

Group Project  
College Event Website  
COP4710 Spring 17

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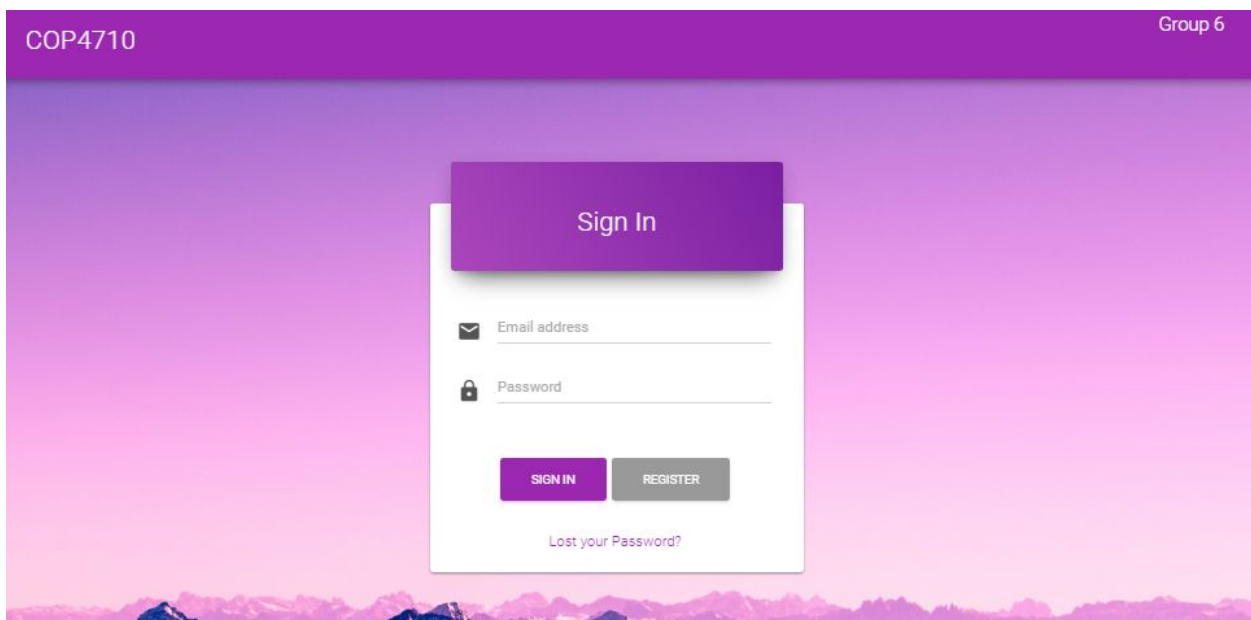
## Project Description

We developed a web application to help students stay involved in events for their university. Registered Student Organizations(RSOs) can be created by 5 or more students with the same email domain for their university. There are 3 types of user levels super administrator, administrator, and regular users. Super administrators are able to create university profiles and approve and disapprove events for the university profiles they have created. Students are assigned an administrator position when they are the one who created the RSO. As an administrator they are able to create events for the RSOs that they are an administrator for. Each regular user is a student who's able to join RSOs and view events from their university and the RSOs they have joined.

## GUI

- Languages Used:
  - PHP
  - HTML
  - Javascript/Jquery
  - CSS
- Locally hosted: MAMP
- DBMS: MySql

