# Group Project Report

# Application: College Event Website

COP 4710 Spring 2022

Group: Erik Bates, Jacob Parrish

# Project Description

The purpose of this project is to create a user-friendly application that allows students from different universities to connect with each other to set up and attend various different types of events around and off campus. UCF already has a website dedicated to listing events for UCF students around the campus, but this project aims to streamline the process of creating, hosting, and attending events so that students at this university can more easily find events that they are interested in attending and connect with people who have similar interests. This project also aims to increase the scope of people who are able to look at the events created at UCF, while allowing students and people from any university or otherwise to be able to connect with UCF students and events hosted at UCF.

In most cases, events at universities are organized by students, and to create events, students may group together to form RSOs (Registered Student Organizations) which can be from different student organizations, including but not limited to, clubs and fraternities/sororities. This website and application hopes to provide the accessibility to these events to any student who wishes to attend the events or create one themselves with other like-minded students. Students may use this web application on their web browser to register an account. Once any student or faculty member registers an account on this web application, they will also create a user ID and password. They will be able to browse any event listed on the UCF website, join an RSO, and create events once they have joined an RSO. In order to create events, students will need to be part of an RSO, and one member will be selected as an admin of the RSO which will allow them to host the event. Along with Users and admins, there will be *super admins* which will be certain faculty members who are a part of the university and will be able to create universities for the application and sign approval for certain events that require it.

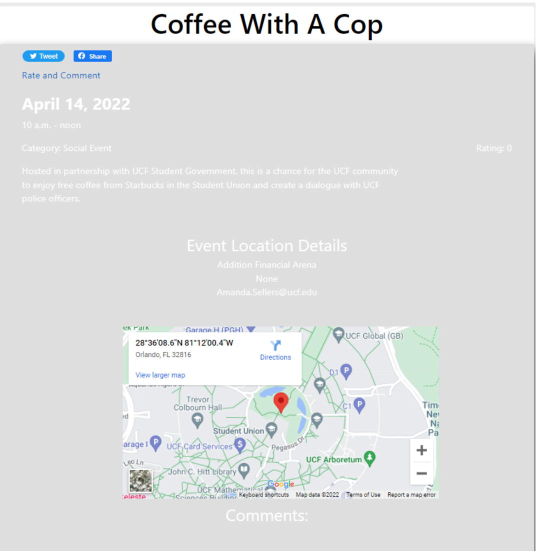
People who join the website will be a part of three different roles, *user, admin,* and *super admin.* Users are students, regardless of university, who register an account and are able to view any event on the website and join the university that they belong to. Any user can also request to join an RSO if they would like, which would have to be approved by the admin of the respective RSO. Any user is also allowed to create an event if they wish, however, they will first need to be a part of an existing RSO or create one specific for the event they wish to create. If users wish to create an RSO for hosting an event, the user that creates the RSO to host the event will be promoted to the admin for that RSO, which will allow them to create the event and have other users join/view their event. Lastly, *super admins* are the only ones with the permission to create universities for the website for students belonging to that respective university to join. Super admins can approve events that require permission, such as special events created without an RSO, as well as create the profile for each university, complete with a description, location, number of students attending, as well as upload pictures for the university, etc.

Regardless of the purpose or content of the event, whether it is for fundraising, music, giving speeches, or any other purpose, the event will either be a public, private, or RSO event. A public event allows any User to view the event on the website and attend if they wish. Private events are only able to be viewed by students who belong to the same university that is hosting the private event. Lastly, RSO events are events that are only able to be viewed by users who belong to the RSO that is hosting the event. For every event created, there will be a profile with information all about the event. This includes the name of the event, a description, location of the event, time and date, contact information for the hosting party, such as an email address and phone number, and an indicator for the event that specifies if it is a public, private, or RSO event. Users will be able to create comments on any event they wish and will be allowed to delete or edit their own comments. Additionally, users will also be able to rate any event 1 through 5 stars.

# GUI

The Graphical User Interface used to view the College Events Web Application is a website that users can connect to from their web browsers on their device. When a user first connects to the site, they will be greeted with a page prompting them to register an account or log in to their existing account. Once they log in to the site, they will see the home page listing the events that are available to attend, in order to see events specific to a university, they will have to select their university from the "University" drop down menu. Other pages viewable on the website aside from "View Events"  include: Universities, User Profile, RSOs, and more.

The website was created using HTML, as well as the styling of the website, along with CSS. Python was used for the majority of the code to facilitate and join together the website and the database. Some features, for example the integration with Maps, used JavaScript. The Database Management System used for this project was SQLite. We chose to use SQLite over MySQL because it is a database that is serverless and runs as part of the application, and we thought this would make it easier to work with for the purpose of this web application and database.



Coffee With A Cop

Rate and Comment

April 14, 2022

10 a.m. - noon

Category: Social Event

Rating: 0

Hosted in partnership with UCF Student Government, this is a chance for the UCF community to enjoy free coffee from Starbucks in the Student Union and create a dialogue with UCF police officers.

Event Location Details

Addition Financial Arena

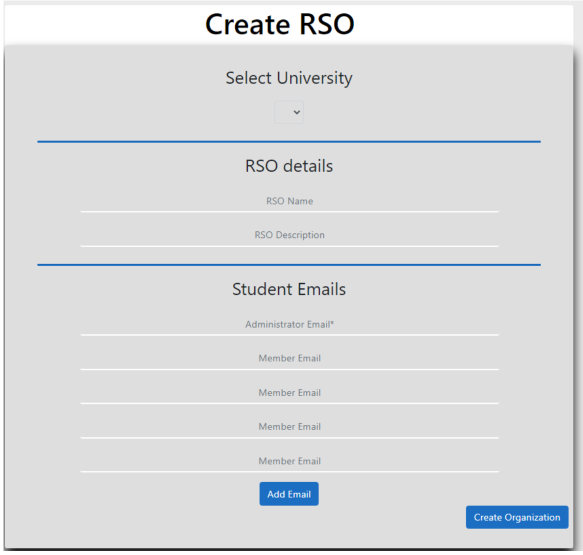
None

Amanda.Sellers@ucf.edu

28°36'08.6"N 81°12'00.4"W

Orlando, FL 32816

Comments:



Create RSO

Select University

RSO details

RSO Name

RSO Description

Student Emails

Administrator Email*

Member Email

Member Email

Member Email

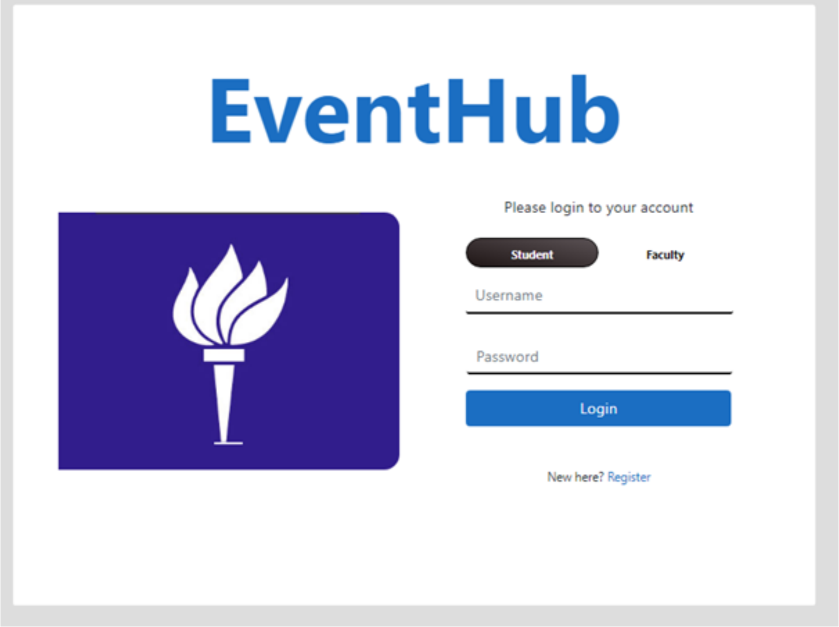
Member Email

Screenshot showing View Event page

Screenshot showing Create RSO page

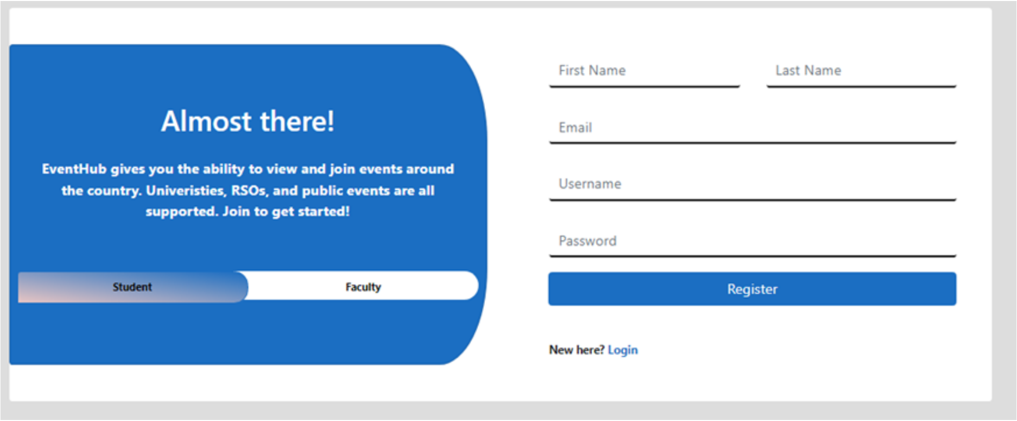
# GUI For Login and Registering an Account

When students go to the website, they will first be met with a page prompting them to sign into their accounts registered with the website, or if they do not have one, they will first register an account to be able to use the website. If the person logging is a member of the faculty of their university, they will have an option on the login/register page that will grant them their respective privileges and allow them to create a page for their university.



Please login to your account

Screenshot showing login page

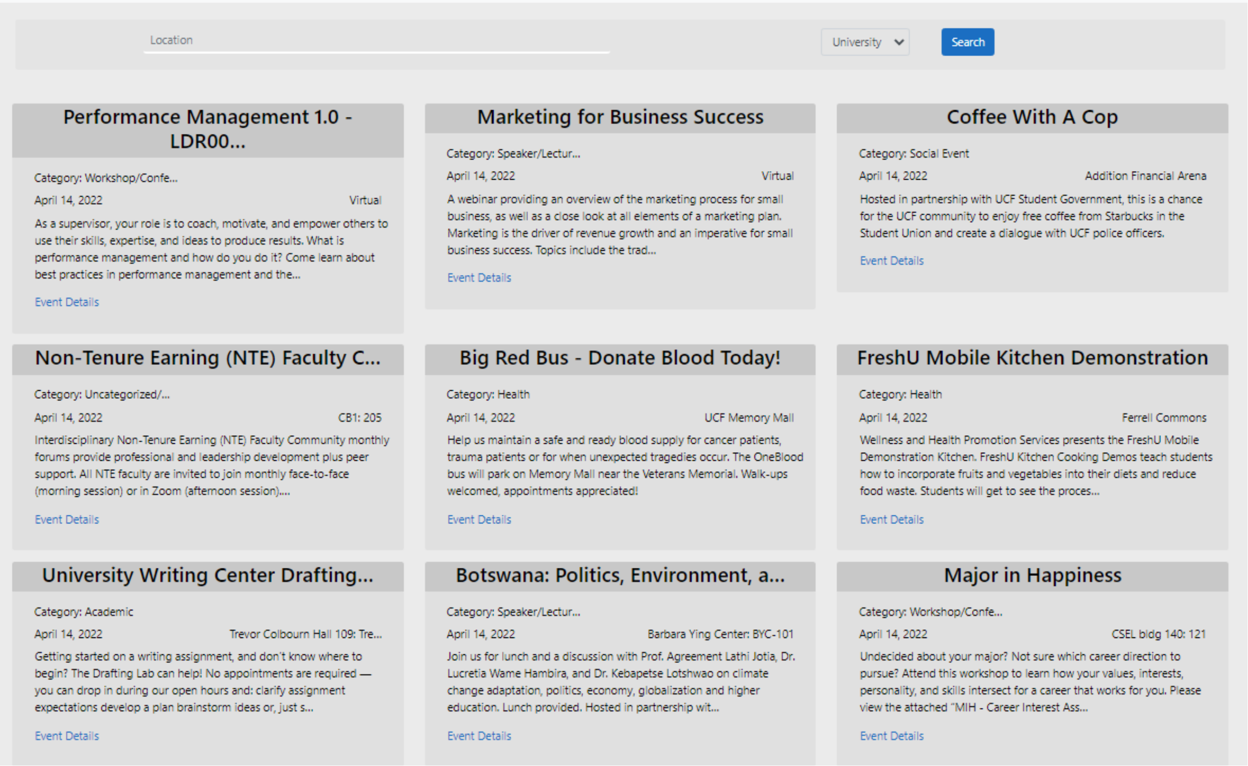

Almost there!

