Group Report - College Event Website

COP4710-0001 Fall 2019

Group 38 - Josh Delgado, Vincent Phan

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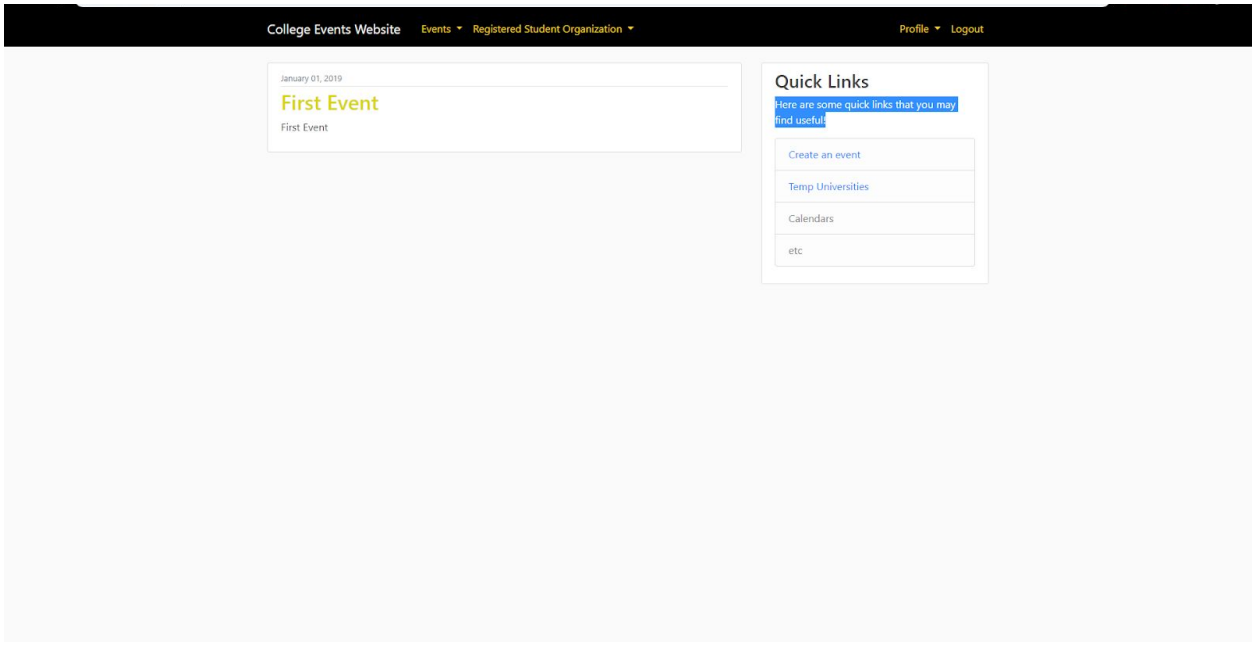
Project Description

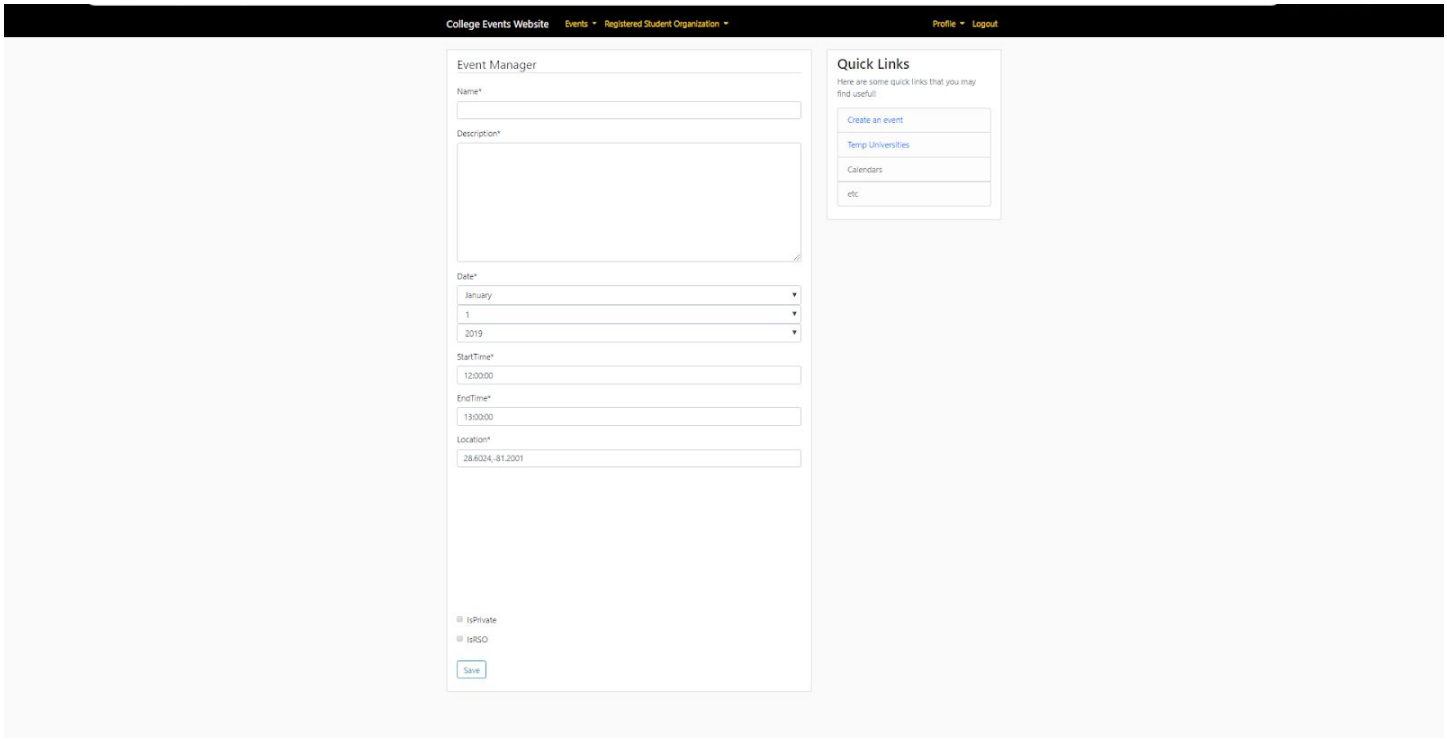
We have created a web application using the Django framework with a sqlite3 database. It allows users to create accounts of varying authority levels: student, admin, super admin, and then use those accounts based on the permissions they have to create or join registered student organizations (RSOs). Admins are able to create events with location and any user who has access to the event may add, edit, or delete their own comments.