### Login



COP4710 Group 6

Sign In

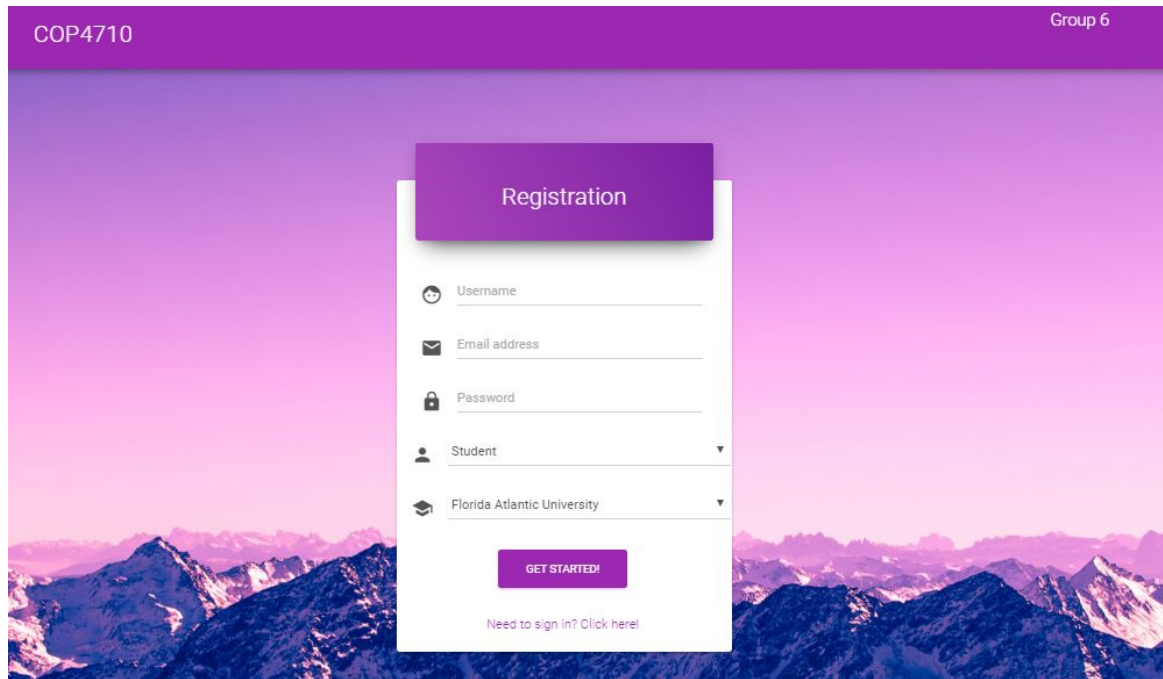
Email address

Password

SIGN IN REGISTER

Lost your Password?

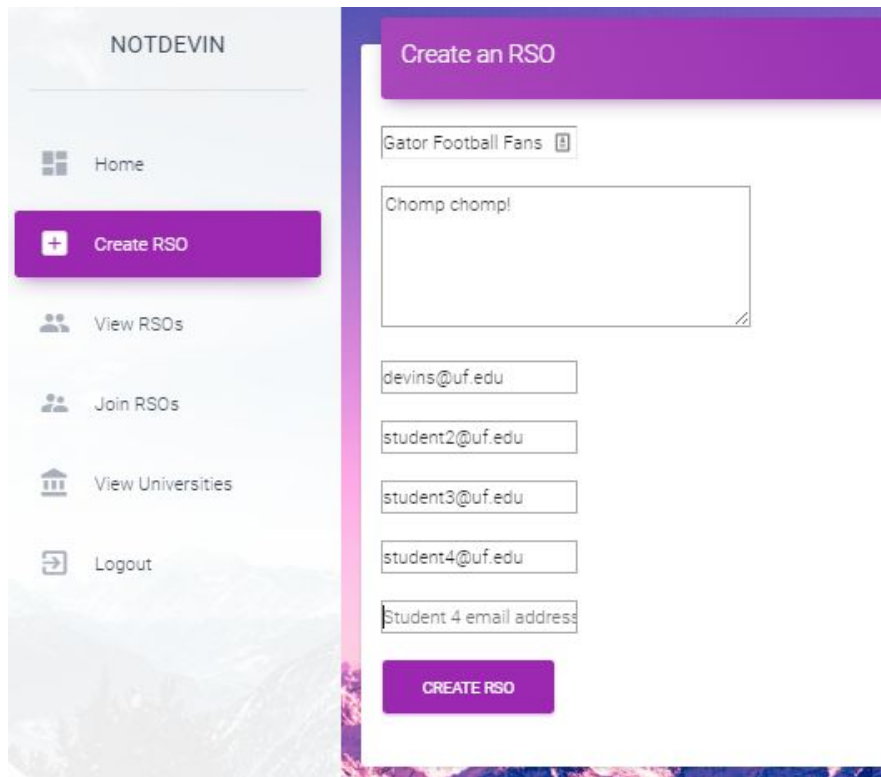
## Registration



The registration form is titled "Registration" and is set against a background of a purple-to-pink gradient with a mountain range at the bottom. The form fields are as follows:

- COP4710** (top left header)
- Group 6** (top right header)
- Registration** (form title)
- Username** (text input)
- Email address** (text input)
- Password** (text input)
- Student** (dropdown menu)
- Florida Atlantic University** (dropdown menu)
- GET STARTED!** (button)
- [Need to sign in? Click here!](#) (link)

## Create RSO



The "Create an RSO" form is displayed on a page with a sidebar. The sidebar, titled "NOTDEVIN", contains the following links:

- Home
- Create RSO** (highlighted)
- View RSOs
- Join RSOs
- View Universities
- Logout

The main form area is titled "Create an RSO" and contains the following fields:

- Gator Football Fans** (text input)
- Chomp chomp!** (text input)
- devins@uf.edu** (text input)
- student2@uf.edu** (text input)
- student3@uf.edu** (text input)
- student4@uf.edu** (text input)
- Student 4 email address** (text input)
- CREATE RSO** (button)

Join RSO:

The screenshot shows a web application interface. On the left is a sidebar with the username 'NOTDEVIN' at the top. Below it are menu items: 'Home' (with a grid icon), 'Create RSO' (with a plus icon), 'View RSOs' (with a group of people icon), 'Join RSOs' (with a group of people icon and highlighted in purple), 'View Universities' (with a building icon), and 'Logout' (with a door icon). The main content area has a purple header bar with the text 'Gator Football Fans'. Below this, the text 'Chomp chomp!' is displayed. A form labeled 'Number of Members' has a text input field containing the number '5'. At the bottom of the form is a teal button labeled 'JOIN'.