EventHub gives you the ability to view and join events around the country. Univeristies, RSOs, and public events are all supported. Join to get started!

Screenshot of the register account page

# GUI For Event Page

At the Events page of the website, students, users, or anyone on the website will be able to view the many events listed on the website here. These events on this page are all approved and official events created, and different users will be able to see different events depending on their permission level. Users will also be able to use the search bar to search through the different events listed on the site.



**Performance Management 1.0 - LDR00...**

Category: Workshop/Confe...

April 14, 2022 Virtual

As a supervisor, your role is to coach, motivate, and empower others to use their skills, expertise, and ideas to produce results. What is performance management and how do you do it? Come learn about best practices in performance management and the...

Event Details

**Marketing for Business Success**

Category: Speaker/Lectur...

April 14, 2022 Virtual

A webinar providing an overview of the marketing process for small business, as well as a close look at all elements of a marketing plan. Marketing is the driver of revenue growth and an imperative for small business success. Topics include the trad...

Event Details

**Coffee With A Cop**

Category: Social Event

April 14, 2022 Addition Financial Arena

Hosted in partnership with UCF Student Government, this is a chance for the UCF community to enjoy free coffee from Starbucks in the Student Union and create a dialogue with UCF police officers.

Event Details

**Non-Tenure Earning (NTE) Faculty C...**

Category: Uncategorized/...

April 14, 2022 CB1: 205

Interdisciplinary Non-Tenure Earning (NTE) Faculty Community monthly forums provide professional and leadership development plus peer support. All NTE faculty are invited to join monthly face-to-face (morning session) or in Zoom (afternoon session)....

Event Details

**Big Red Bus - Donate Blood Today!**

Category: Health

April 14, 2022 UCF Memory Mall

Help us maintain a safe and ready blood supply for cancer patients, trauma patients or for when unexpected tragedies occur. The OneBlood bus will park on Memory Mall near the Veterans Memorial. Walk-ups welcomed, appointments appreciated!

Event Details

**FreshU Mobile Kitchen Demonstration**

Category: Health

April 14, 2022 Ferrell Commons

Wellness and Health Promotion Services presents the FreshU Mobile Demonstration Kitchen. FreshU Kitchen Cooking Demos teach students how to incorporate fruits and vegetables into their diets and reduce food waste. Students will get to see the proces...

Event Details

**University Writing Center Drafting...**

Category: Academic

April 14, 2022 Trevor Colbourn Hall 109: Tre...

Getting started on a writing assignment, and don't know where to begin? The Drafting Lab can help! No appointments are required — you can drop in during our open hours and: clarify assignment expectations develop a plan brainstorm ideas or, just s...

Event Details

**Botswana: Politics, Environment, a...**

Category: Speaker/Lectur...

April 14, 2022 Barbara Ying Center: BYC-101

Join us for lunch and a discussion with Prof. Agreement Lathi Jotia, Dr. Lucretia Wame Hambira, and Dr. Kebapetse Lotshwao on climate change adaptation, politics, economy, globalization and higher education. Lunch provided. Hosted in partnership wit...

Event Details

**Major in Happiness**

Category: Workshop/Confe...

April 14, 2022 CSEL bldg 140: 121

Undecided about your major? Not sure which career direction to pursue? Attend this workshop to learn how your values, interests, personality, and skills intersect for a career that works for you. Please view the attached "MIH - Career Interest Ass...

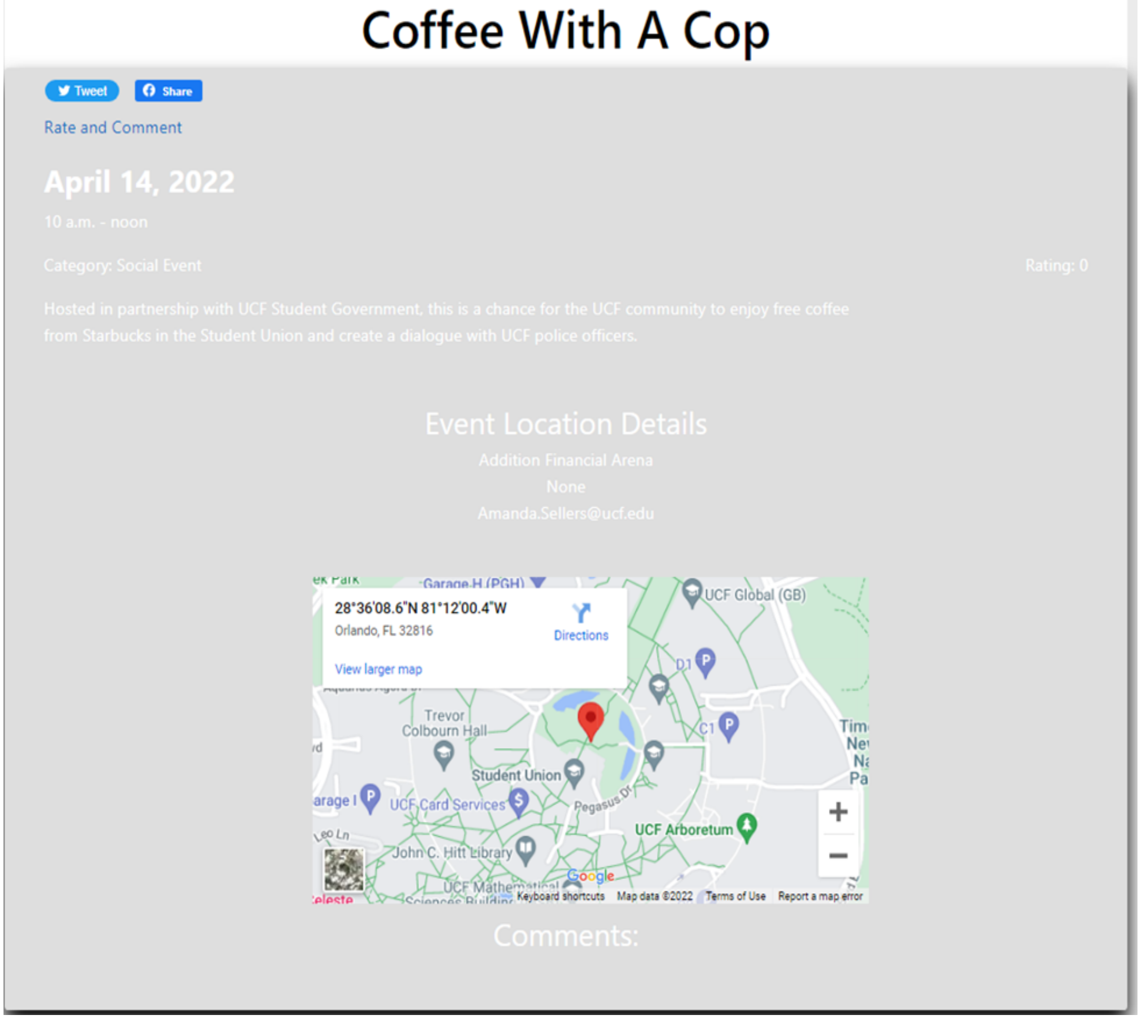
Event Details

Screenshot showing the Events Page with multiple events listed.

From this page, users will see all the information about any event they select, such as name, location, date and time, and a description of the event. From here they will also be able to write comments on the event, as well as see ratings and comments written by other users.

Super admins will have a slightly different view of the Events Page, as they are allowed to approve or deny certain events, such as when an event is created without an RSO.

# Example Event Page



## Coffee With A Cop

Rate and Comment

### April 14, 2022

10 a.m. - noon

Category: Social Event

Rating: 0

Hosted in partnership with UCF Student Government, this is a chance for the UCF community to enjoy free coffee from Starbucks in the Student Union and create a dialogue with UCF police officers.

### Event Location Details

Addition Financial Arena
None
Amanda.Sellers@ucf.edu

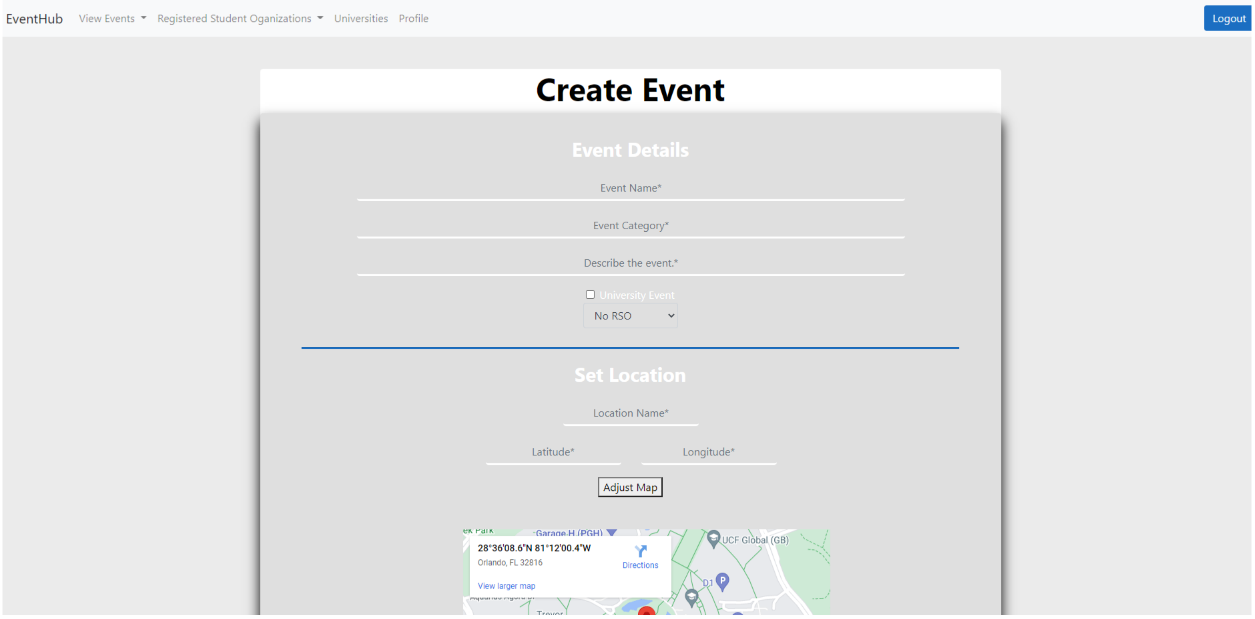
28°36'08.6"N 81°12'00.4"W
Orlando, FL 32816

### Comments:

Screenshot showing a full event page, along with all the information about the event.