GUI

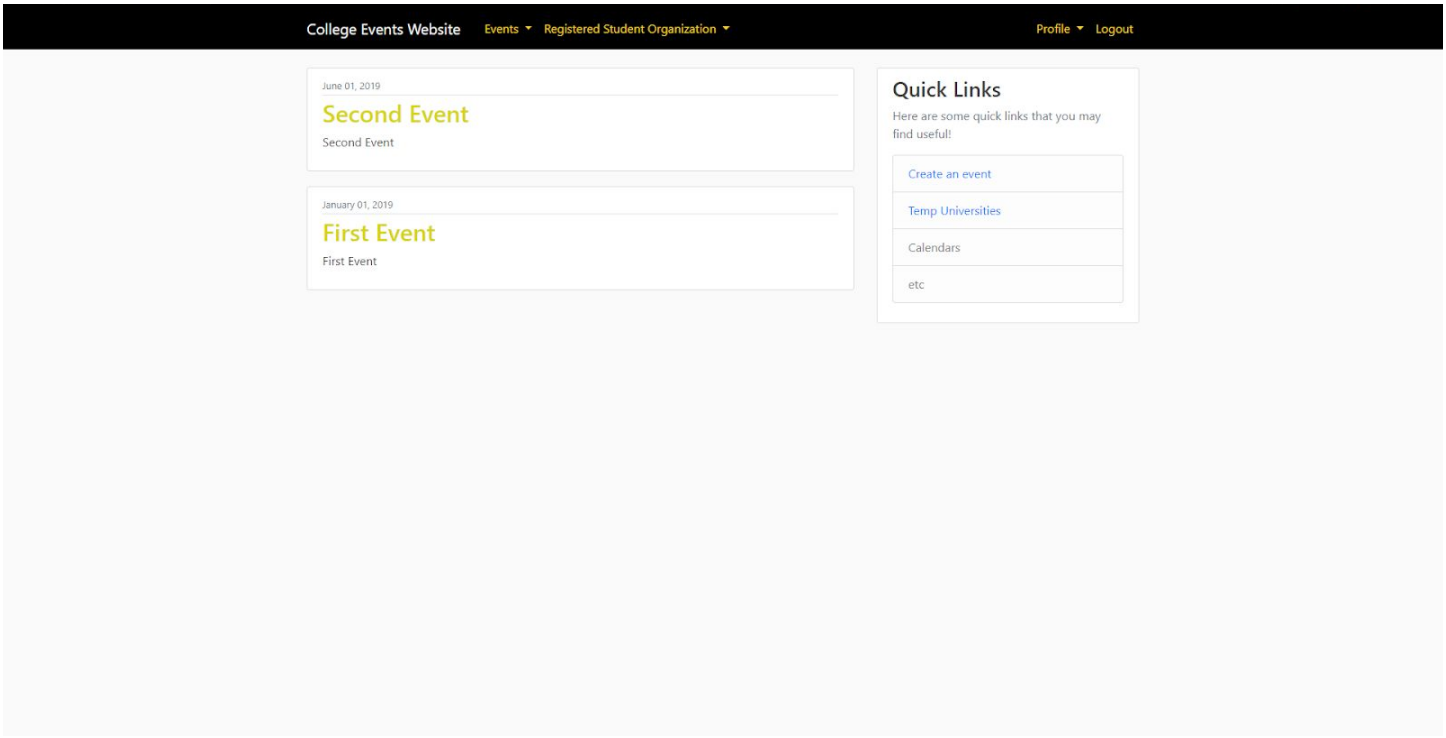
List of events



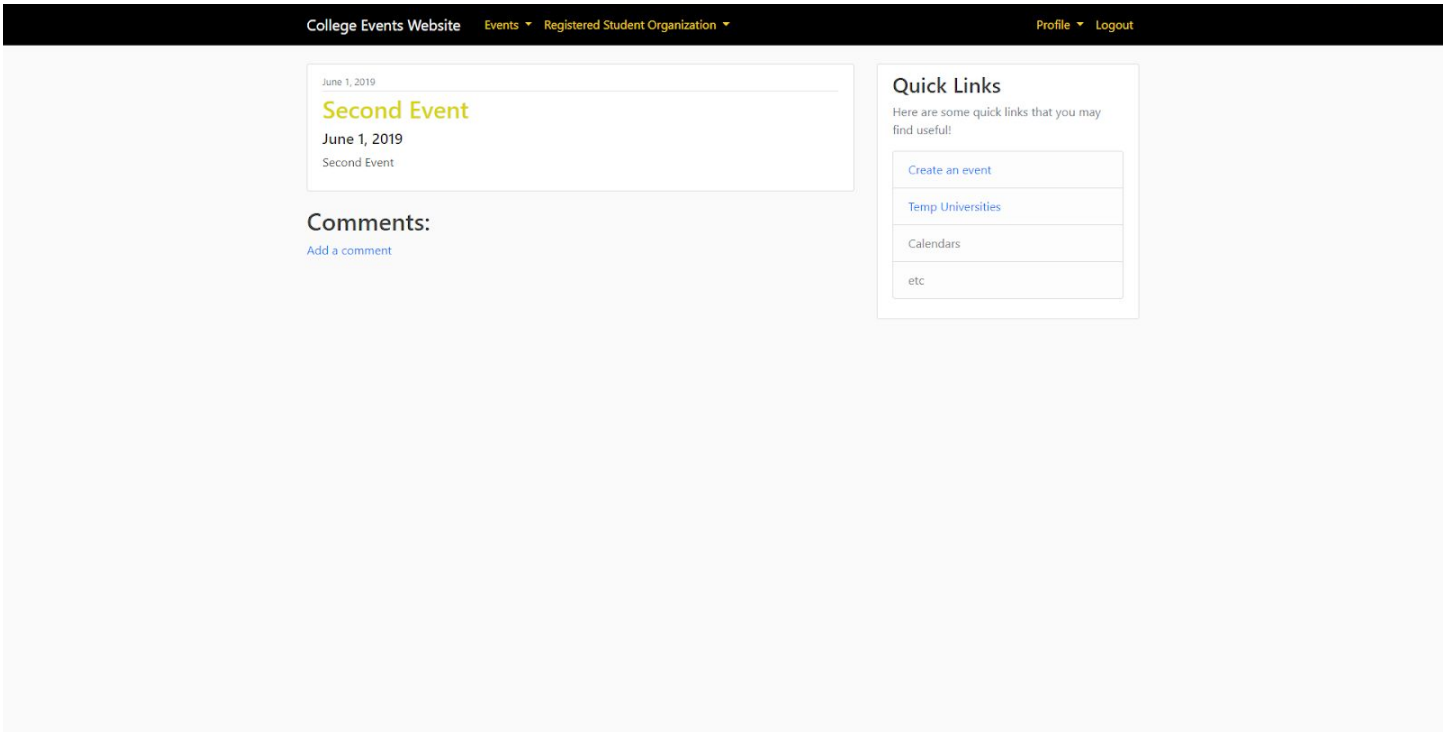
Creating an event



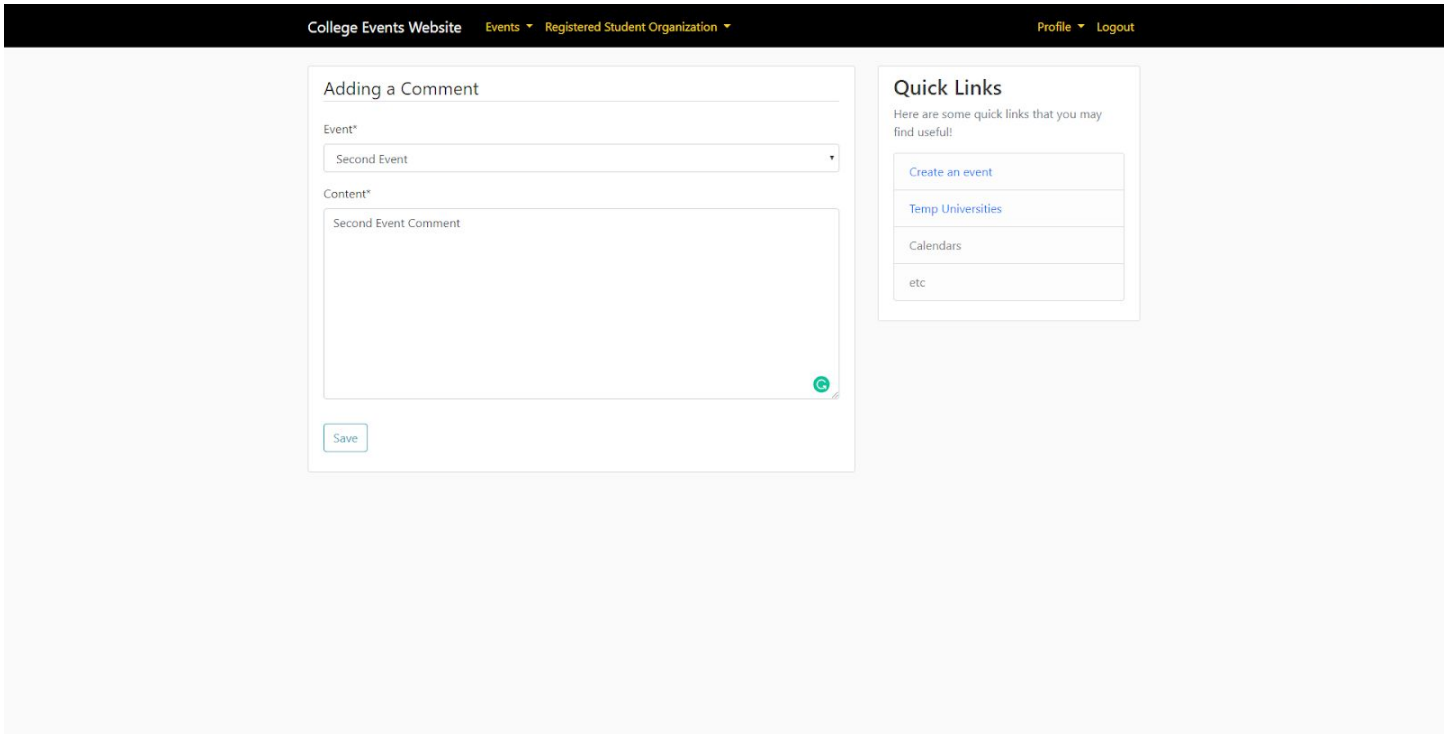
The updated list of events



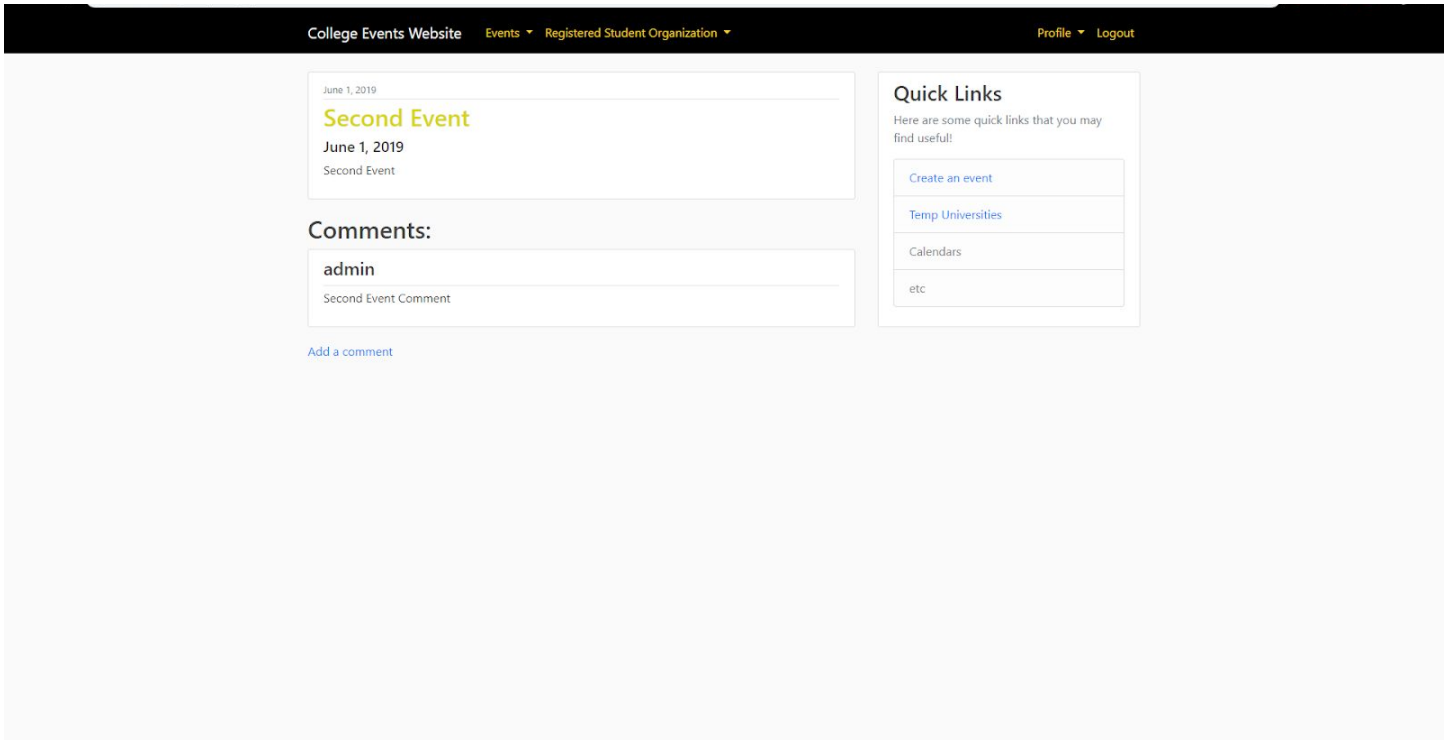
Viewing an event



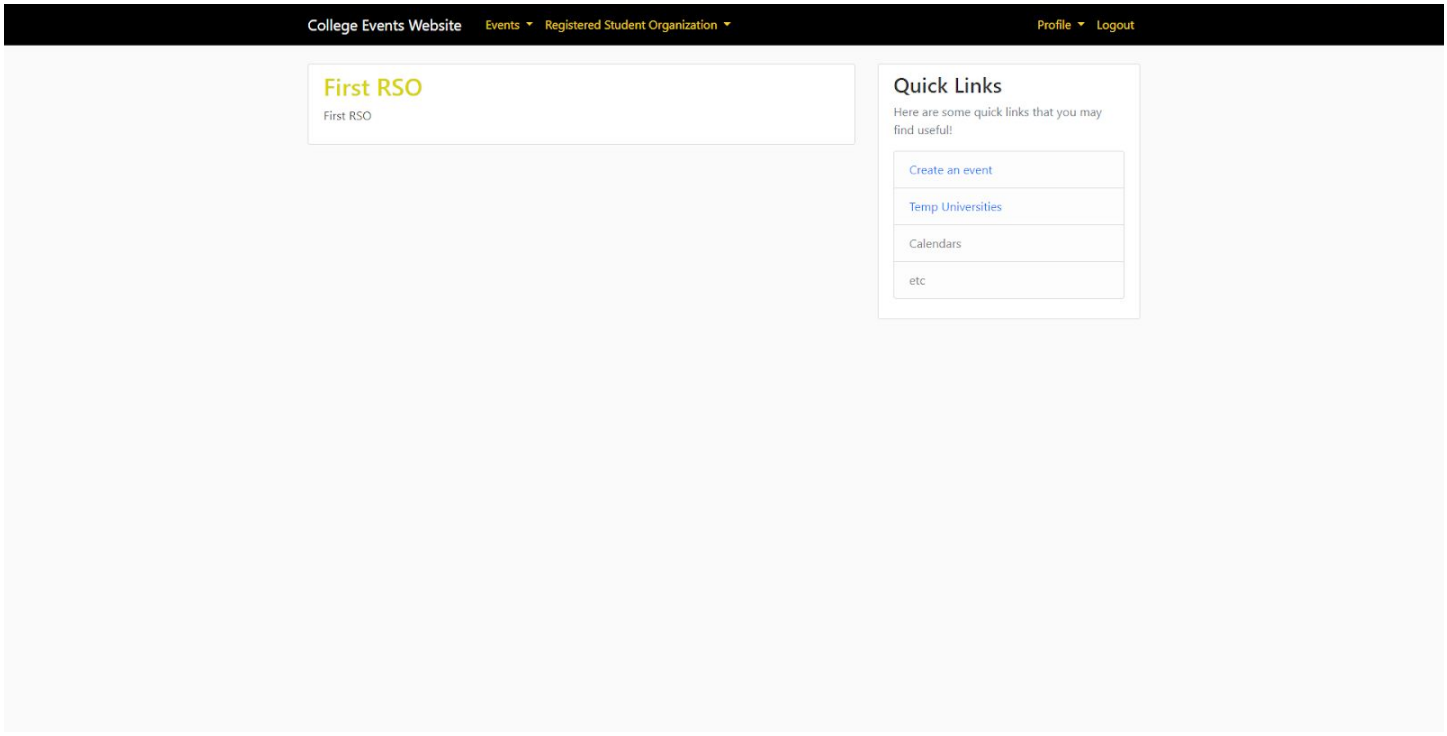