View RSO / Leave RSO:

This screenshot shows the same web application interface as the previous one, but with changes to the sidebar and main content area. In the sidebar, the 'View RSOs' menu item is now highlighted in purple, while 'Join RSOs' is no longer highlighted. The main content area still has the purple header 'Gator Football Fans' and the text 'Chomp chomp!'. However, the 'Number of Members' form now contains the number '6'. The teal button at the bottom is now labeled 'LEAVE'.

## View University:

NOTDEVIN

- Home
- Create RSO
- View RSOs
- Join RSOs
- View Universities
- Logout

### Florida Atlantic University

Florida Atlantic University (also referred to as FAU or Florida Atlantic) is a public university located in Boca Raton, Florida, with five satellite campuses located in the Florida cities of Dania Beach, Davie, Fort Lauderdale, Jupiter, and in Port Pierce at the Harbor Branch Oceanographic Institution.

Number of Students: 30377  
Location: 777 Glades Rd, Boca Raton, FL 33431

### Florida Gulf Coast University

Florida Gulf Coast University is a public university located in Fort Myers, Florida, United States, part of unincorporated Lee County. The university belongs to the 12-campus State University System of Florida.

Number of Students: 14673  
Location: 10501 FGCU Blvd S, Fort Myers, FL 33965

### Florida State University

Florida State University is an American public space-grant and sea-grant research university. Its primary campus is located on a 1,391.54-acre campus in Tallahassee, Florida, United States.

Number of Students: 41867  
Location: 600 W College Ave, Tallahassee, FL 32306

### University of Central Florida

The University of Central Florida, or UCF, is an American metropolitan public research university in Orlando, Florida. It is the largest university in the United States by undergraduate enrollment, as well as the largest by total enrollment.

### University of Florida

The University of Florida is an American public land-grant, sea-grant, and space-grant research university on a 2,000-acre campus in Gainesville, Florida.

## Public Events & Comments

NOTDEVIN

- Home
- Create RSO
- View RSOs
- Join RSOs
- View Universities
- Logout

PUBLIC EVENTS
UNIVERSITY EVENTS
RSO EVENTS

### Soccer Fundraising

Fundraising

Come help our soccer teams!

Date: 2017-04-25  
Time: 19:30:00  
Contact Phone: 432-342-3216  
Contact Email: [student@knights.ucf.edu](mailto:student@knights.ucf.edu)  
Location: Memory Mall

Leave a comment for Soccer Fundraising

LAOERSON : I CAN'T WAIT TO RAISE MONEY FOR OUR SOCCER TEAM. LOVE TO WATCH BOTH THE MEN'S AND WOMEN'S TEAMS PLAY!

### UF Football Vs Alabama

Sports

Support our football team!

Date: 2017-05-06  
Time: 19:00:00  
Contact Phone: 432-342-3216  
Contact Email: [plc@ufl.edu](mailto:plc@ufl.edu)  
Location: Ben Hill Griffin Stadium


Leave a comment for UF Football Vs Alabama


NOTDEVIN : GO ALABAMA


University Events / Leave a Comment:


NOTDEVIN


---


 Home


 Create RSO


 View RSOs


 Join RSOs


 View Universities

 Logout

 PUBLIC EVENTS

 UNIVERSITY EVENTS

 RSO EVENTS



Ben Hill Griffin Stadium






Stephen C. O'Connell Center

Google

## UF Lottery

Sports

Come get your tickets!

|   |                       |  |
|---|-----------------------|--|
|    | <b>Date:</b>          | 2017-04-20                                   |
|    | <b>Time:</b>          | 10:00:00                                     |
|    | <b>Contact Phone:</b> | 432-553-2341                                 |
|   | <b>Contact Email:</b> | <a href="mailto:plo@ufl.edu">plo@ufl.edu</a> |
|  | <b>Location:</b>      | Ben Hill Griffin Stadium                     |

Leave a comment for UF Lottery

[SUBMIT](#)

RSO Events

NOTDEVIN

Home

Create RSO

View RSOs

Join RSOs


View Universities

Logout

PUBLIC EVENTS

UNIVERSITY EVENTS

RSO EVENTS



Ben Hill Griffin Stadium

Stephen C. O'Connell Center

### UF Football Meet and Greet

Sports

Come meet your UF football players!