# Create Event GUI

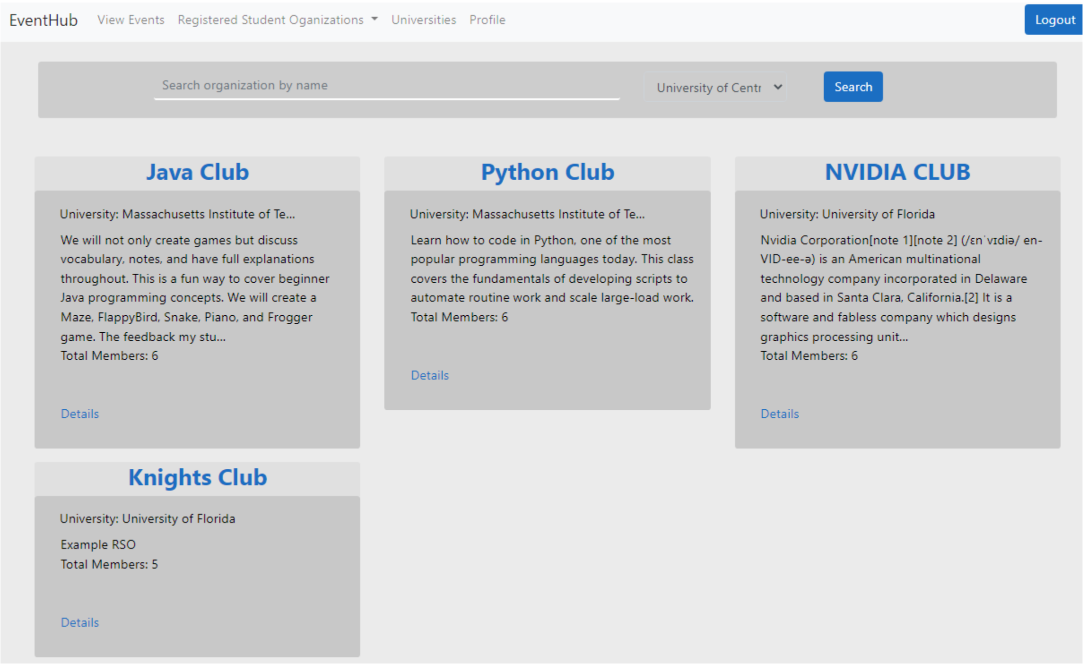
Through the Create Event page, admins who are a part of an RSO can create an event if they wish, which will either be public, private, or an RSO event. This page will allow the admin to include all the necessary information about the event, such as the event name, category (public, private, RSO event), a description for the event, the RSO involved with the event, location, date and time of the event, and relevant contact information for the people hosting the event.



Screenshot of the Create Event Page.

# GUI for RSOs

The website will hold a page dedicated to RSOs so that any user may see any and all RSOs already registered to the site. From here, they can search for RSOs by name, or by university they belong to. Users will also be able to request to join an RSO of their choosing.



Java Club

University: Massachusetts Institute of Te...

We will not only create games but discuss vocabulary, notes, and have full explanations throughout. This is a fun way to cover beginner Java programming concepts. We will create a Maze, FlappyBird, Snake, Piano, and Frogger game. The feedback my stu...
Total Members: 6

Details

Python Club

University: Massachusetts Institute of Te...

Learn how to code in Python, one of the most popular programming languages today. This class covers the fundamentals of developing scripts to automate routine work and scale large-load work.
Total Members: 6

Details

NVIDIA CLUB

University: University of Florida

Nvidia Corporation[note 1][note 2] (/ɛnˈvɪdiə/ en-VID-ee-ə) is an American multinational technology company incorporated in Delaware and based in Santa Clara, California.[2] It is a software and fabless company which designs graphics processing unit...
Total Members: 6

Details

Knights Club

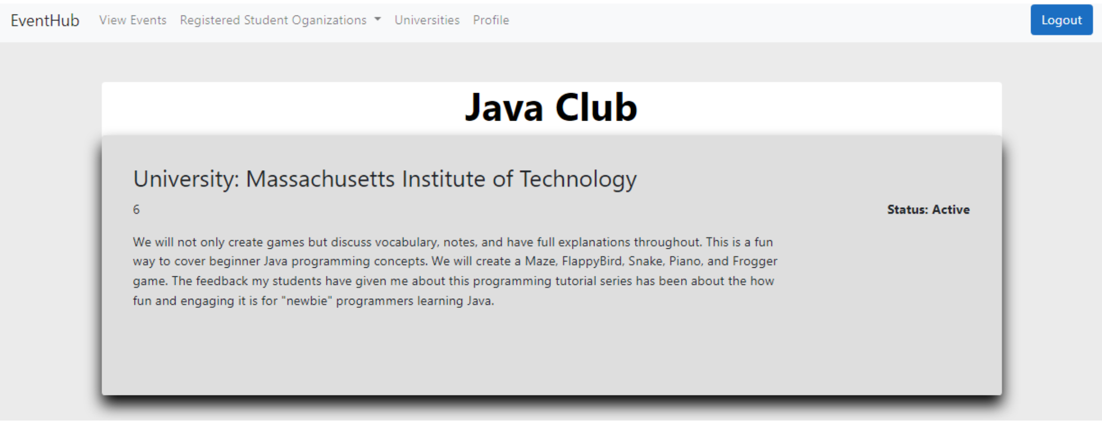
University: University of Florida

Example RSO
Total Members: 5

Details

Screenshot showing the RSO page and search function to find RSOs.

There will also be an option on this page for users to create their own RSOs, this will promote the user who goes to create an RSO to admin, so that they will be able to take charge of that RSO and create an event. The admin will also have the ability to delete any RSOs that they are admin of.



Java Club

University: Massachusetts Institute of Technology

6

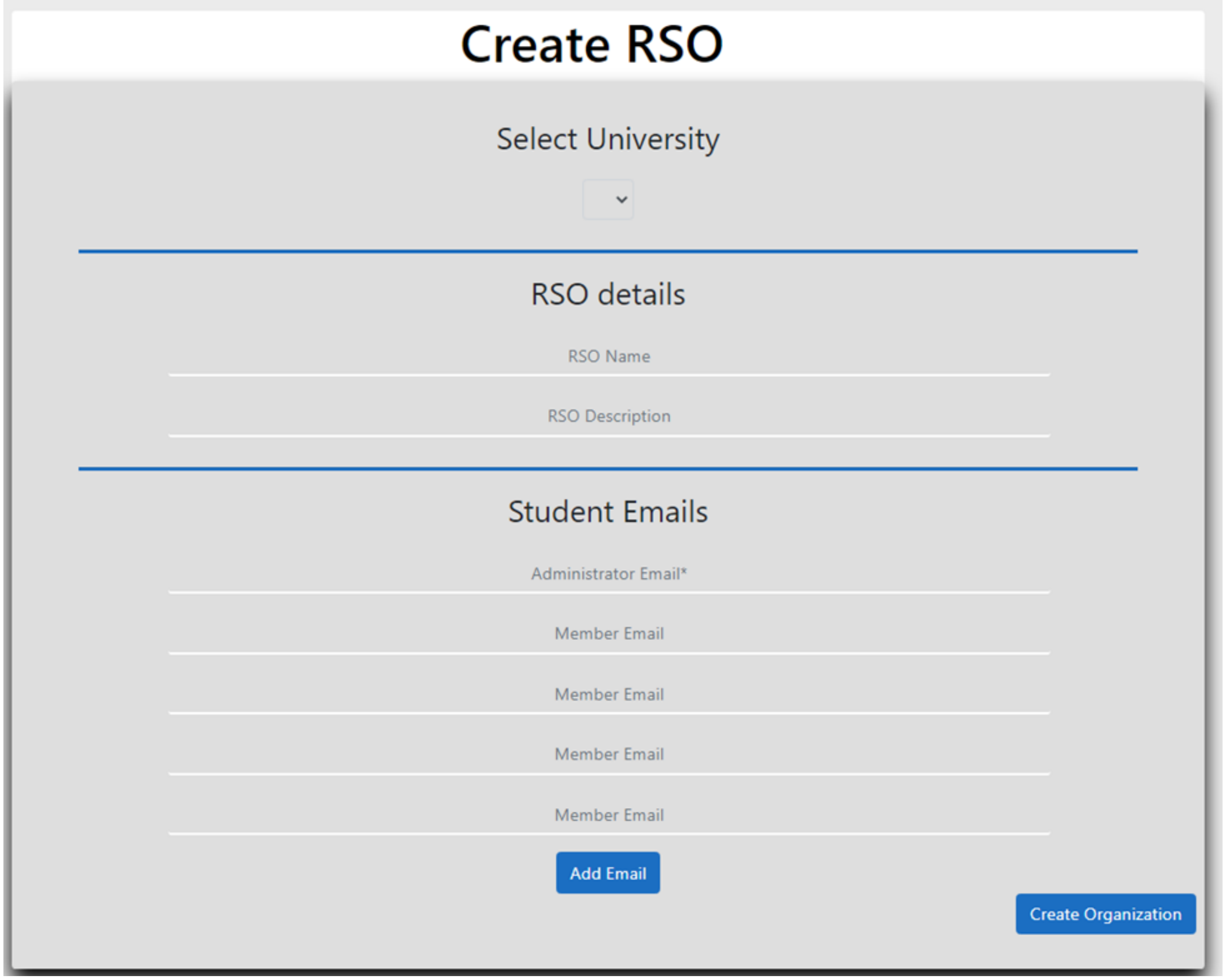
Status: Active

We will not only create games but discuss vocabulary, notes, and have full explanations throughout. This is a fun way to cover beginner Java programming concepts. We will create a Maze, FlappyBird, Snake, Piano, and Frogger game. The feedback my students have given me about this programming tutorial series has been about the how fun and engaging it is for "newbie" programmers learning Java.

Screenshot showing an RSO description in the RSO Page.