Adding a comment to the event



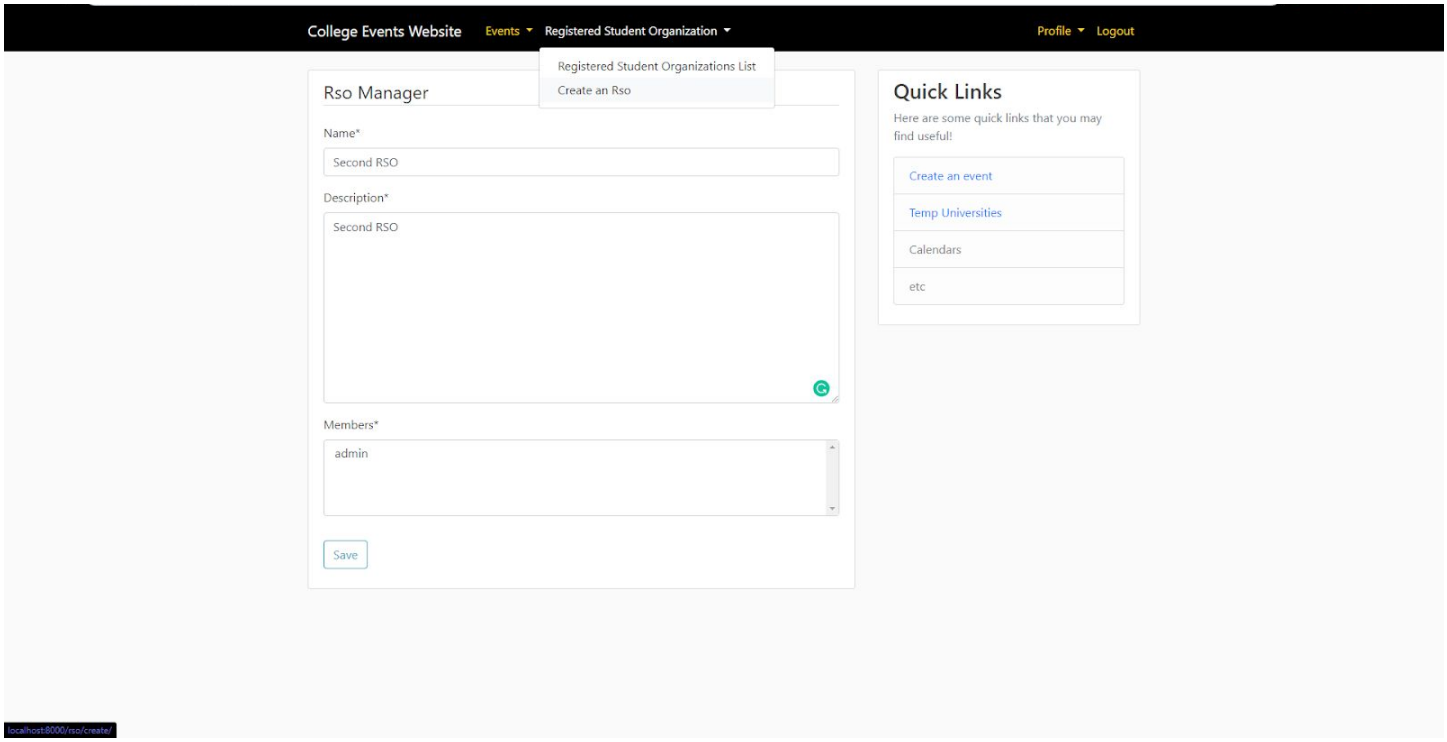
Viewing the new comment



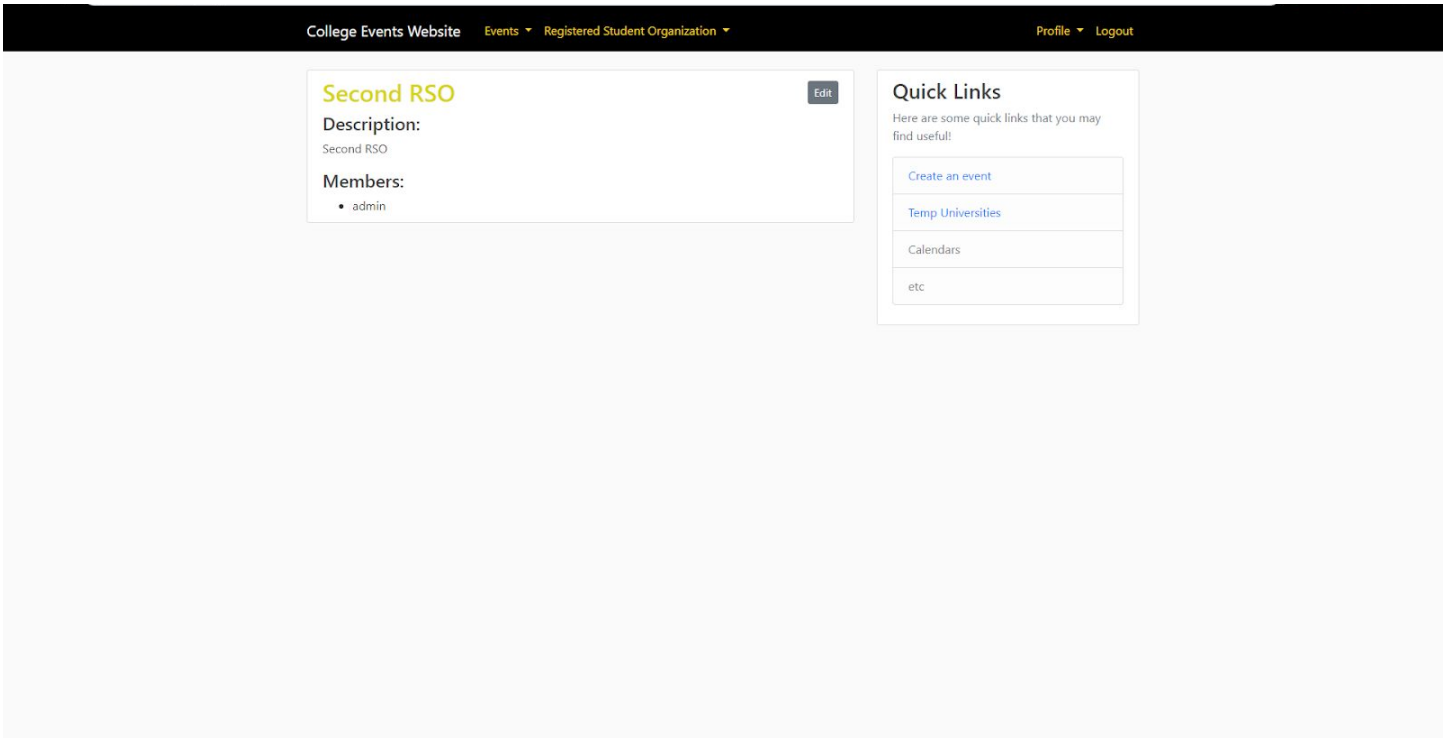
List of RSOs



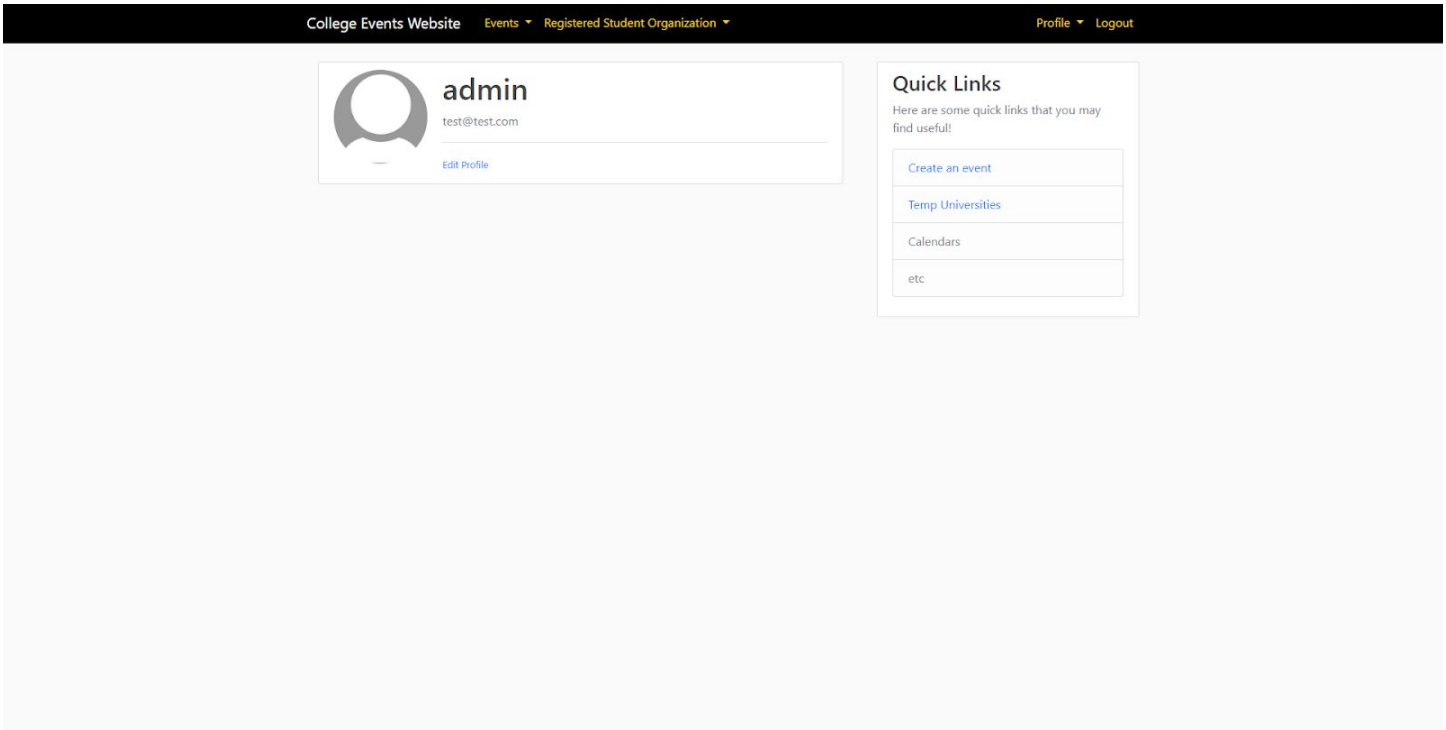
Creating an RSO



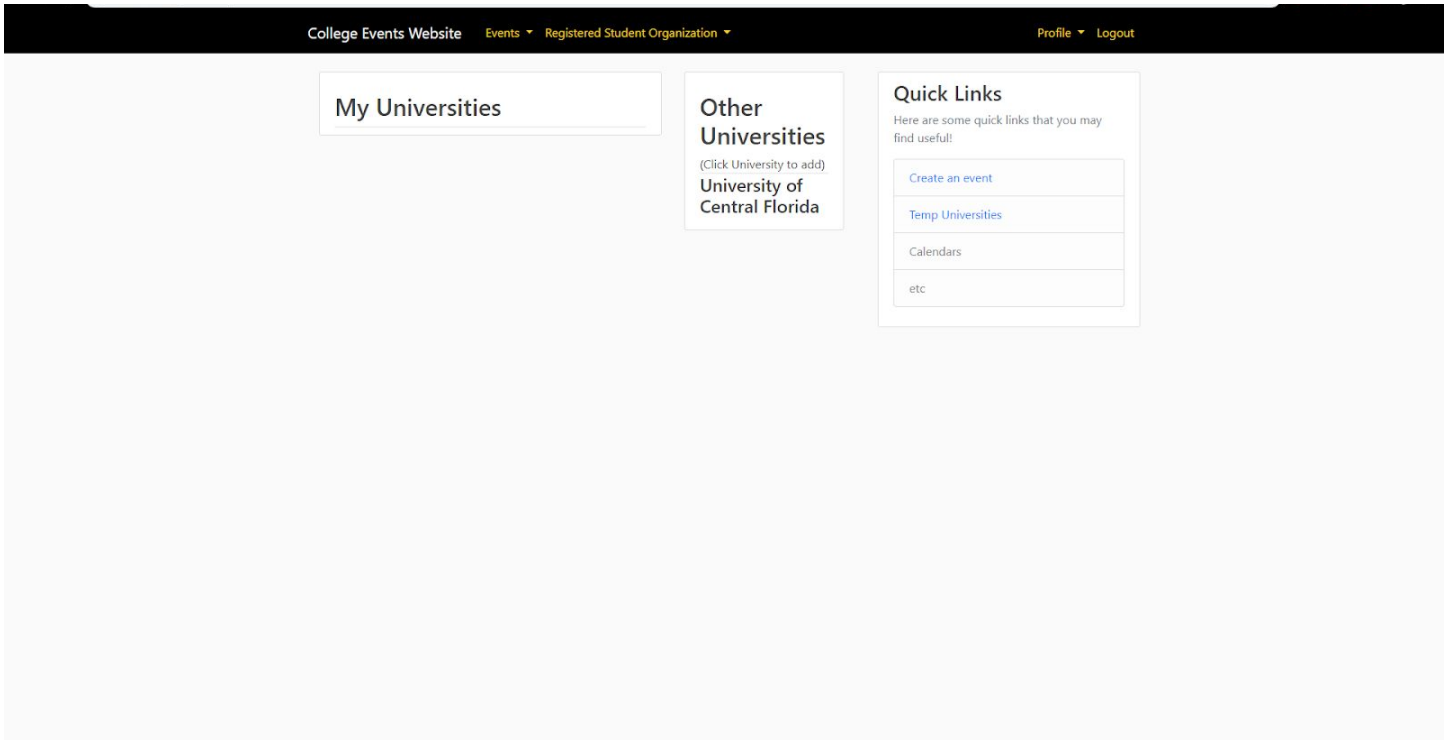
