be directed to another web page that shows me all the clubs on UCSB campus.
2. If I don’t click the Club List button, I will stay at the home page of the UCSB Club Recommender

User Story(#9): As a student, I can click a sort button so I will be able to see a list of ranked clubs based on the rating scores each club has
**Estimate:** 3 days
**Acceptance test:**
1. Once I click the [Rank By Rating] Button I’ll see a sorted club list at the current web page.
2. If I choose to not click the button, I’ll remain at the current page and browse freely what clubs are there at UCSB

User Story(#10): As a UCSB student, I want to write a comment, rate a club or do both based on my experience at that club.
**Estimate:** 4 days
**Acceptance test:**
1. If I only want to rate the club, I click the review button to give the club a rating on the 1-5 scale and click submit
2. If I only want to give some comments to the club, I click the review button and write down some words no more than 140 words, then I click submit.
3. If I want to write a comment and give this club a rating, I will click the review button, write down some words that are not more than 140 words then rate the club on the scale of 1-5, at last, I’ll click the submit button to upload my review
4. If I didn’t rate or write any comments to the club but still clicked the submit message, I’ll get a message saying "please leave a comment or give a rating"

PROJECT MILESTONES

● Build a user-friendly GUI
● Firebase - Build a firebase implementation that stores all UCSB clubs/organizations and works in conjunction with a recommendation system and comment system
● Frontend - search bar, category pick (genre of clubs), rating system interface, comment system interface

HIGH LEVEL DIAGRAM
Welcome to UCSB

Get Involved! Now is the time to explore your interests and have fun at the same time. There are many opportunities for you to get involved.

What does this app do?

UCSB Club Recommender is a web application to help incoming college students to select the club(s) that would best match them. Unlike similar club searching platforms, this recommender sorts relevant organizations by their ratings and allows for peer reviews. Critically, UCSB Club Recommender tailors the results to best fit the students' unique interests and desires based on personalized queries.

Search by Keyword
Search for Clubs based on Keywords!

Review System
Rate and Give Feedback for a club you have been a part of.

Best Fit Club
Find the best suited club based on personality questions.
TOOLS

- **Languages**: JavaScript, NodeJS
- **Web Technology**: HTML, CSS, Firebase
- **Version Control**: GitHub
- **Project Management**: Github Project, Google Drive
- **Communication**: Slack

Github: [https://github.com/NathanWoo/CS48](https://github.com/NathanWoo/CS48)

Travis-ci: [https://travis-ci.org/NathanWoo/CS48](https://travis-ci.org/NathanWoo/CS48)

Slack: [cs48projectgroup.slack.com](https://cs48projectgroup.slack.com)