|                |  |
|----------------|--|
| Date:          | 2017-04-27                                   |
| Time:          | 13:00:00                                     |
| Contact Phone: | 432-342-3216                                 |
| Contact Email: | <a href="mailto:olo@ufl.edu">olo@ufl.edu</a> |
| Location:      | Ben Hill Griffin Stadium                     |

Leave a comment for UF Football Meet and Greet

SUBMIT



Create an Event:

NOTDEVIN

Home

**Create Event**

Create RSO

View RSOs

Join RSOs

View Universities

Logout

### Create an Event

Name of Event

Category

Florida Atlantic University

mm/dd/yyyy

--:--

Name of Location

Latitude (Up to 8 Decimal Places)

Longitude (Up to 8 Decimal Places)

Description (not required)

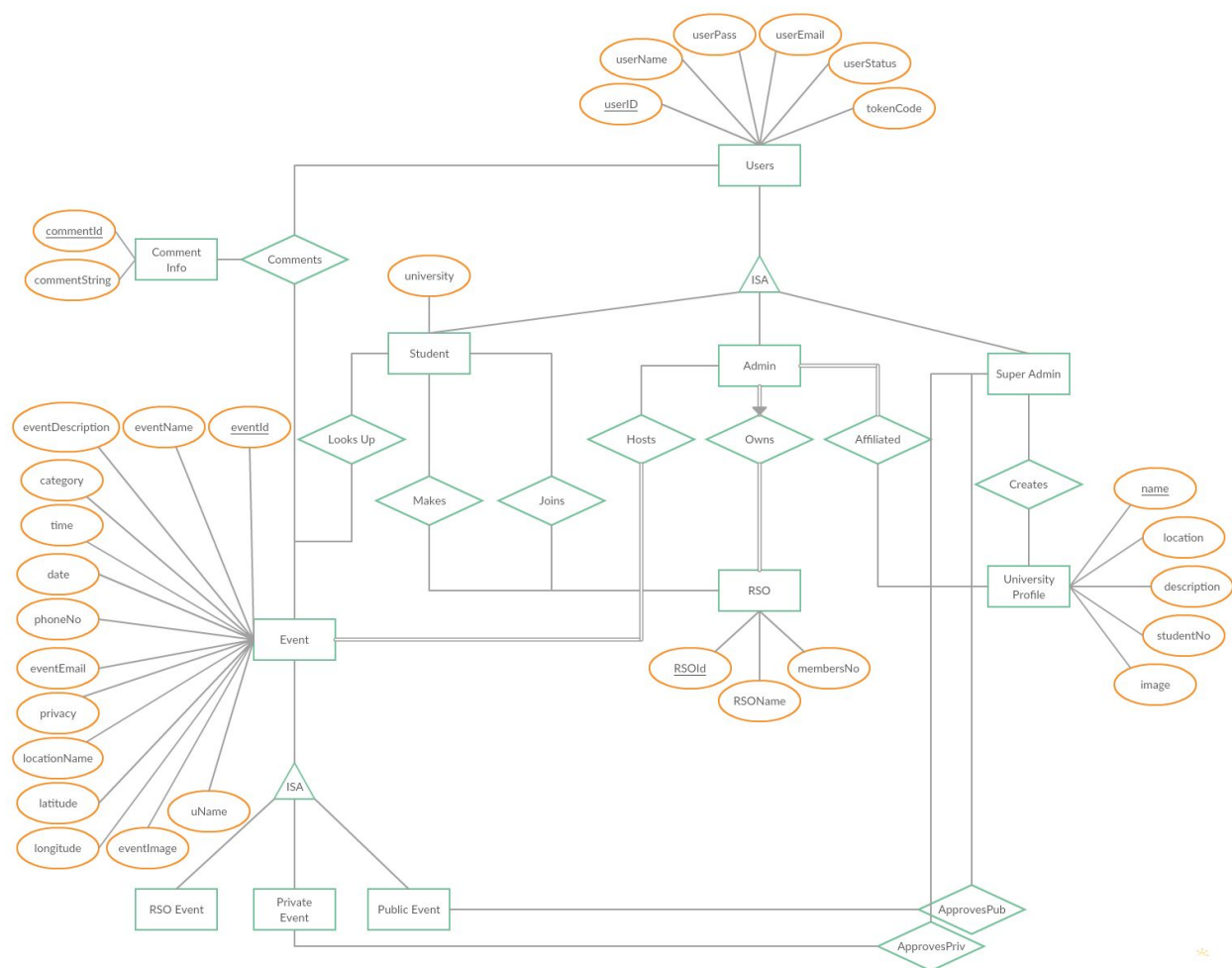
Contact Phone Number

Contact Email

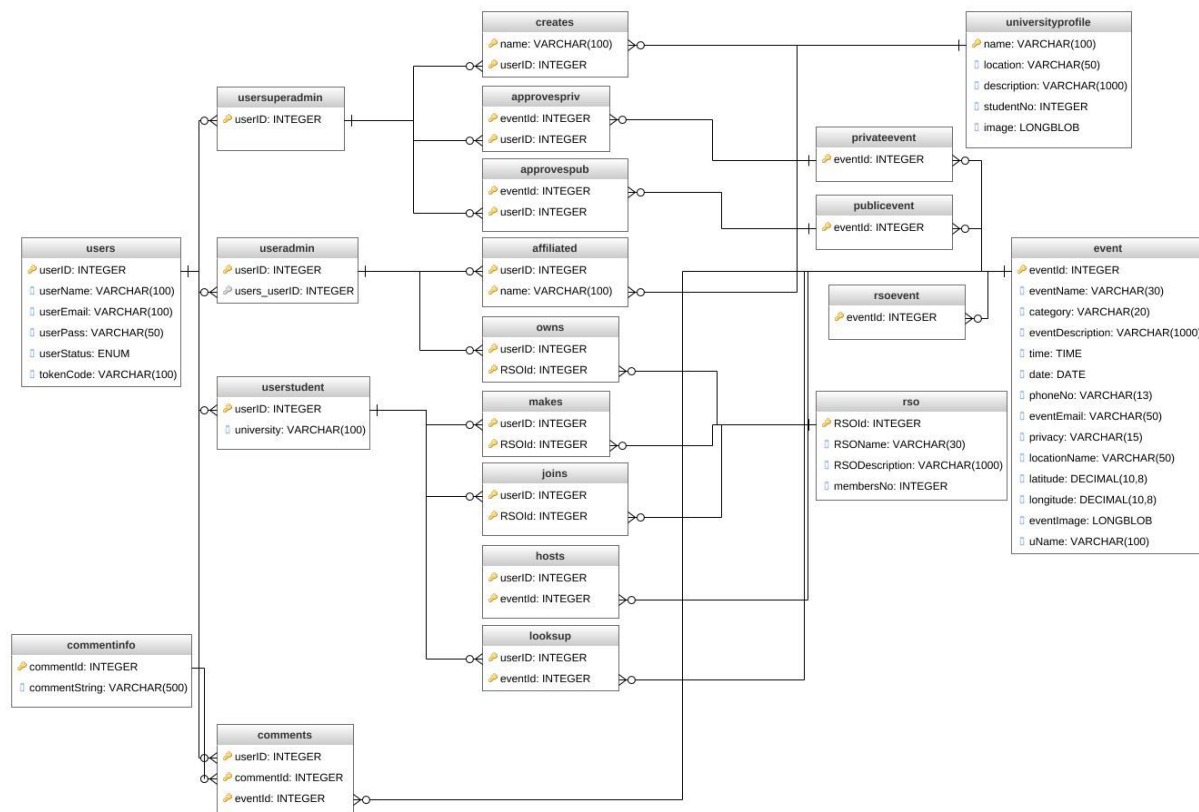
Privacy:

IMAGE FOR EVENT:

No file chosen



## Relational Data Model



## Populating Database Tables

### Universities (2)

Name: University of Central Florida

Location: 4000 Central Florida Blvd., Orlando, FL, 32816

Description: The University of Central Florida, or UCF, is an American metropolitan public research university in Orlando, Florida. It is the largest university in the United States by undergraduate enrollment, as well as the largest by total enrollment.

Number of students: 64318

Image:

[https://media.clickorlando.com/photo/2015/11/04/University-of-Central-Florida-logo-JPG\\_236096\\_ver1.0\\_1280\\_720.jpg](https://media.clickorlando.com/photo/2015/11/04/University-of-Central-Florida-logo-JPG_236096_ver1.0_1280_720.jpg)

Name: University of Florida

Location: 4211 SW 23 St, Gainesville, FL 32603

Description: The University of Florida is an American public land-grant, sea-grant, and space-grant research university on a 2,000-acre campus in Gainesville, Florida.