Viewing the new RSO

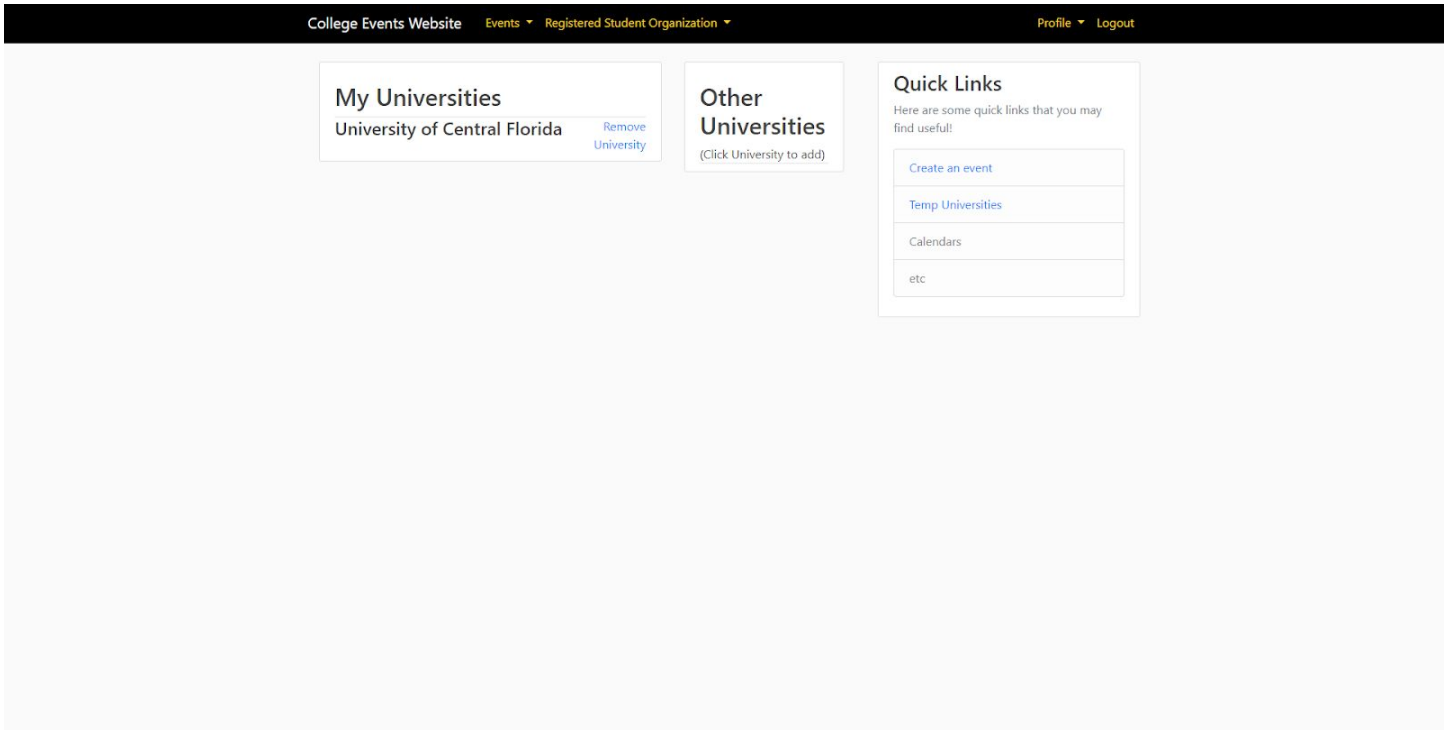


Profile Page

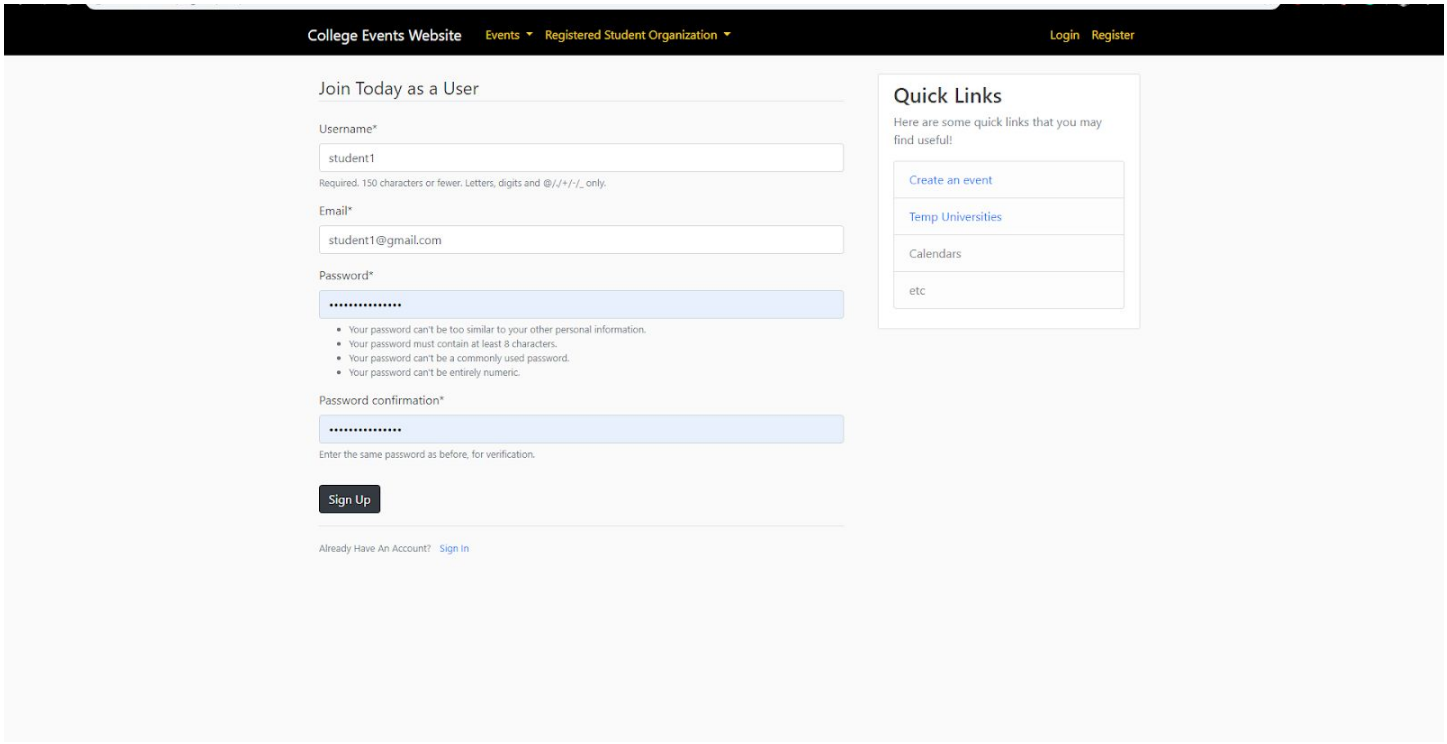


Joining a university

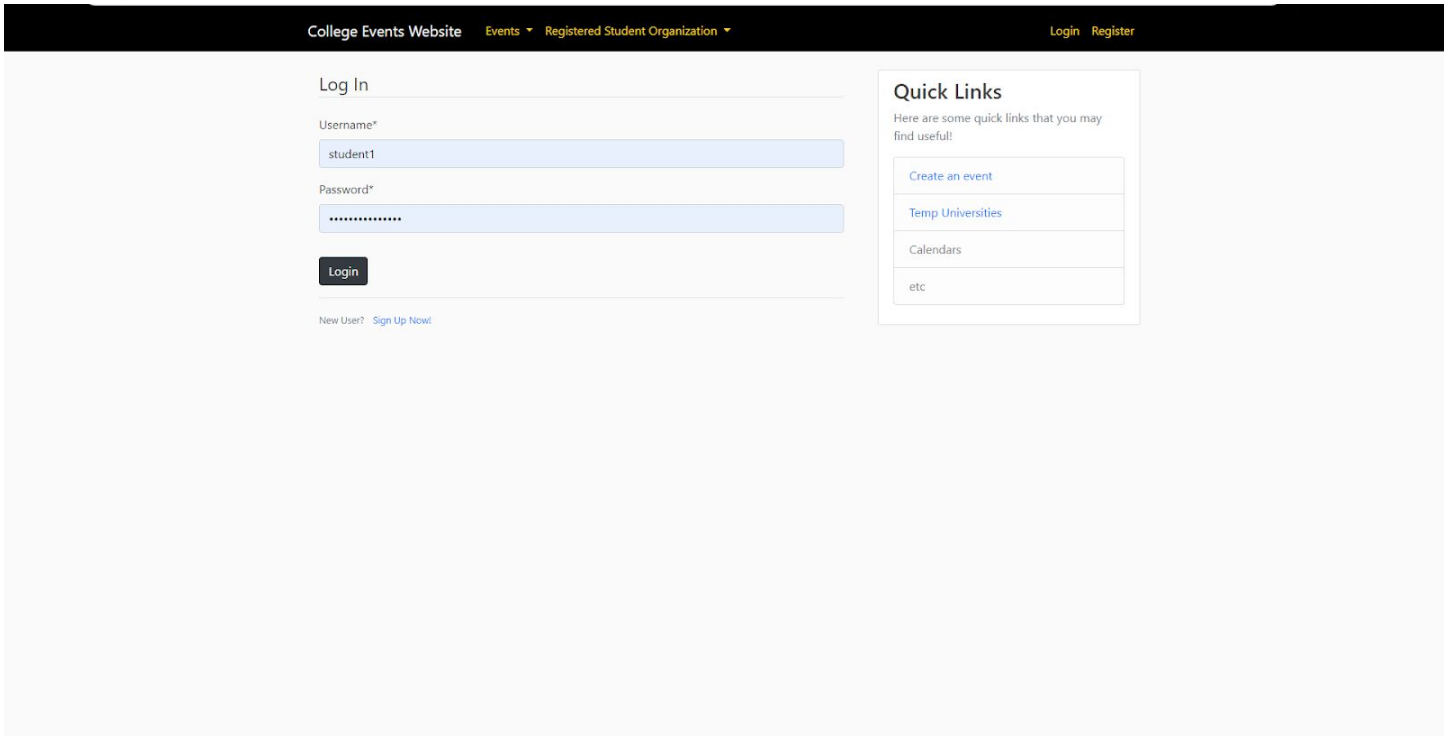




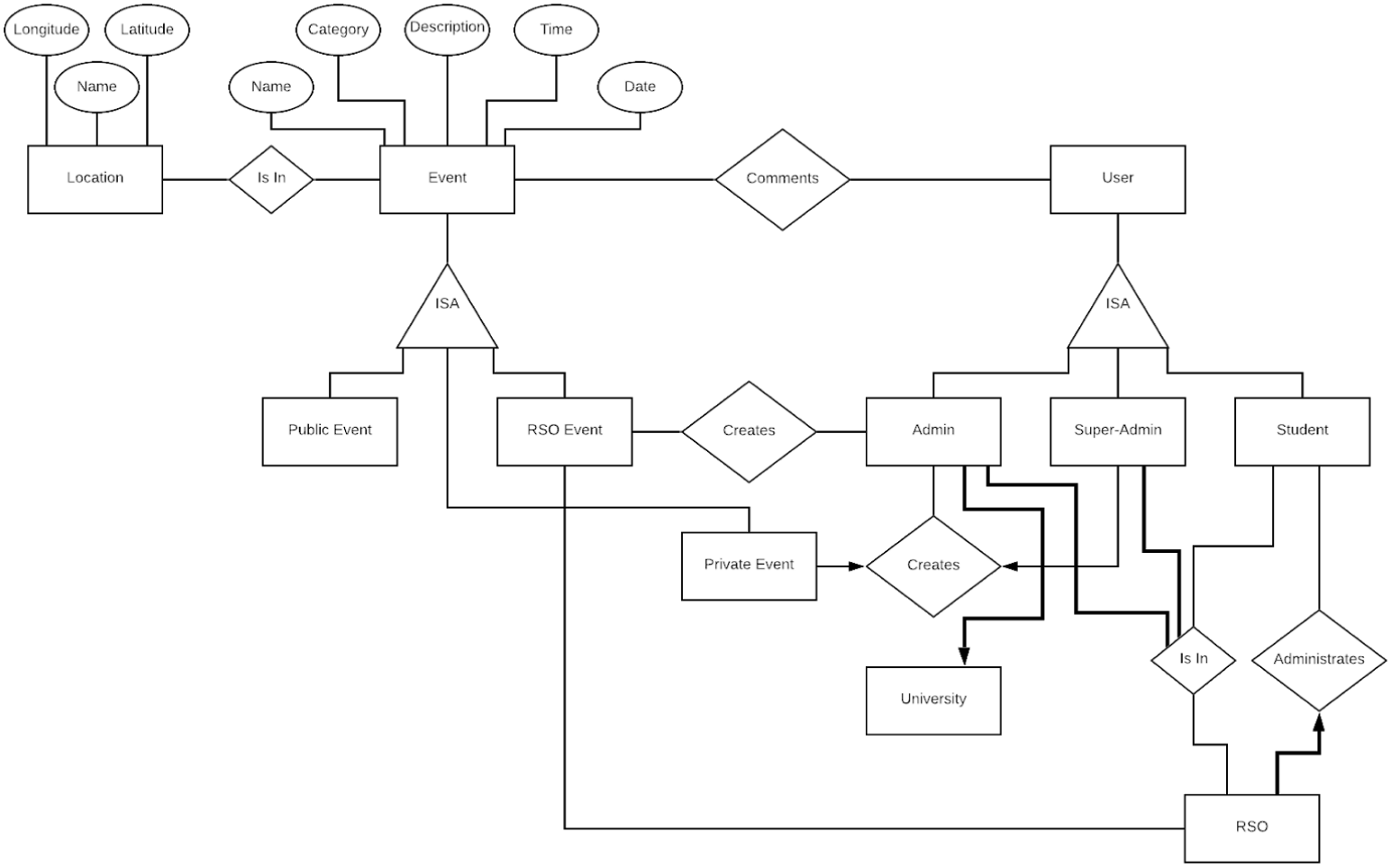
Creating a new user



Login page

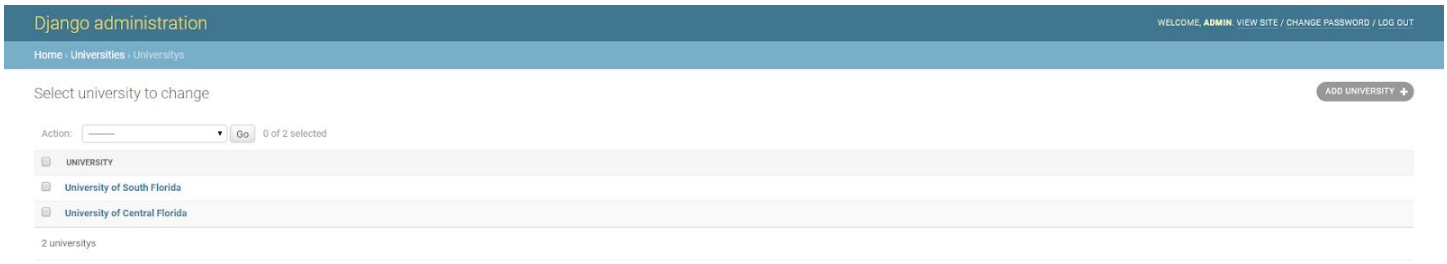