# Create RSO GUI

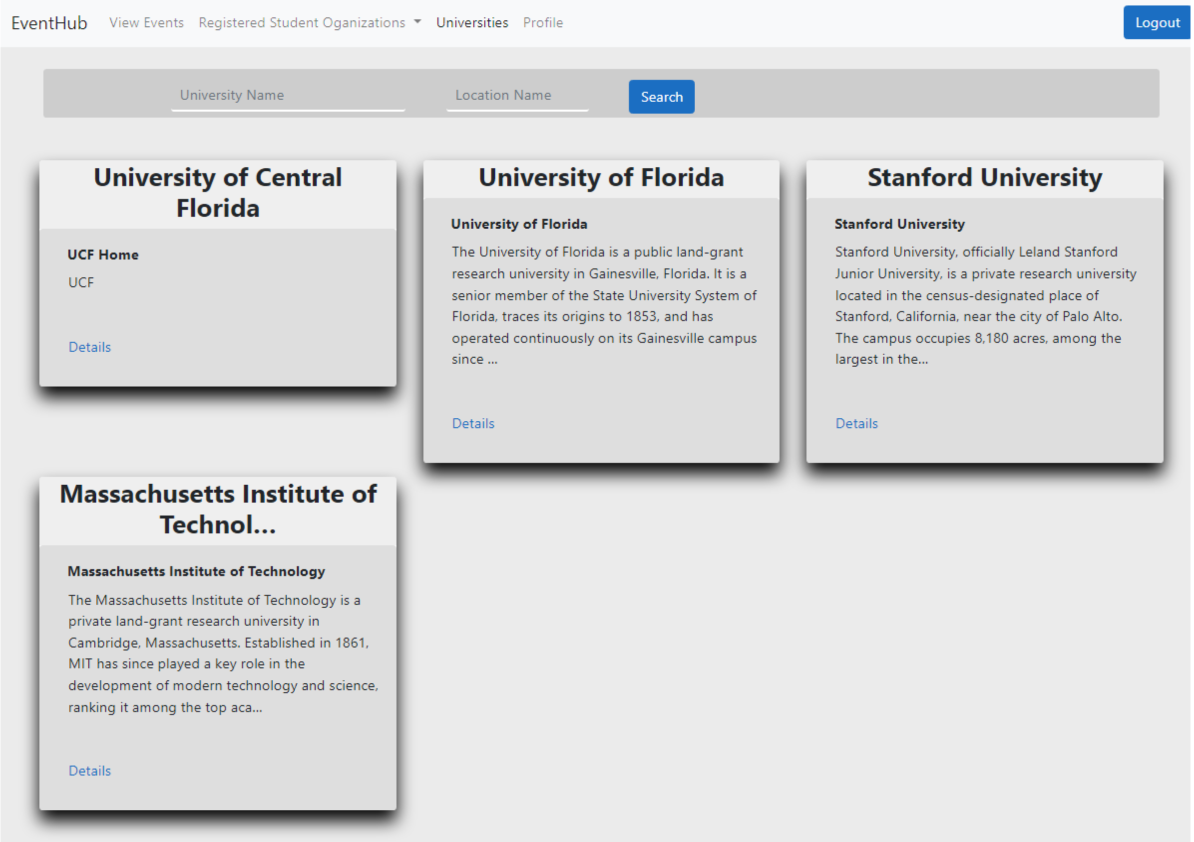
Similar to the Create Events page, users who are admins will be allowed to create an RSO to be able to host events. This page will allow users to include details about the RSO they are creating, such as an RSO name, and description, as well as identify which university the RSO belongs to. Additionally, they will be able to list their admin name and email, as well all the members' name and email addresses that are apart of the RSO. All of the members of an RSO must have the same email domain as the admin.



Screenshot showing the page where Users will create their own RSOs.

# GUI for Universities

From the Universities page, all Users of the website will be able to view the available universities that have accounts set up by super admins of their respective university. From here, they can use the search bar to find any university they choose, provided they have an account with the website.



University of Central Florida

UCF Home

UCF

Details

University of Florida

University of Florida

The University of Florida is a public land-grant research university in Gainesville, Florida. It is a senior member of the State University System of Florida, traces its origins to 1853, and has operated continuously on its Gainesville campus since ...

Details

Stanford University

Stanford University

Stanford University, officially Leland Stanford Junior University, is a private research university located in the census-designated place of Stanford, California, near the city of Palo Alto. The campus occupies 8,180 acres, among the largest in the...

Details

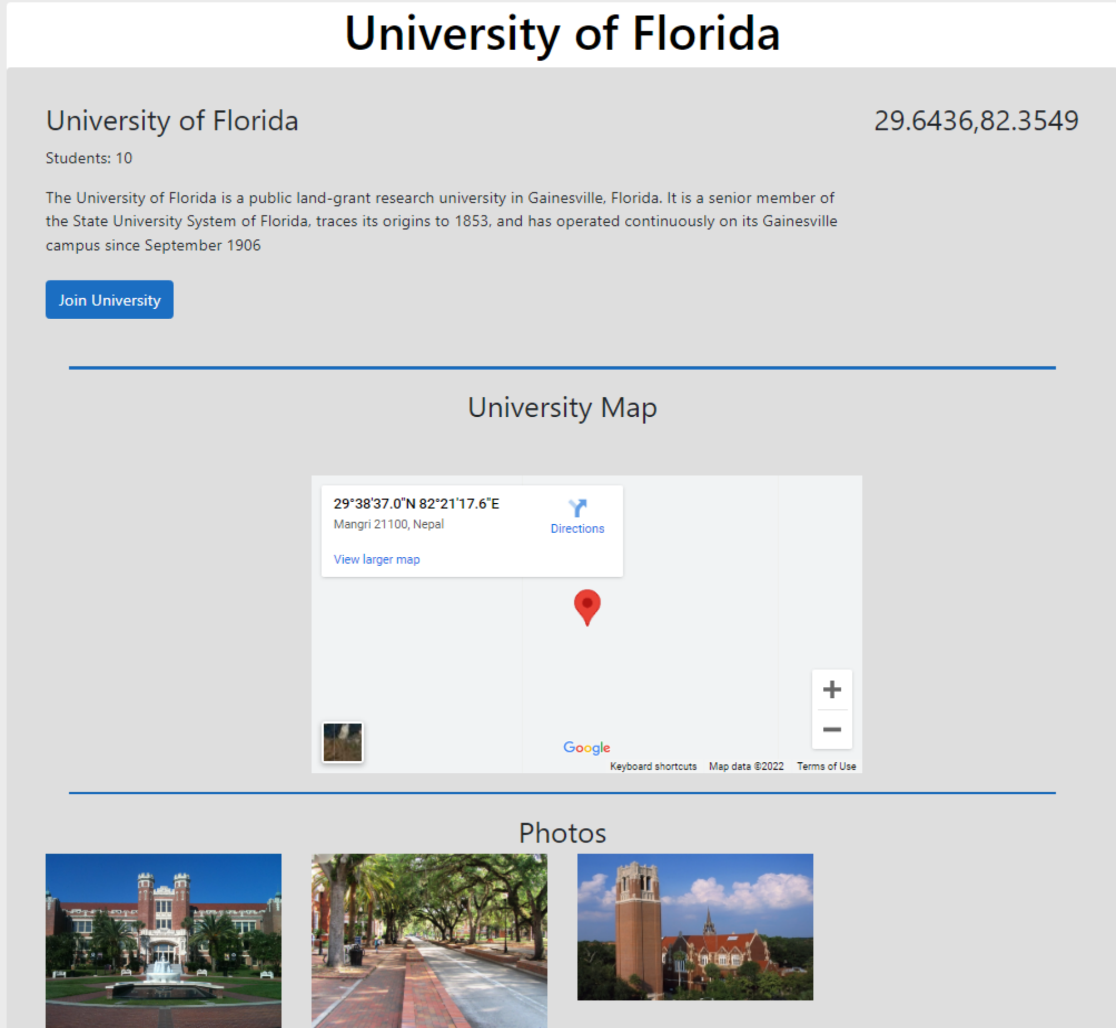
Massachusetts Institute of Technol...

Massachusetts Institute of Technology

The Massachusetts Institute of Technology is a private land-grant research university in Cambridge, Massachusetts. Established in 1861, MIT has since played a key role in the development of modern technology and science, ranking it among the top aca...

Details

Screenshot showing various universities with profiles set up on the website.



# University of Florida

## University of Florida

29.6436,82.3549

Students: 10

The University of Florida is a public land-grant research university in Gainesville, Florida. It is a senior member of the State University System of Florida, traces its origins to 1853, and has operated continuously on its Gainesville campus since September 1906

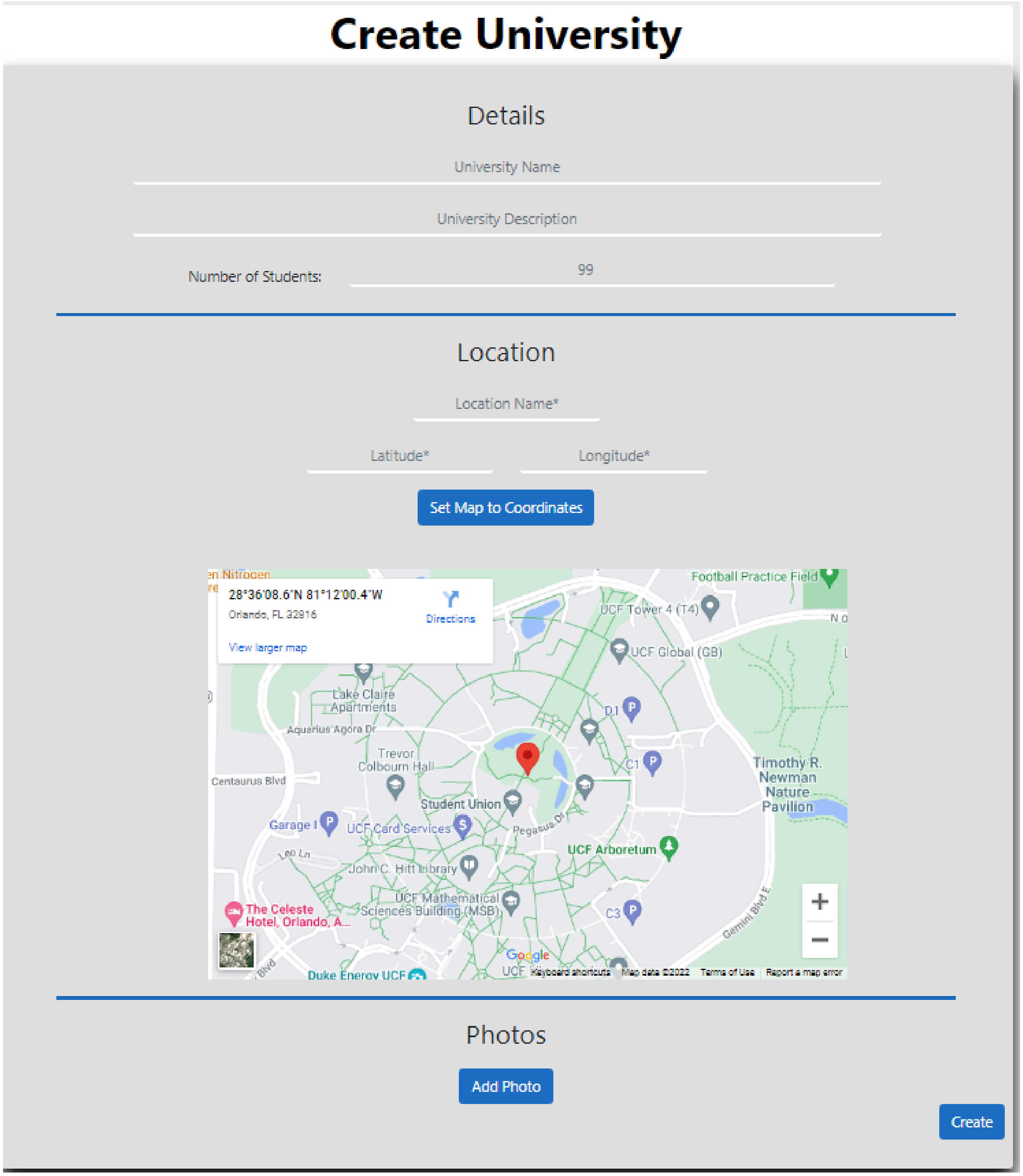
## University Map

29°38'37.0"N 82°21'17.6"E
Mangri 21100, Nepal

## Photos

Screenshot showing the example university profile for UF.

Additionally, each available university will have another page dedicated to it with a description, number of students, pictures of the university, etc. Users who are students and or admins will be able to join the university that they attend, and super admins will create this page for their respective university, as well as edit/delete the page if they wish.