Number of students: 52286

Image:

<https://yt3.ggpht.com/-mFo27EtzsY8/AAAAAAAAAAI/AAAAAAAAAAA/WbNSjnC94Z0/s900-c-k-no-mo-rj-c0xffffff/photo.jpg>

### **Super Admin (1)**

Username: Pldosa

Email: pldosa@knights.ucf.edu

Password: bestsuperadmin

### **Students (6)**

Username: UCFfootball123

Email: student@knights.ucf.edu

Password: pegasusknights

University: University of Central Florida

Username: DanTheMan

Email: dannys94@knights.ucf.edu

Password: dsaxpiano

University: University of Central Florida

Username: SadHoshi

Email: shoshi@knights.ucf.edu

Password: shoshi951

University: University of Central Florida

Username: Laoserson

Email: laoserson@knights.ucf.edu

Password: sonoflaos

University: University of Central Florida

Username: Plodwa

Email: plo@knights.ucf.edu

Password: padawanjedi

University: University of Central Florida

Username: Gerstinhausen

Email: ghausen@ufl.edu

Password: lastmanstanding

University: University of Florida

### **RSO's (3)**

RSO Name: Throwing and Catching Club

RSO Description: We throw things and we catch them.

RSO Name: Chess Club

RSO Description: Chess meetings and practices every Friday from 6pm to 8pm. Beginners are welcomed!

RSO Name: Quidditch

RSO Description: Everyone is welcome! Bring your broomsticks as well as your Harry Potter books!

### **Events (5)**

Name: UCF vs Kansas (Mens Basketball)

Category: Sports

Description: Watch as UCF takes on Kansas in the quarter finals!

Time: 7:00pm

Date: 4/20/17

Phone Number: 407-128-2048

Contact Email: dannys94@knights.ucf.edu

Privacy: Public

Name of Location: CFE Arena

Latitude: 28.607371

Longitude: -81.197383

Image:

<http://ucfknight.com/images/2016/6/22/7601207.jpeg?width=1000&height=563&mode=crop>

University: University of Central Florida

Name: Chess Tournament

Category: Competition

Description: Try your best to win this year's UCF Chess master title! You must be a member of the chess club to participate.

Time: 5:00pm

Date: 4/21/17

Phone Number: 407-111-9999

Contact Email: dannys94@knights.ucf.edu

Privacy: Private

Name of Location: John C. Hitt Library

Latitude: 28.600577

Longitude: -81.201601

Image: <https://www.printyourbrackets.com/ncaa-logos/ucf-knights-logo.png>

University: University of Central Florida

Name: Chess Club Meet and Greet

Category: Social

Description: Come meet the UCF Chess club! There will be free food and drinks.

Time: 4:00pm

Date: 7/11/17

Phone Number: 407-111-9999

Contact Email: dannys94@knights.ucf.edu

Privacy: Public

Name of Location: John C. Hitt Library

Latitude: 28.600577

Longitude: -81.201601

Image: <https://www.printyourbrackets.com/ncaa-logos/ucf-knights-logo.png>

University: University of Central Florida

Name: Chess Club Election

Category: Politics

Description: Nominate and vote for your 2017/2018 leaders for the chess club.

Time: 6:00 pm

Date: 5/1/17

Phone Number: 407-111-9999

Contact Email: dannys94@knights.ucf.edu

Privacy: RSO

Name of Location: John C. Hitt Library

Latitude: 28.600577

Longitude: -81.201601

Image: <https://www.printyourbrackets.com/ncaa-logos/ucf-knights-logo.png>

University: University of Central Florida

Name: Throwing and Catching

Category: Sports

Description: Come to throw things as well as catch them.

Time: 7:30 pm

Date: 5/6/17

Phone Number: 301-910-0305

Contact Email: dannys94@knights.ucf.edu

Privacy: Public

Name of Location: UCF IM Fields

Latitude: 28.592566

Longitude: -81.202417

Image: [https://www.ucf.edu/brand/files/2016/07/UCF-tab-NoBleed\\_vert-KG-7406.png](https://www.ucf.edu/brand/files/2016/07/UCF-tab-NoBleed_vert-KG-7406.png)

University: University of Central Florida

### **Comments (3)**

Comment: I can't wait until UCF beats Kansas today in basketball!

Comment: I'll be at the chess tournament and win!

Comment: I'll see you guys at the meet and greet. I can't wait to meet other chess players!

### **Superadmin Table:**

|   |        |
|---|--------|
| + Options   |        |
| ← T →   | userID |
| <input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete | 1      |

Users Table:

| userID | userName       | userEmail                 | userPass                         | userStatus | tokenCode                        |
|--------|----------------|---------------------------|----------------------------------|------------|----------------------------------|
| 1      | Pldosa         | pldosa@knights.ucf.edu    | 7a9f9f0ebf9899d95b15e8c52336b58c | Y          | 9f59728a28211441a4dbd53e7a25f1c2 |
| 2      | UCFfootball123 | student@knights.ucf.edu   | 2fee60cc2d32985b6c9e78fd3273ebe2 | Y          | ea4509499aa0bde7f2b89b425db54406 |
| 3      | DanTheMan      | dannys94@knights.ucf.edu  | 26bf28cedf0835d065f179f629676f15 | Y          | c7cc09369e4ce2fbb6892d583f2a5000 |
| 4      | SadHoshi       | shoshi@knights.ucf.edu    | df15041e01a0145328c3c4cb242ee38f | Y          | ee3027d46833e05166275e38b34cb7d3 |
| 5      | Laoserson      | laoserson@knights.ucf.edu | 1d24a15cf8be6113119743ba14ec313f | Y          | 6bb076eee50e9f2e5263c1323a04b11a |
| 6      | Plodwa         | plo@knights.ucf.edu       | ad12b746dc7ad8c1faeb1fc8cb7d2af5 | Y          | 60f03f695f5147654d4f1cc27072b1ba |
| 7      | Gerstinhausen  | ghausen@ufl.edu           | 9667e1b705a42a0c05ffa9d2197c1087 | Y          | e0f67b5290f78f0ebb6a79f07f7cafb3 |

Userstudent Table:

+ Options

| ← T →                    | ▼                  | userID | university                    |
|--------------------------|--------------------|--------|-------------------------------|
| <input type="checkbox"/> | Edit               |        | University of Central Florida |
| <input type="checkbox"/> | Edit  Copy  Delete | 3      | University of Central Florida |
| <input type="checkbox"/> | Edit  Copy  Delete | 4      | University of Central Florida |
| <input type="checkbox"/> | Edit  Copy  Delete | 5      | University of Central Florida |
| <input type="checkbox"/> | Edit  Copy  Delete | 6      | University of Central Florida |
| <input type="checkbox"/> | Edit  Copy  Delete | 7      | University of Florida         |

Click the drop-down arrow to toggle column's visibility.

**SQL Examples and Results**Creating a RSO:










```
INSERT INTO rso(RSOName,RSODescription,membersNo) VALUES("TACC","We in it",6)
```

| RSOId | RSOName                    | RSODescription  | membersNo |
|-------|----------------------------|---|-----------|
| 1     | Throwing and Catching Club | We throw things and we catch them.                    | 5         |
| 2     | Chess Club                 | Chess meetings and practices every Friday from 6pm... | 5         |
| 3     | Quidditch                  | Everyone is welcome! Bring your broomsticks as wel... | 5         |
| 4     | TACC                       | We in it  | 6         |



### Student joining an RSO:

```
INSERT INTO joins(userID,RSOId) VALUES(2,4)
```

|                          |  |  |  |   |   |
|--------------------------|--|--|--|---|---|
| <input type="checkbox"/> |  Edit |  Copy |  Delete | 5 | 3 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | 6 | 3 |
| <input type="checkbox"/> |  Edit |  Copy |  Delete | 2 | 4 |

### Create an event:





```
INSERT INTO
event(eventName,category,eventDescription,time,date,phoneNo,eventEmail,privacy,locationName,latitude,longitude,eventImage,uName)
VALUES("Tea Party","Leisure","Have some tea mate.",6,2017-04-31,"666-666-6666","tacc@gmail.com","public","CFE
Arena",28.60737100,-81.19738300,"","University of Central Florida")
```

|   |                       |         |   |          |            |              |                          |        |        |
|---|-----------------------|---------|---|----------|------------|--------------|--------------------------|--------|--------|
| 5 | Throwing and Catching | Sports  | Come to throw things as well as catch them. | 19:30:00 | 2017-05-06 | 301-910-0305 | dannys94@knights.ucf.edu | public | UCF IN |
| 6 | Tea Party             | Leisure | Have some tea mate.                         | 00:00:06 | 0000-00-00 | 666-666-6666 | tacc@gmail.com           | public | CFE A  |

### Inserting a comment:

✓ 1 row inserted.  
Inserted row id: 4 (Query took 0.1030 seconds.)

```
INSERT INTO commentinfo(commentString) VALUES("WOW DUDE YOU'RE SO GOOD!")
```

|   | commentId | commentString                                       |
|---|-----------|---|
| Copy  Delete | 1         | I can't wait until UCF beats Kansas today in bas... |
| Copy  Delete | 2         | I'll be at the chest tournament and win!            |
| Copy  Delete | 3         | I'll see you guys at the meet and greet. I can't... |
| Copy  Delete | 4         | WOW DUDE YOU'RE SO GOOD!                            |

Public Events:

✓ Showing rows 0 - 2 (3 total, Query took 0.0005 seconds.)

```
SELECT * FROM event E, approvespub Pu WHERE E.eventId = Pu.eventId
```

| eventId | eventName                       | category | eventDescription                                      | time     | date       | phoneNo      | eventEmail               | privacy | locationName         |
|---------|---------------------------------|----------|---|----------|------------|--------------|--------------------------|---------|----------------------|
| 1       | UCF vs Kansas (Mens Basketball) | Sports   | Watch as UCF takes on Kansas in the quarter finals... | 19:00:00 | 2017-04-20 | 407-128-2048 | knightro@knights.ucf.edu | public  | CFE Arena            |
| 3       | Chess Club Meet and Greet       | Social   | Come meet the UCF Chess club! There will be free f... | 16:00:00 | 2017-07-11 | 407-111-9999 | dannys94@knights.ucf.edu | public  | John C. Hitt Library |
| 5       | Throwing and Catching           | Sports   | Come to throw things as well as catch them.           | 19:30:00 | 2017-05-06 | 301-910-0305 | dannys94@knights.ucf.edu | public  | UCF IM Fields        |

Private Events:

✓ Showing rows 0 - 0 (1 total, Query took 0.0011 seconds.)

```
SELECT * FROM event E, approvespriv Pr, userstudent S, useradmin A, userStudent A2, hosts H WHERE E.eventId = Pr.eventId AND H.userID = A.userID AND H.eventId = E.eventId AND A2.userID = A.userID AND S.userID = 3 AND S.university = A2.university
```

| eventId | eventName        | category    | eventDescription                                    | time     | date       | phoneNo      | eventEmail               | privacy | locationName         |
|---------|------------------|-------------|---|----------|------------|--------------|--------------------------|---------|----------------------|
| 2       | Chess Tournament | Competition | Try your best to win this year's UCF Chess maste... | 17:00:00 | 2017-04-21 | 407-111-9999 | dannys94@knights.ucf.edu | private | John C. Hitt Library |

RSO Events:

✓ Showing rows 0 - 2 (3 total, Query took 0.1295 seconds.)

```
SELECT * FROM event E, useradmin A, hosts H, rso R, joins J, makes M WHERE H.eventId = E.eventId AND H.userID = A.userID AND M.userID = A.userID AND M.RSOId = R.RSOId AND J.userID = 3 AND J.RSOId = R.RSOId AND E.privacy = 'rso'
```

| eventId | eventName           | category | eventDescription                                      | time     | date       | phoneNo      | eventEmail               | privacy | locationName         |
|---------|---------------------|----------|---|----------|------------|--------------|--------------------------|---------|----------------------|
| 4       | Chess Club Election | Politics | Nominate and vote for your 2017/2018 leaders for t... | 18:00:00 | 2017-05-01 | 407-111-9999 | dannys94@knights.ucf.edu | rso     | John C. Hitt Library |
| 4       | Chess Club Election | Politics | Nominate and vote for your 2017/2018 leaders for t... | 18:00:00 | 2017-05-01 | 407-111-9999 | dannys94@knights.ucf.edu | rso     | John C. Hitt Library |
| 4       | Chess Club Election | Politics | Nominate and vote for your 2017/2018 leaders for t... | 18:00:00 | 2017-05-01 | 407-111-9999 | dannys94@knights.ucf.edu | rso     | John C. Hitt Library |

## Software Installation

### Software Installation:

1. Download source code and extract the folder within.
2. Download and install MAMP.
3. Run MAMP and click on “Preferences...”
4. Click on “Web Server” tab then “Select...”.
5. Select the folder you extracted in step 1 and click “OK”.
6. Start the Server.

### Import SQL files into phpMyAdmin:

1. Go into phpMyAdmin.
2. Download the sql file (from the zip).
3. Create a table in phpMyAdmin with the name “db4710”.
4. Drag and drop the sql file into the newly created database.

### Launching Website and Logging In:

1. In MAMP, go into preferences and web server and then set the document root to the htdocs folder of MAMP.
2. Place the assets folder and all php files into the htdocs folder.
3. Open the start page of MAMP and run the url above, but delete “/MAMP/”.
4. Register an account (we recommend make a super admin account first and then create a university profile, otherwise the event search will be messed up).
5. In phpMyAdmin, change the userStatus under the users table for your account to “Y”. Do this for every account if you do not receive an email for authentication.
6. You can now log on and access the website.

## Conclusion

- Database Performance
  - No problems encountered with database speed or performance.
- Desired Features/Functionalities:
  - Feed from actual universities to populate our database with events and RSOs.
  - Social Network integration. More ways for students to filter the events in their feeds.
- Problems Encountered

- We constantly had to revise and update our database as we changed different functionalities on our website (i.e. changing the size for passwords to fit the encrypted password types). Constantly updating and upgrading our UI. Making our SQL queries work properly as well as being able to fetch the correct data from our queries.
- Things that have been learned from this project:
  - The importance of ER diagrams as well as relational data models. How to properly query for the information that we need. Creating a database as well as importing that database into phpMyAdmin. How to use php, HTML, javascript, and mysql for an actual web application.
- More things/skills needed to master to build a more advanced database app
  - Understanding the actual necessary tables to create a functional web application, we created too many relationship tables as well as entities.