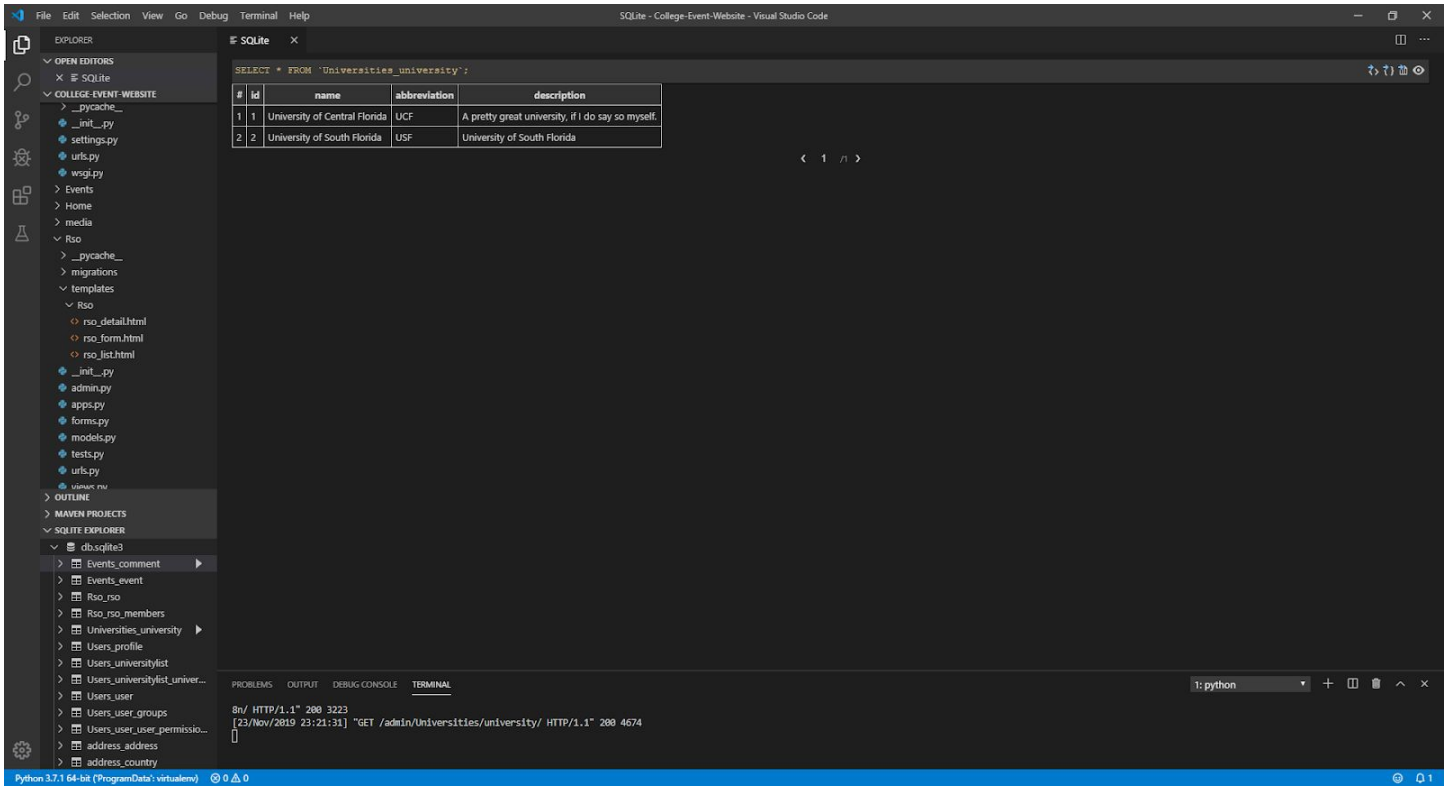
ER-Model


Longitude
Latitude
Name
Location
Is In
Name
Category
Description
Time
Date
Event
Comments
User
ISA
ISA
Public Event
RSO Event
Creates
Admin
Super-Admin
Student
Private Event
Creates
Is In
Administrates
University
RSO