Create University

Details

University Name

University Description

Number of Students: 99

Location

Location Name*

Latitude*

Longitude*

Set Map to Coordinates

28°36'08.6"N 81°12'00.4"W
Orlando, FL 32816

Photos

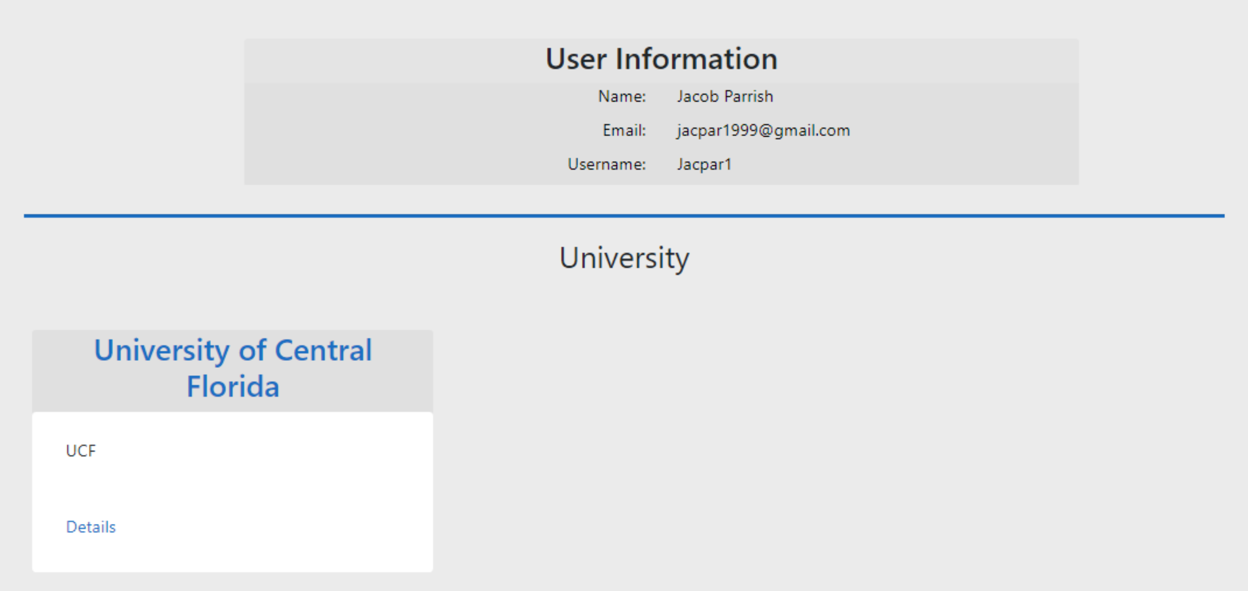
Add Photo

Create

Screenshot of the Create University Page for UCF (super admin only)

# GUI For User Profile

When Users register an account or login to the website, they will be able to see their account details, as well as edit/include details about themselves, such as their account name, real name, email, RSOs they are a part of, as well as the university that they attend.



User Information

| | |
|---|---|
| Name: | Jacob Parrish |
| Email: | jacpar1999@gmail.com |
| Username: | Jacpar1 |

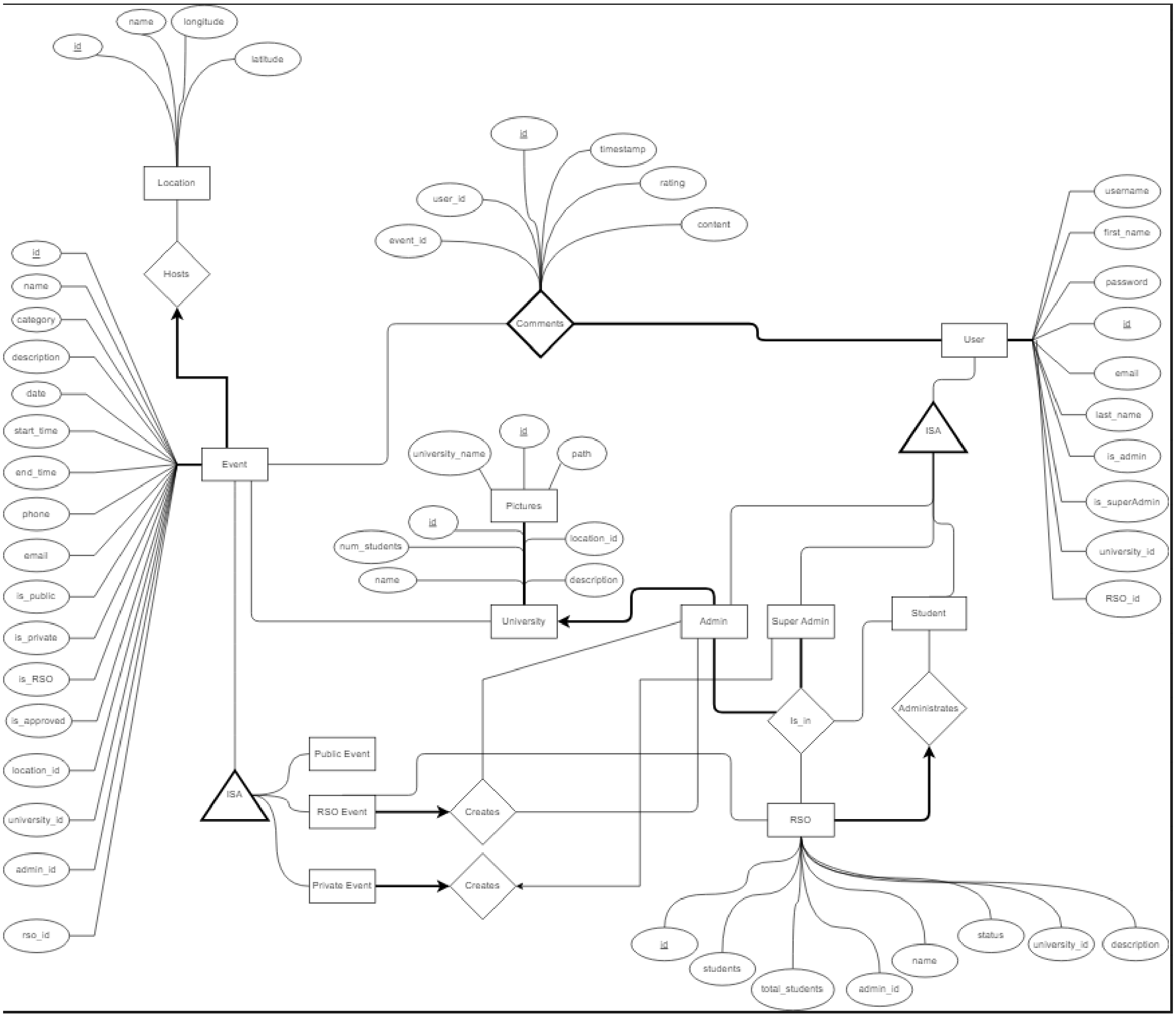
University

University of Central Florida

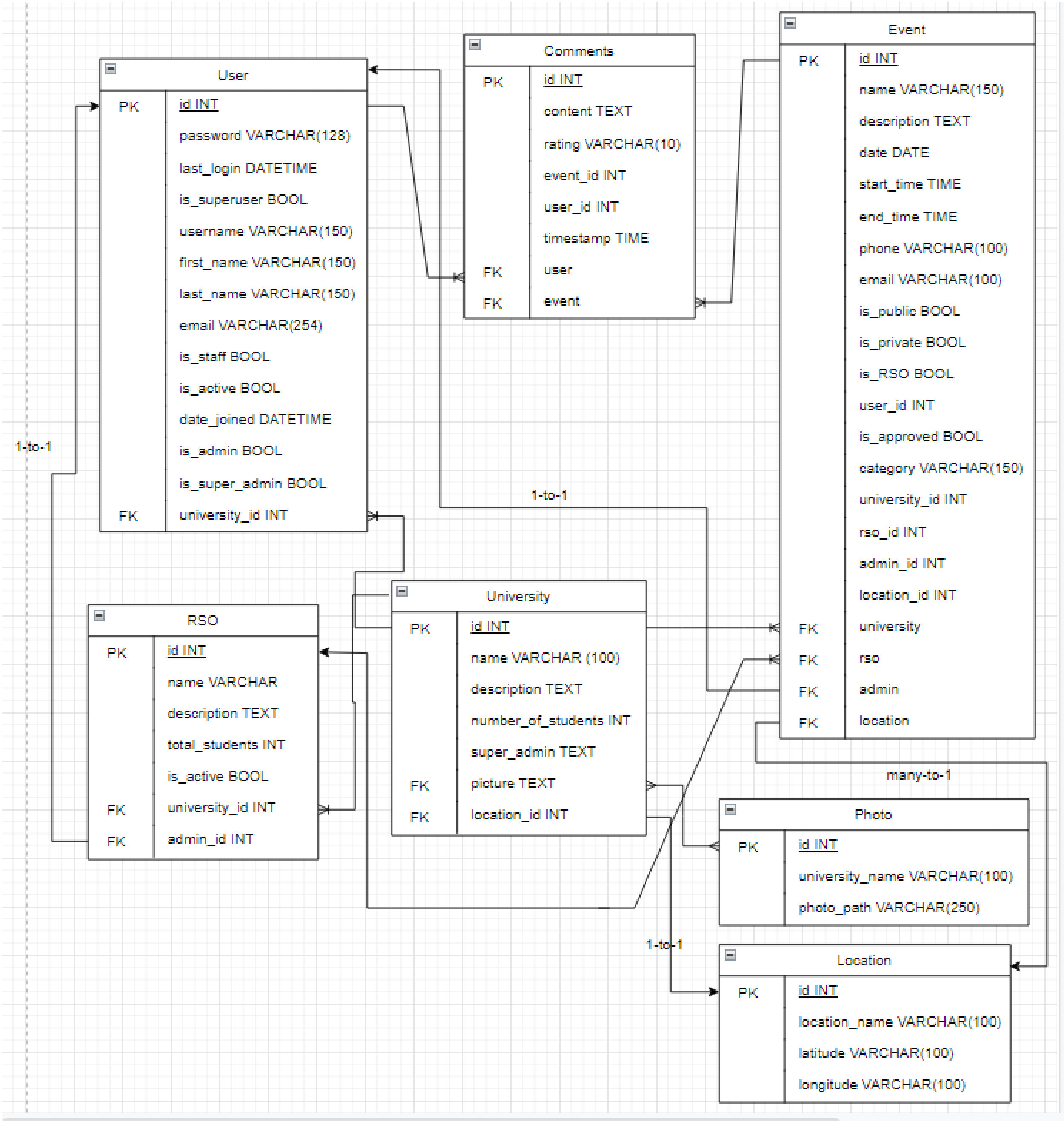
UCF

Screenshot of the User's profile upon logging in and information about them.

# ER-Model


name
longitude
id
latitude
Location
Hosts
id
timestamp
rating
user_id
content
event_id
Comments
User
username
first_name
password
id
email
last_name
is_admin
is_superAdmin
university_id
RSO_id
ISA
id
name
category
description
date
start_time
end_time
phone
email
is_public
is_private
is_RSO
is_approved
location_id
university_id
admin_id
rso_id
Event
id
university_name
path
Pictures
id
num_students
location_id
name
description
University
Admin
Super Admin
Student
Is_in
Administrates
Public Event
ISA
RSO Event
Creates
Private Event
Creates
RSO
id
students
total_students
admin_id
name
status
university_id
description

# Relational Data Model

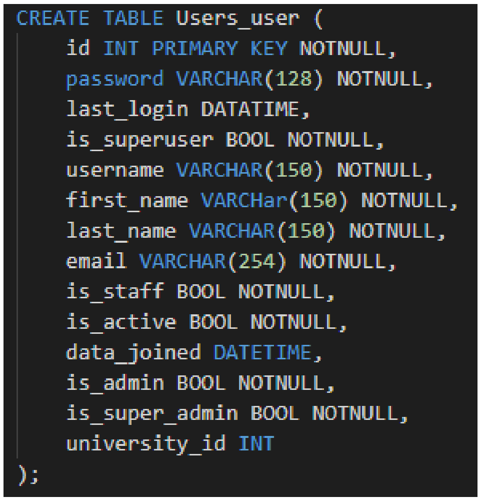


The Relational Model Diagram showing the different tables required for the database, and the relationships between them.

# SQL

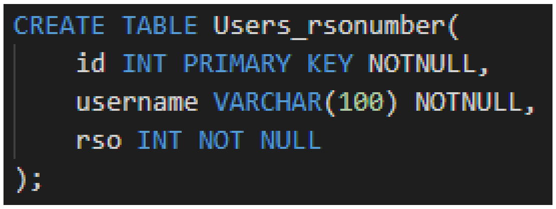
## User Tables

### SQL to create User table



```
CREATE TABLE Users_user (
    id INT PRIMARY KEY NOTNULL,
    password VARCHAR(128) NOTNULL,
    last_login DATATIME,
    is_superuser BOOL NOTNULL,
    username VARCHAR(150) NOTNULL,
    first_name VARCHar(150) NOTNULL,
    last_name VARCHAR(150) NOTNULL,
    email VARCHAR(254) NOTNULL,
    is_staff BOOL NOTNULL,
    is_active BOOL NOTNULL,
    data_joined DATETIME,
    is_admin BOOL NOTNULL,
    is_super_admin BOOL NOTNULL,
    university_id INT
);
```

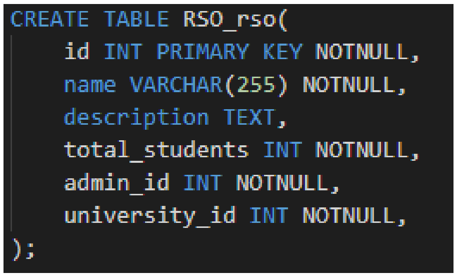
### SQL to join RSO to User table



```
CREATE TABLE Users_rsonumber(
    id INT PRIMARY KEY NOTNULL,
    username VARCHAR(100) NOTNULL,
    rso INT NOT NULL
);
```

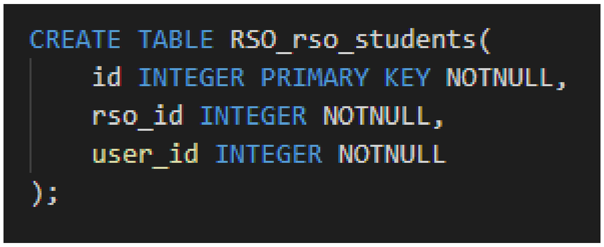
## RSO Tables

### SQL to create RSO table



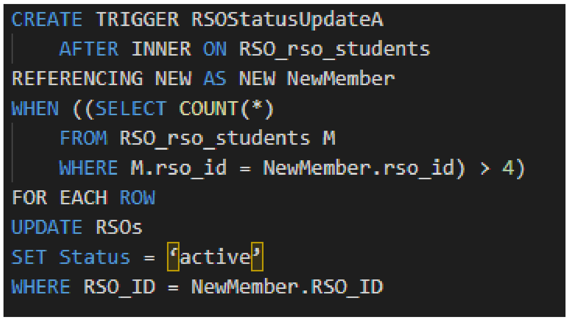
```
CREATE TABLE RSO_rso(
    id INT PRIMARY KEY NOTNULL,
    name VARCHAR(255) NOTNULL,
    description TEXT,
    total_students INT NOTNULL,
    admin_id INT NOTNULL,
    university_id INT NOTNULL,
);
```

### SQL to create RSO table to hold students



```
CREATE TABLE RSO_rso_students(
    id INTEGER PRIMARY KEY NOTNULL,
    rso_id INTEGER NOTNULL,
    user_id INTEGER NOTNULL
);
```

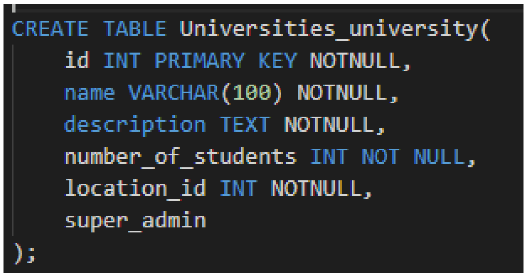
### RSO Trigger to add a member and set status as active



```
CREATE TRIGGER RSOStatusUpdateA
    AFTER INNER ON RSO_rso_students
REFERENCING NEW AS NEW NewMember
WHEN ((SELECT COUNT(*)
    FROM RSO_rso_students M
    WHERE M.rso_id = NewMember.rso_id) > 4)
FOR EACH ROW
UPDATE RSOs
SET Status = ‘active’
WHERE RSO_ID = NewMember.RSO_ID
```

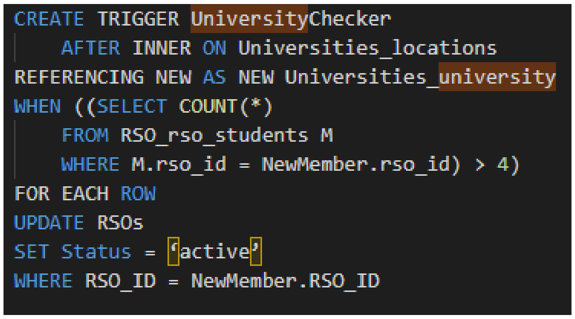
## University Tables

SQL to create table for Universities



```
CREATE TABLE Universities_university(
    id INT PRIMARY KEY NOTNULL,
    name VARCHAR(100) NOTNULL,
    description TEXT NOTNULL,
    number_of_students INT NOT NULL,
    location_id INT NOTNULL,
    super_admin
);
```

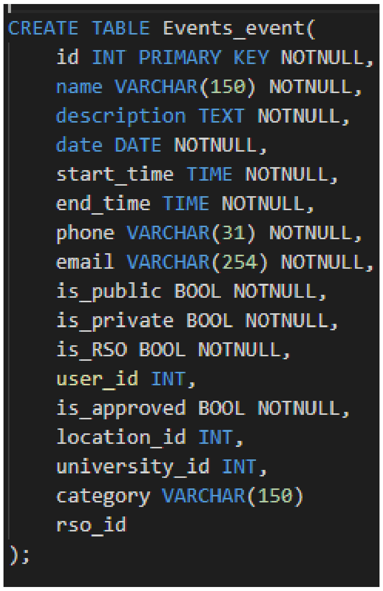
University Trigger to update university status and RSOs



```
CREATE TRIGGER UniversityChecker
    AFTER INNER ON Universities_locations
REFERENCING NEW AS NEW Universities_university
WHEN ((SELECT COUNT(*)
    FROM RSO_rso_students M
    WHERE M.rso_id = NewMember.rso_id) > 4)
FOR EACH ROW
UPDATE RSOs
SET Status = ‘active’
WHERE RSO_ID = NewMember.RSO_ID
```

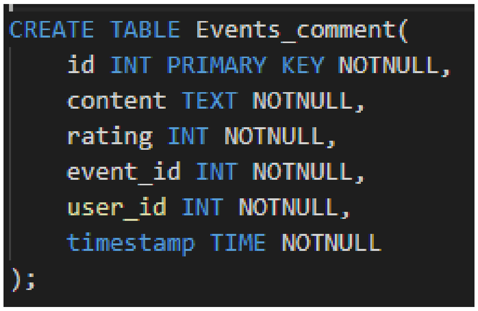
## Event Tables

SQL to create Event Table



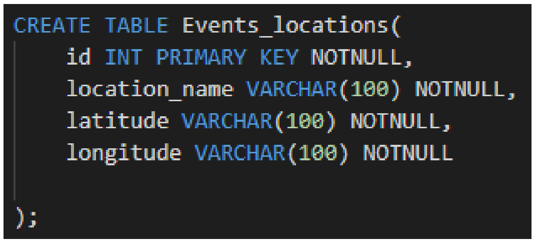
```
CREATE TABLE Events_event(
    id INT PRIMARY KEY NOTNULL,
    name VARCHAR(150) NOTNULL,
    description TEXT NOTNULL,
    date DATE NOTNULL,
    start_time TIME NOTNULL,
    end_time TIME NOTNULL,
    phone VARCHAR(31) NOTNULL,
    email VARCHAR(254) NOTNULL,
    is_public BOOL NOTNULL,
    is_private BOOL NOTNULL,
    is_RSO BOOL NOTNULL,
    user_id INT,
    is_approved BOOL NOTNULL,
    location_id INT,
    university_id INT,
    category VARCHAR(150)
    rso_id
);
```

SQL to create comments table for events



```
CREATE TABLE Events_comment(
    id INT PRIMARY KEY NOTNULL,
    content TEXT NOTNULL,
    rating INT NOTNULL,
    event_id INT NOTNULL,
    user_id INT NOTNULL,
    timestamp TIME NOTNULL
);
```

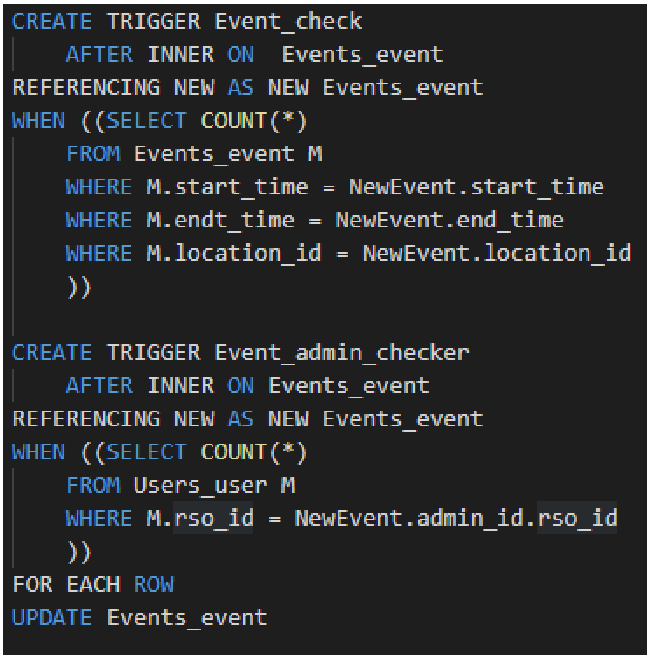
SQL to create table to hold locations of events



```
CREATE TABLE Events_locations(
    id INT PRIMARY KEY NOTNULL,
    location_name VARCHAR(100) NOTNULL,
    latitude VARCHAR(100) NOTNULL,
    longitude VARCHAR(100) NOTNULL

);
```

Event Triggers SQL

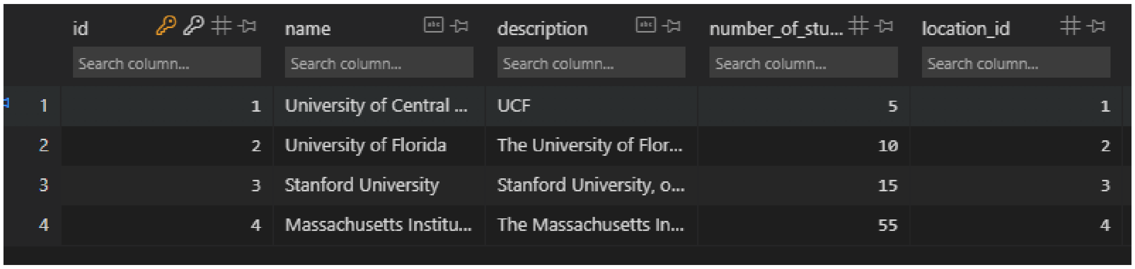


```
CREATE TRIGGER Event_check
    AFTER INNER ON  Events_event
REFERENCING NEW AS NEW Events_event
WHEN ((SELECT COUNT(*)
    FROM Events_event M
    WHERE M.start_time = NewEvent.start_time
    WHERE M.endt_time = NewEvent.end_time
    WHERE M.location_id = NewEvent.location_id
    ))

CREATE TRIGGER Event_admin_checker
    AFTER INNER ON Events_event
REFERENCING NEW AS NEW Events_event
WHEN ((SELECT COUNT(*)
    FROM Users_user M
    WHERE M.rso_id = NewEvent.admin_id.rso_id
    ))
FOR EACH ROW
UPDATE Events_event
```