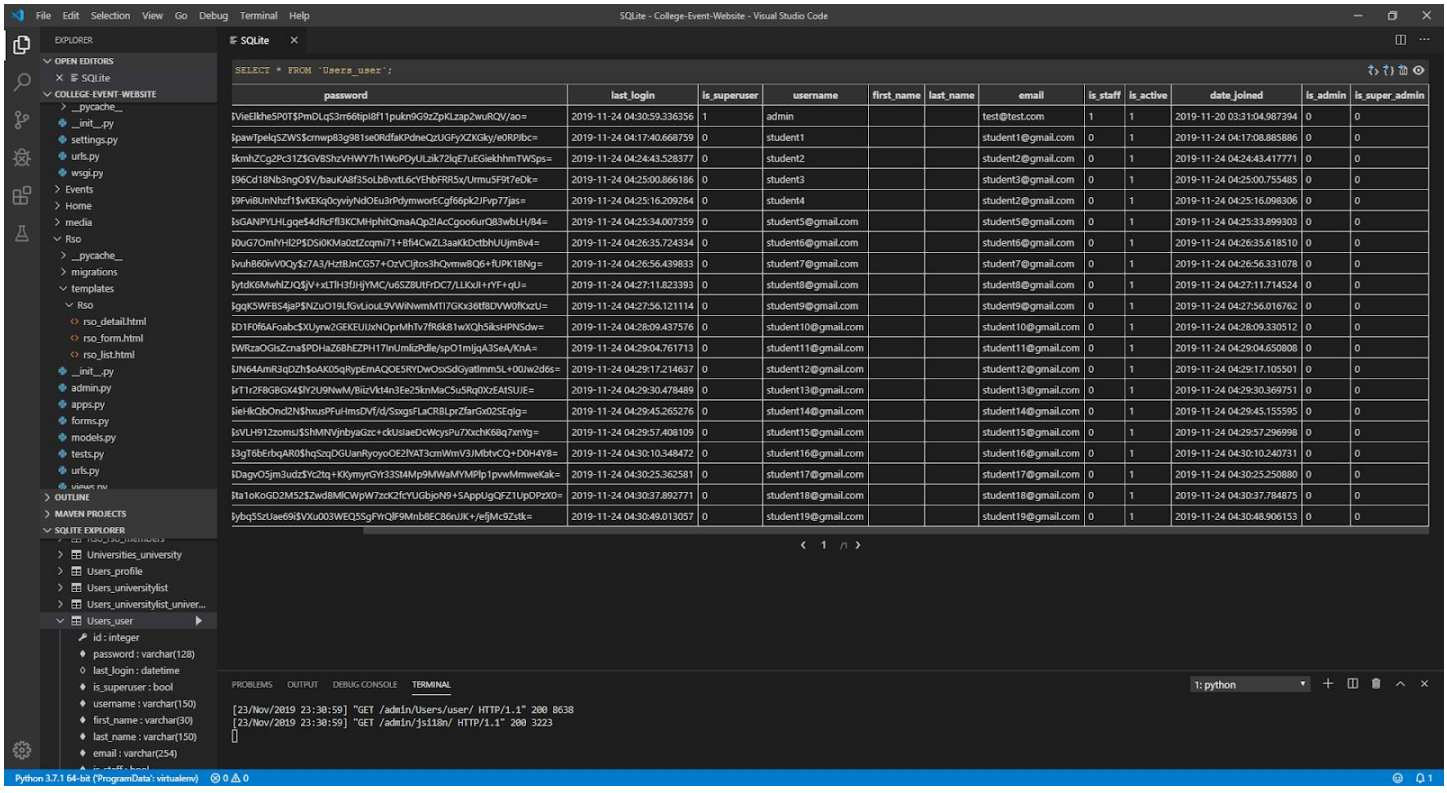
Sample Data

Two universities

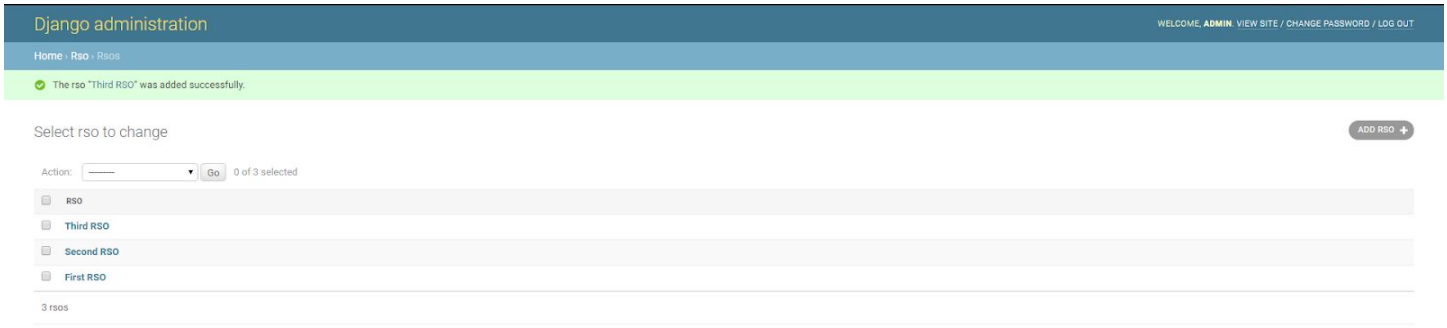


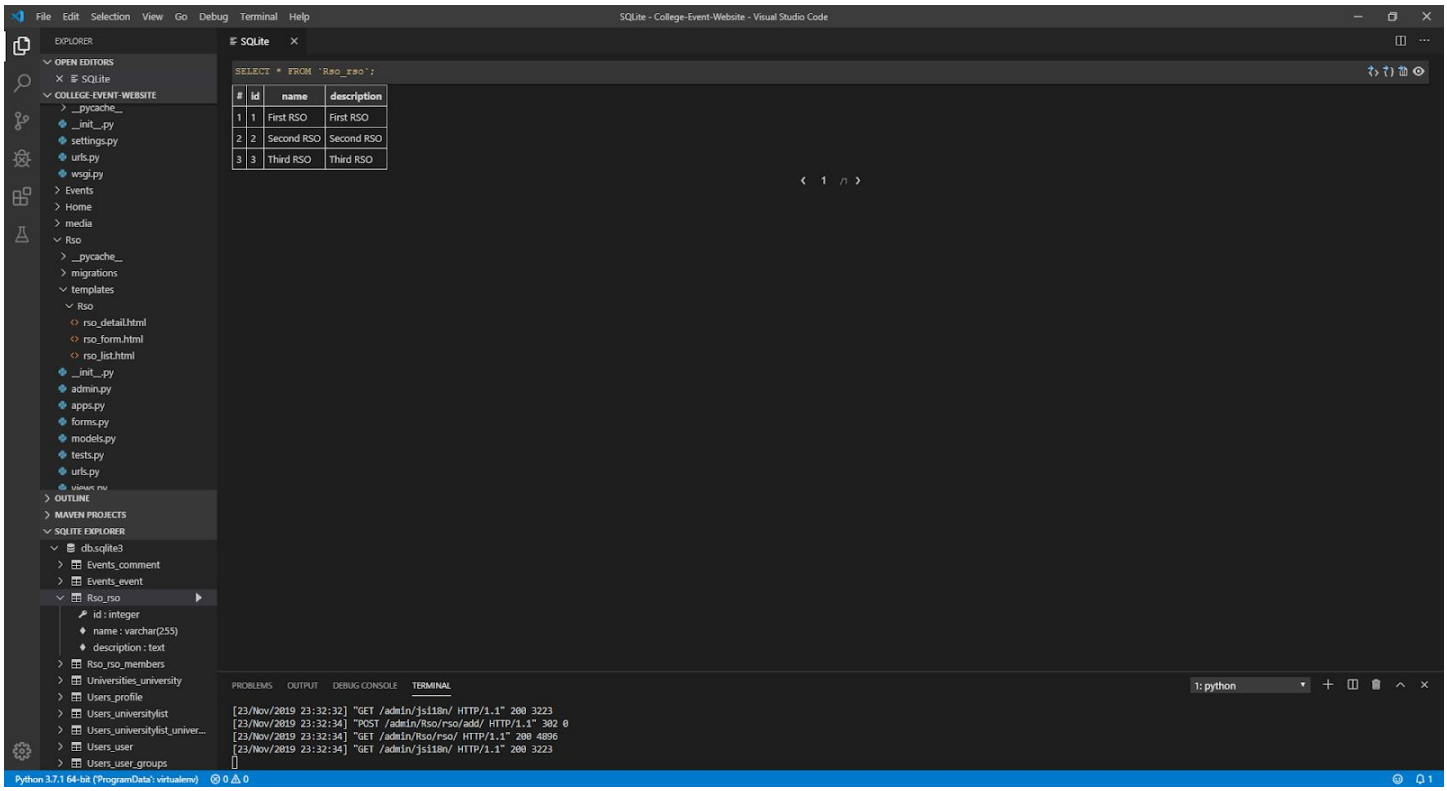


20 users



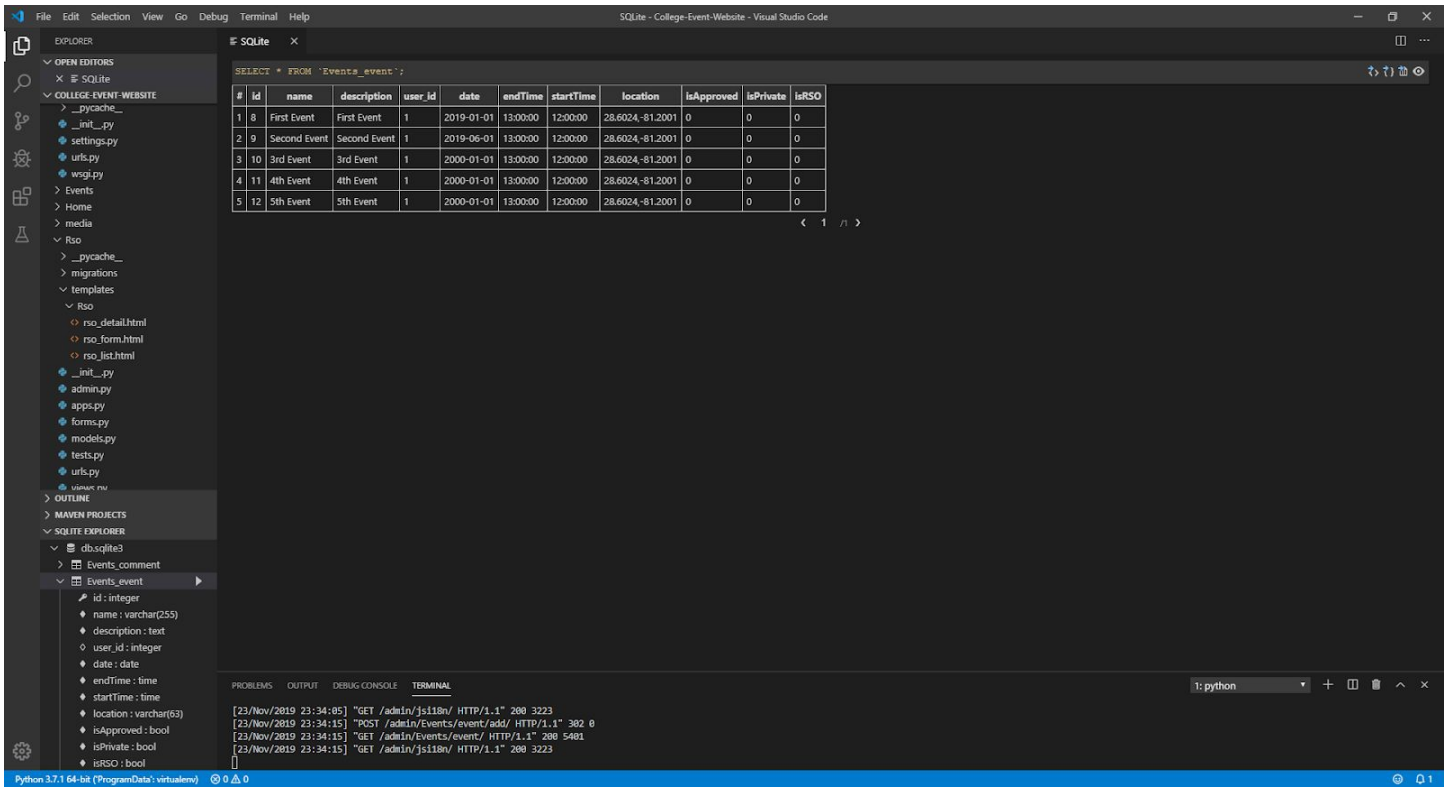
3 RSOs


Django administration
WELCOME, ADMIN. VIEW SITE / CHANGE PASSWORD / LOG OUT
Home › Rso › Rsos
The rso "Third RSO" was added successfully.
Select rso to change
ADD RSO
Action:
Go
0 of 3 selected
RSO
Third RSO
Second RSO
First RSO
3 rsos


File Edit Selection View Go Debug Terminal Help
SQLite - College-Event-Website - Visual Studio Code
EXPLORER
OPEN EDITORS
SQLite
COLLEGE-EVENT-WEBSITE
__pycache__
__init__.py
settings.py
urls.py
wsgi.py
Events
Home
media
Rso
__pycache__
migrations
templates
Rso
rso_detail.html
rso_form.html
rso_list.html
__init__.py
admin.py
apps.py
forms.py
models.py
tests.py
urls.py
OUTLINE
MAVEN PROJECTS
SQLITE EXPLORER
db.sqlite3
Events_comment
Events_event
Rso_rso
id : integer
name : varchar(255)
description : text
Rso_rso_members
Universities_university
Users_profile
Users_universitylist
Users_universitylist_univer...
Users_user
Users_user_groups
SQLite
SELECT * FROM `Rso_rso`;
id name description
1 1 First RSO First RSO
2 2 Second RSO Second RSO
3 3 Third RSO Third RSO
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
1: python
[23/Nov/2019 23:32:32] "GET /admin/jsi18n/ HTTP/1.1" 200 3223
[23/Nov/2019 23:32:34] "POST /admin/Rso/rso/add/ HTTP/1.1" 302 0
[23/Nov/2019 23:32:34] "GET /admin/Rso/rso/ HTTP/1.1" 200 4896
[23/Nov/2019 23:32:34] "GET /admin/jsi18n/ HTTP/1.1" 200 3223
Python 3.7.1 64-bit ('ProgramData': virtualenv)

5 Events

Django administration
WELCOME, ADMIN. VIEW SITE / CHANGE PASSWORD / LOG OUT
Home › Events › Events
The event "5th Event" was added successfully.
Select event to change
ADD EVENT
Action: ——— Go 0 of 5 selected