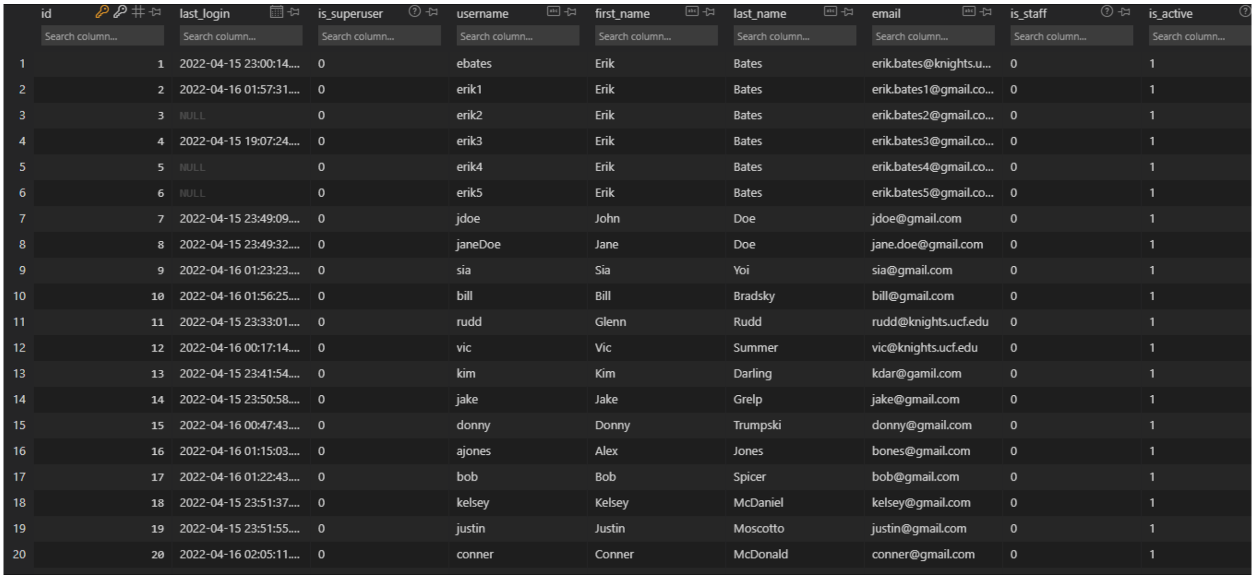
# Sample Data

## Sample: 2 Universities



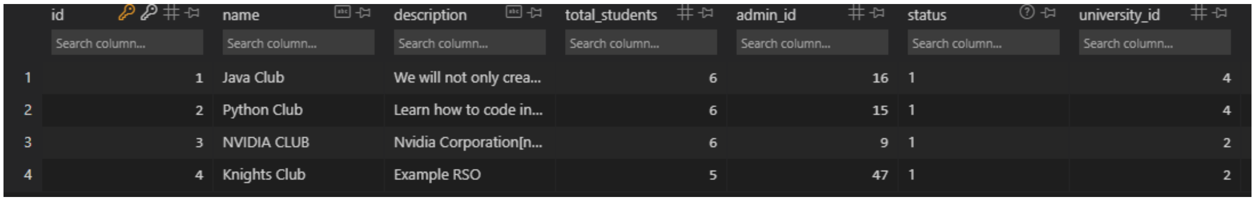
| | id | name | description | number_of_stu... | location_id |
|---|---|---|---|---|---|
| 1 | 1 | University of Central ... | UCF | 5 | 1 |
| 2 | 2 | University of Florida | The University of Flor... | 10 | 2 |
| 3 | 3 | Stanford University | Stanford University, o... | 15 | 3 |
| 4 | 4 | Massachusetts Institu... | The Massachusetts In... | 55 | 4 |

## Sample: 20 Students



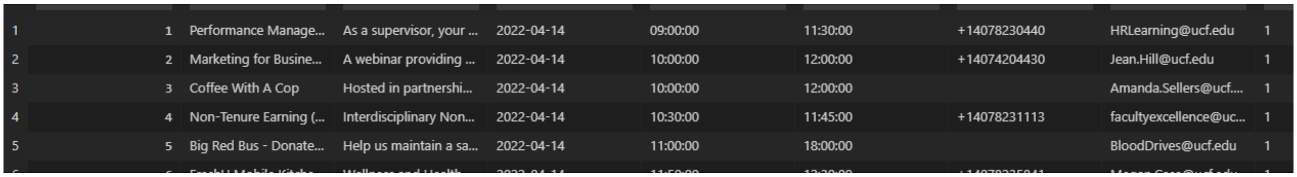
| | id | last_login | is_superuser | username | first_name | last_name | email | is_staff | is_active |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 2022-04-15 23:00:14.... | 0 | ebates | Erik | Bates | erik.bates@knights.u... | 0 | 1 |
| 2 | 2 | 2022-04-16 01:57:31.... | 0 | erik1 | Erik | Bates | erik.bates1@gmail.co... | 0 | 1 |
| 3 | 3 | NULL | 0 | erik2 | Erik | Bates | erik.bates2@gmail.co... | 0 | 1 |
| 4 | 4 | 2022-04-15 19:07:24.... | 0 | erik3 | Erik | Bates | erik.bates3@gmail.co... | 0 | 1 |
| 5 | 5 | NULL | 0 | erik4 | Erik | Bates | erik.bates4@gmail.co... | 0 | 1 |
| 6 | 6 | NULL | 0 | erik5 | Erik | Bates | erik.bates5@gmail.co... | 0 | 1 |
| 7 | 7 | 2022-04-15 23:49:09.... | 0 | jdoe | John | Doe | jdoe@gmail.com | 0 | 1 |
| 8 | 8 | 2022-04-15 23:49:32.... | 0 | janeDoe | Jane | Doe | jane.doe@gmail.com | 0 | 1 |
| 9 | 9 | 2022-04-16 01:23:23.... | 0 | sia | Sia | Yoi | sia@gmail.com | 0 | 1 |
| 10 | 10 | 2022-04-16 01:56:25.... | 0 | bill | Bill | Bradsky | bill@gmail.com | 0 | 1 |
| 11 | 11 | 2022-04-15 23:33:01.... | 0 | rudd | Glenn | Rudd | rudd@knights.ucf.edu | 0 | 1 |
| 12 | 12 | 2022-04-16 00:17:14.... | 0 | vic | Vic | Summer | vic@knights.ucf.edu | 0 | 1 |
| 13 | 13 | 2022-04-15 23:41:54.... | 0 | kim | Kim | Darling | kdar@gamil.com | 0 | 1 |
| 14 | 14 | 2022-04-15 23:50:58.... | 0 | jake | Jake | Grelp | jake@gmail.com | 0 | 1 |
| 15 | 15 | 2022-04-16 00:47:43.... | 0 | donny | Donny | Trumpski | donny@gmail.com | 0 | 1 |
| 16 | 16 | 2022-04-16 01:15:03.... | 0 | ajones | Alex | Jones | bones@gmail.com | 0 | 1 |
| 17 | 17 | 2022-04-16 01:22:43.... | 0 | bob | Bob | Spicer | bob@gmail.com | 0 | 1 |
| 18 | 18 | 2022-04-15 23:51:37.... | 0 | kelsey | Kelsey | McDaniel | kelsey@gmail.com | 0 | 1 |
| 19 | 19 | 2022-04-15 23:51:55.... | 0 | justin | Justin | Moscotto | justin@gmail.com | 0 | 1 |
| 20 | 20 | 2022-04-16 02:05:11.... | 0 | conner | Conner | McDonald | conner@gmail.com | 0 | 1 |

## Sample: 3 RSOs



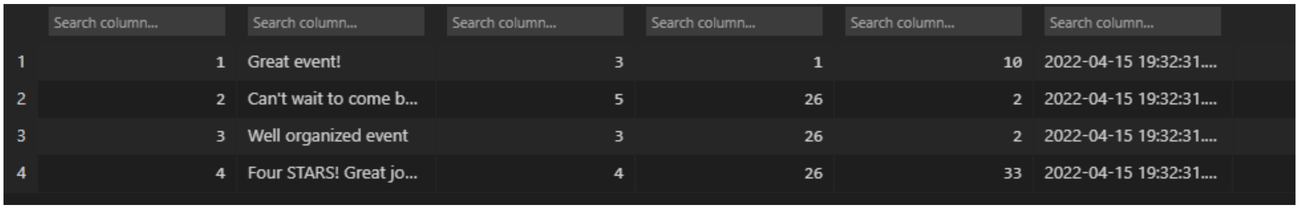
| | id | name | description | total_students | admin_id | status | university_id |
|---|---|---|---|---|---|---|---|
| 1 | 1 | Java Club | We will not only crea... | 6 | 16 | 1 | 4 |
| 2 | 2 | Python Club | Learn how to code in... | 6 | 15 | 1 | 4 |
| 3 | 3 | NVIDIA CLUB | Nvidia Corporation[n... | 6 | 9 | 1 | 2 |
| 4 | 4 | Knights Club | Example RSO | 5 | 47 | 1 | 2 |

## Sample: 5 events



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | Performance Manage... | As a supervisor, your ... | 2022-04-14 | 09:00:00 | 11:30:00 | +14078230440 | HRLearning@ucf.edu | 1 |
| 2 | 2 | Marketing for Busine... | A webinar providing ... | 2022-04-14 | 10:00:00 | 12:00:00 | +14074204430 | Jean.Hill@ucf.edu | 1 |
| 3 | 3 | Coffee With A Cop | Hosted in partnershi... | 2022-04-14 | 10:00:00 | 12:00:00 | | Amanda.Sellers@ucf.... | 1 |
| 4 | 4 | Non-Tenure Earning (... | Interdisciplinary Non... | 2022-04-14 | 10:30:00 | 11:45:00 | +14078231113 | facultyexcellence@uc... | 1 |
| 5 | 5 | Big Red Bus - Donate... | Help us maintain a sa... | 2022-04-14 | 11:00:00 | 18:00:00 | | BloodDrives@ucf.edu | 1 |
| 6 | 6 | FreshU Mobile Kitche... | Wellness and Health... | 2022-04-14 | [illegible] | [illegible] | [illegible] | Megan.Case@ucf.edu | 1 |

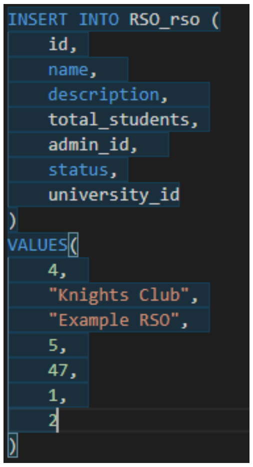
## Sample: 3 comments



| | Search column... | Search column... | Search column... | Search column... | Search column... | Search column... |
|---|---|---|---|---|---|---|
| 1 | 1 | Great event! | 3 | 1 | 10 | 2022-04-15 19:32:31.... |
| 2 | 2 | Can't wait to come b... | 5 | 26 | 2 | 2022-04-15 19:32:31.... |
| 3 | 3 | Well organized event | 3 | 26 | 2 | 2022-04-15 19:32:31.... |
| 4 | 4 | Four STARS! Great jo... | 4 | 26 | 33 | 2022-04-15 19:32:31.... |