EVENT
5th Event
4th Event
3rd Event
Second Event
First Event
5 events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SQLite - College-Event-Website - Visual Studio Code
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OPEN EDITORS
SQLite
COLLEGE-EVENT-WEBSITE
__pycache__
__init__.py
settings.py
urls.py
wsgi.py
Events
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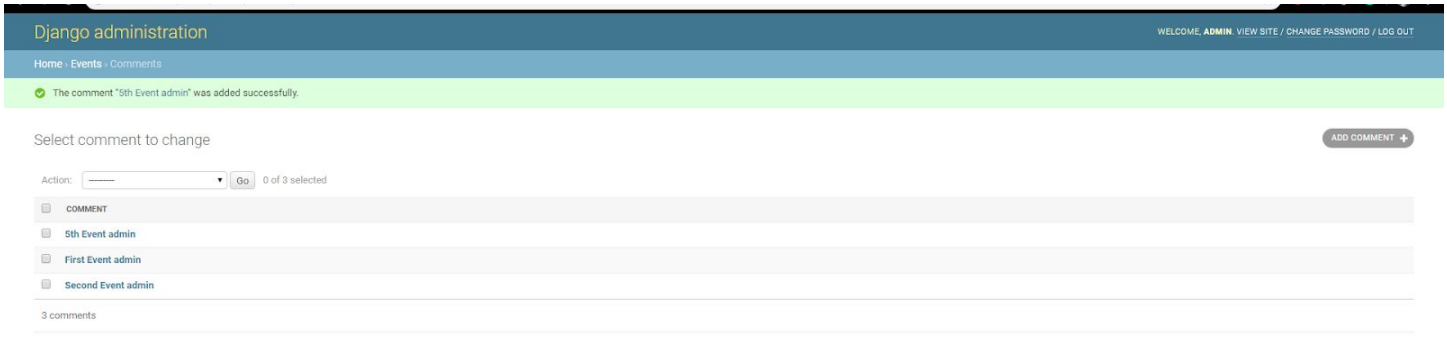
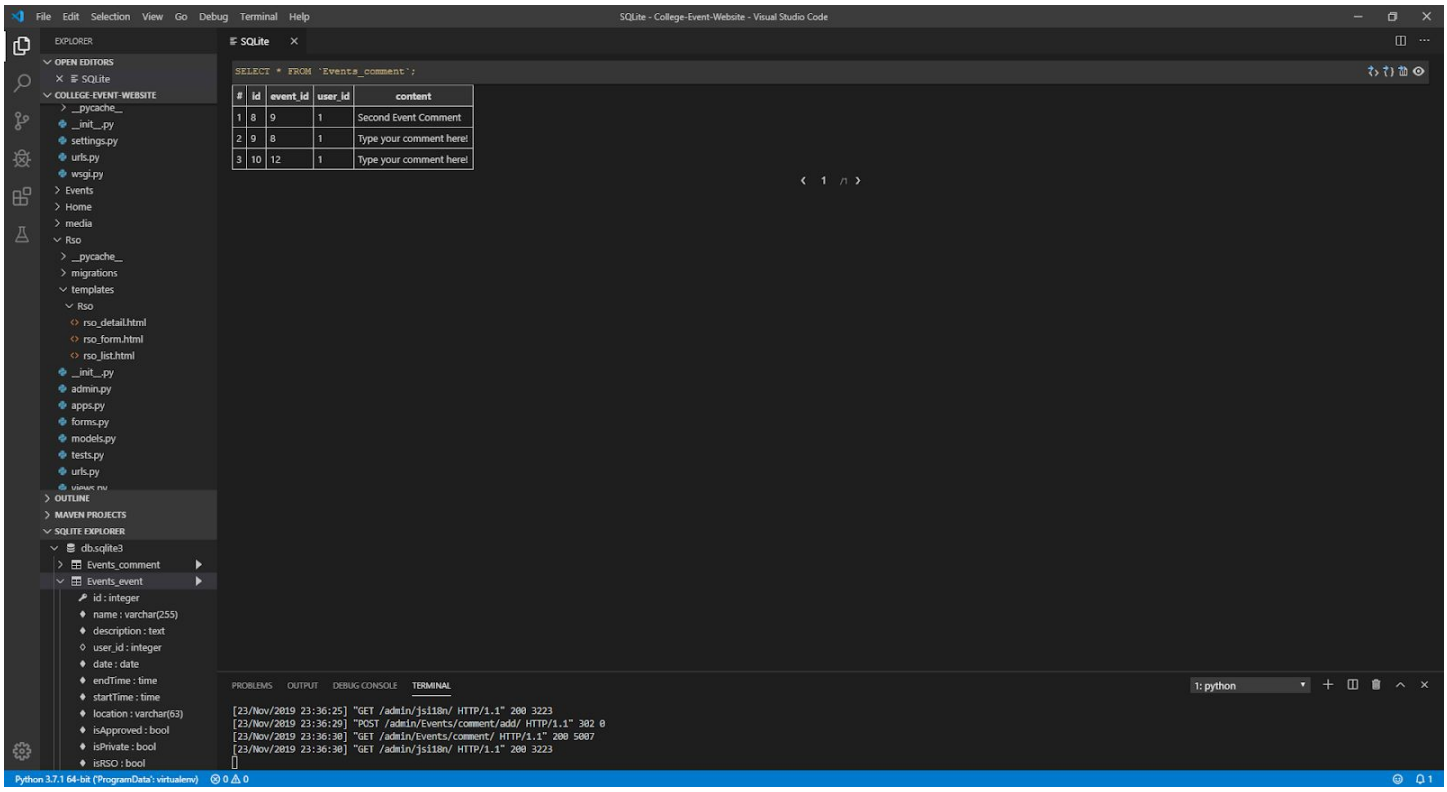
media
Rso
__pycache__
migrations
templates
Rso
rso_detail.html
rso_form.html
rso_list.html
__init__.py
admin.py
apps.py
forms.py
models.py
tests.py
urls.py
OUTLINE
MAVEN PROJECTS
SQLITE EXPLORER
db.sqlite3
Events_comment
Events_event
id : integer
name : varchar(255)
description : text
user_id : integer
date : date
endTime : time
startTime : time
location : varchar(63)
isApproved : bool
isPrivate : bool
isRSO : bool
SQLite
SELECT * FROM `Events_event`;
id name description user_id date endTime startTime location isApproved isPrivate isRSO
1 8 First Event First Event 1 2019-01-01 13:00:00 12:00:00 28.6024,-81.2001 0 0 0
2 9 Second Event Second Event 1 2019-06-01 13:00:00 12:00:00 28.6024,-81.2001 0 0 0
3 10 3rd Event 3rd Event 1 2000-01-01 13:00:00 12:00:00 28.6024,-81.2001 0 0 0
4 11 4th Event 4th Event 1 2000-01-01 13:00:00 12:00:00 28.6024,-81.2001 0 0 0
5 12 5th Event 5th Event 1 2000-01-01 13:00:00 12:00:00 28.6024,-81.2001 0 0 0
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
1: python
[23/Nov/2019 23:34:05] "GET /admin/jsi18n/ HTTP/1.1" 200 3223
[23/Nov/2019 23:34:15] "POST /admin/Events/event/add/ HTTP/1.1" 302 0
[23/Nov/2019 23:34:15] "GET /admin/Events/event/ HTTP/1.1" 200 5401
[23/Nov/2019 23:34:15] "GET /admin/jsi18n/ HTTP/1.1" 200 3223
Python 3.7.1 64-bit ('ProgramData': virtualenv)