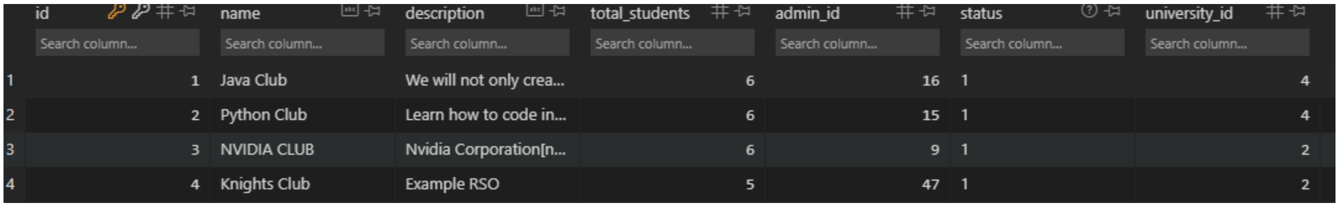
# SQL Examples and Results

SQL to insert new RSO



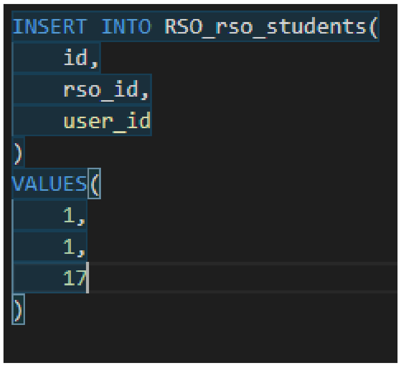
```
INSERT INTO RSO_rso (
    id,
    name,
    description,
    total_students,
    admin_id,
    status,
    university_id
)
VALUES(
    4,
    "Knights Club",
    "Example RSO",
    5,
    47,
    1,
    2
)
```

database result:



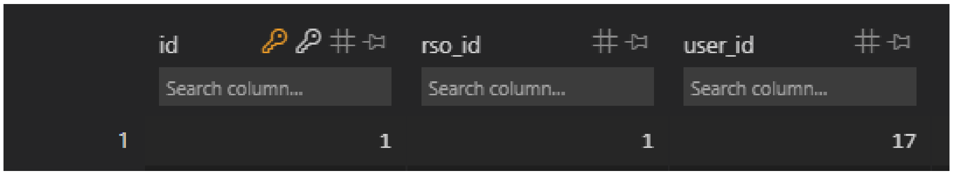
| | id | name | description | total_students | admin_id | status | university_id |
|---|---|---|---|---|---|---|---|
| 1 | 1 | Java Club | We will not only crea... | 6 | 16 | 1 | 4 |
| 2 | 2 | Python Club | Learn how to code in... | 6 | 15 | 1 | 4 |
| 3 | 3 | NVIDIA CLUB | Nvidia Corporation[n... | 6 | 9 | 1 | 2 |
| 4 | 4 | Knights Club | Example RSO | 5 | 47 | 1 | 2 |

SQL to insert a new student to an existing RSO



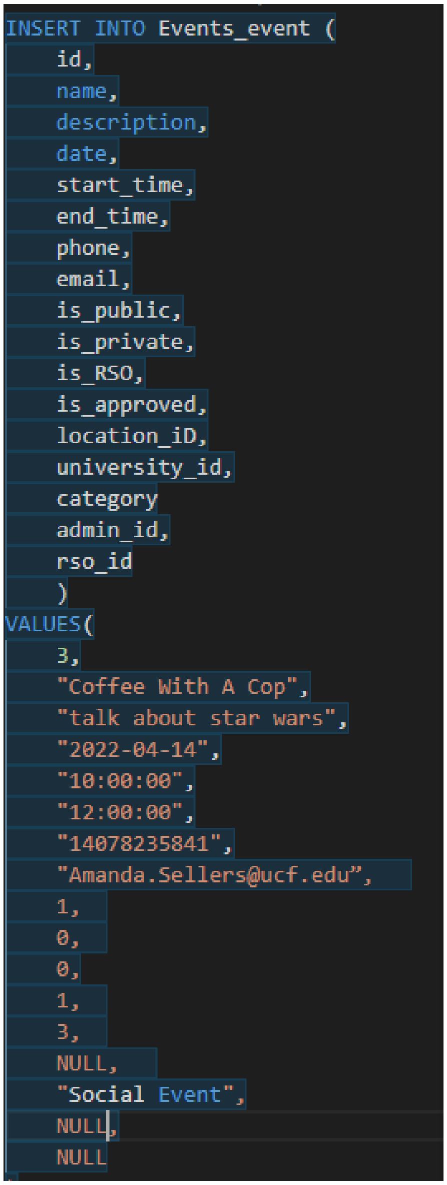
```
INSERT INTO RSO_rso_students(
    id,
    rso_id,
    user_id
)
VALUES(
    1,
    1,
    17
)
```

database result:



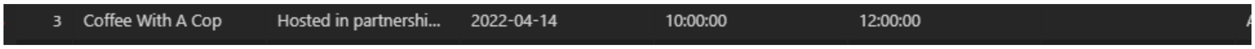
| | id | rso_id | user_id |
|---|---|---|---|
| 1 | 1 | 1 | 17 |

SQL to insert a new event

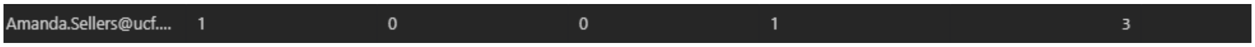


```
INSERT INTO Events_event (
    id,
    name,
    description,
    date,
    start_time,
    end_time,
    phone,
    email,
    is_public,
    is_private,
    is_RSO,
    is_approved,
    location_iD,
    university_id,
    category
    admin_id,
    rso_id
    )
VALUES(
    3,
    "Coffee With A Cop",
    "talk about star wars",
    "2022-04-14",
    "10:00:00",
    "12:00:00",
    "14078235841",
    "Amanda.Sellers@ucf.edu”,
    1,
    0,
    0,
    1,
    3,
    NULL,
    "Social Event",
    NULL,
    NULL
```

database result

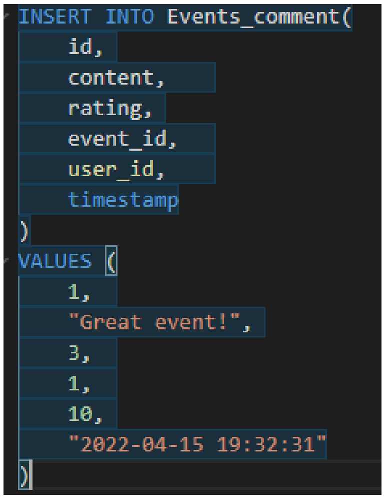


```
    3   Coffee With A Cop    Hosted in partnershi...   2022-04-14     10:00:00     12:00:00               A
```



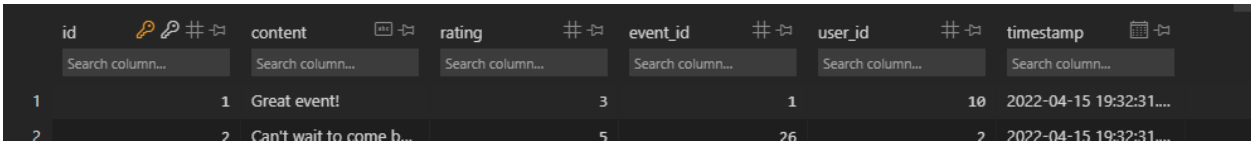
```
Amanda.Sellers@ucf....   1            0            0            1                  3
```

SQL to insert/update a comment on an Event



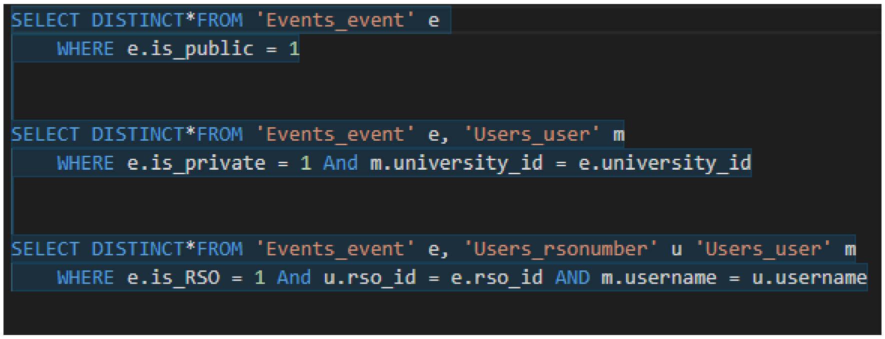
```
INSERT INTO Events_comment(
    id,
    content,
    rating,
    event_id,
    user_id,
    timestamp
)
VALUES (
    1,
    "Great event!",
    3,
    1,
    10,
    "2022-04-15 19:32:31"
)
```

database results



| | id | content | rating | event_id | user_id | timestamp |
|---|---|---|---|---|---|---|
| 1 | 1 | Great event! | 3 | 1 | 10 | 2022-04-15 19:32:31.... |
| 2 | 2 | Can't wait to come b... | 5 | 26 | 2 | 2022-04-15 19:32:31.... |

SQL to display events (public, private, RSO)

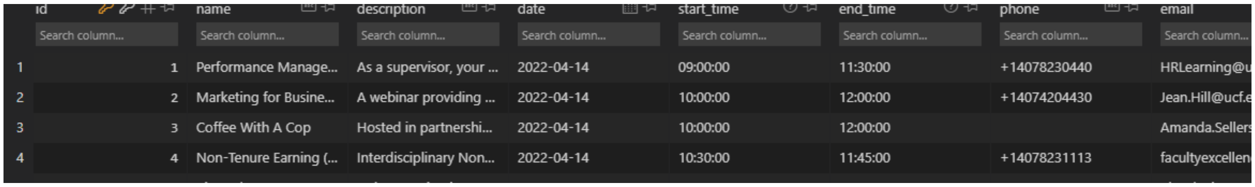


```
SELECT DISTINCT*FROM 'Events_event' e
    WHERE e.is_public = 1


SELECT DISTINCT*FROM 'Events_event' e, 'Users_user' m
    WHERE e.is_private = 1 And m.university_id = e.university_id


SELECT DISTINCT*FROM 'Events_event' e, 'Users_rsonumber' u 'Users_user' m
    WHERE e.is_RSO = 1 And u.rso_id = e.rso_id AND m.username = u.username
```

database results



| | id | name | description | date | start_time | end_time | phone | email |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | Performance Manage... | As a supervisor, your ... | 2022-04-14 | 09:00:00 | 11:30:00 | +14078230440 | HRLearning@u |
| 2 | 2 | Marketing for Busine... | A webinar providing ... | 2022-04-14 | 10:00:00 | 12:00:00 | +14074204430 | Jean.Hill@ucf.e |
| 3 | 3 | Coffee With A Cop | Hosted in partnershi... | 2022-04-14 | 10:00:00 | 12:00:00 | | Amanda.Sellers |
| 4 | 4 | Non-Tenure Earning (... | Interdisciplinary Non... | 2022-04-14 | 10:30:00 | 11:45:00 | +14078231113 | facultyexcellen |

# Conclusion

The database and website works as intended to create a user-friendly environment for students and people across any university in the country to connect with other students and people from any other university to view and attend university-affiliated events ranging from club meetings, fraternity activities, social gatherings, speeches, and many more. The website also serves to encourage and make it easier for students to find activities, clubs, and events that they might be interested in, and allows them to meet and connect with other students who are interested in the same things. One feature of the website to facilitate connecting with other students with ease is the ability to share any event listed on the website to the students' FaceBook or Twitter account. This allows more options and visibility to reach more students from different universities who may be interested in attending different events. Another useful feature included in the website is the integration of google maps to show the exact location of universities and events so that students looking to attend an event of their choosing will have little to no trouble finding the event. In conclusion, the aim of the project was to create a platform to list events at any university and allow students from any university to be able to view and attend these events, and this website successfully serves this purpose.