3 Comments


Django administration
WELCOME, ADMIN. VIEW SITE / CHANGE PASSWORD / LOG OUT
Home › Events › Comments
The comment "5th Event admin" was added successfully.
Select comment to change
ADD COMMENT
Action:
Go
0 of 3 selected
COMMENT
5th Event admin
First Event admin
Second Event admin
3 comments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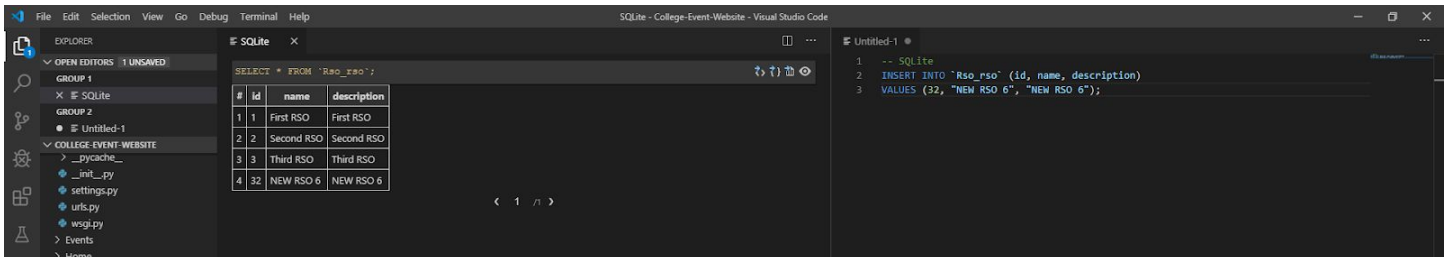
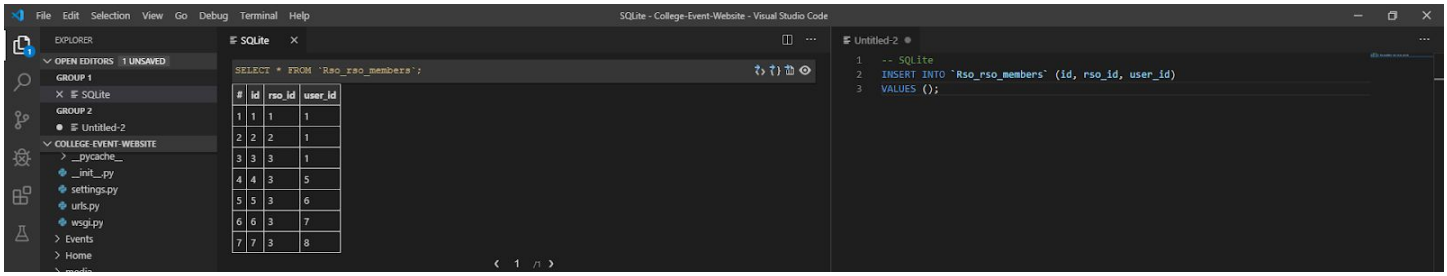
rso_form.html
rso_list.html
__init__.py
admin.py
apps.py
forms.py
models.py
tests.py
urls.py
OUTLINE
MAVEN PROJECTS
SQLITE EXPLORER
db.sqlite3
Events_comment
Events_event
id : integer
name : varchar(255)
description : text
user_id : integer
date : date
endTime : time
startTime : time
location : varchar(63)
isApproved : bool
isPrivate : bool
isRSO : bool
SQLite
SELECT * FROM `Events_comment`;
id event_id user_id content
1 8 9 1 Second Event Comment
2 9 8 1 Type your comment here!
3 10 12 1 Type your comment here!
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
1: python
[23/Nov/2019 23:36:25] "GET /admin/jsi18n/ HTTP/1.1" 200 3223
[23/Nov/2019 23:36:29] "POST /admin/Events/comment/add/ HTTP/1.1" 302 0
[23/Nov/2019 23:36:30] "GET /admin/Events/comment/ HTTP/1.1" 200 5007
[23/Nov/2019 23:36:30] "GET /admin/jsi18n/ HTTP/1.1" 200 3223
Python 3.7.1 64-bit ('ProgramData': virtualenv)

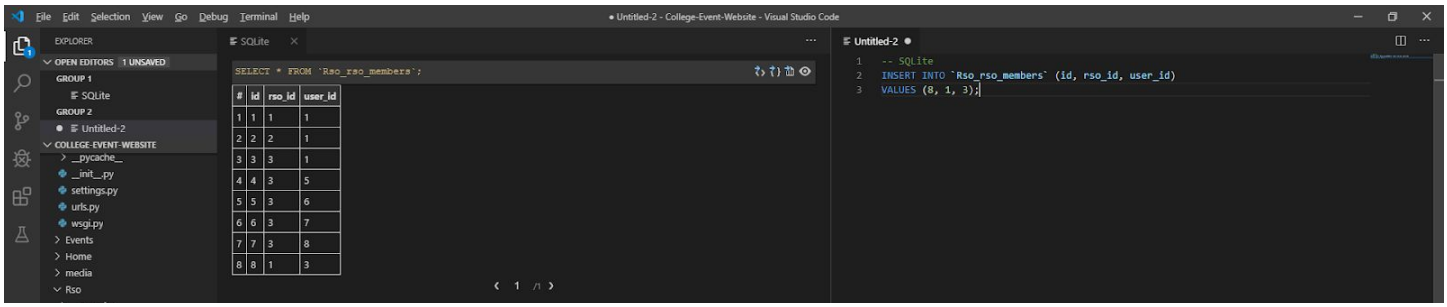
SQL Examples

Add an RSO

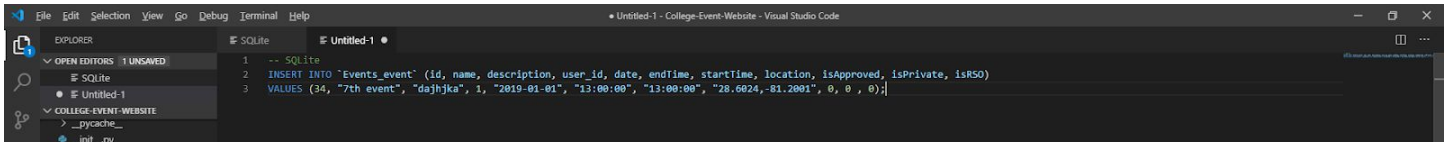


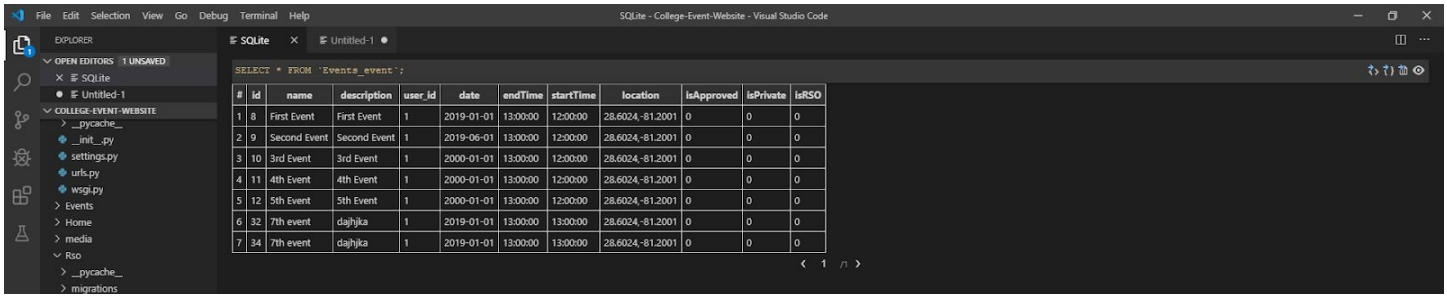
Add a new member





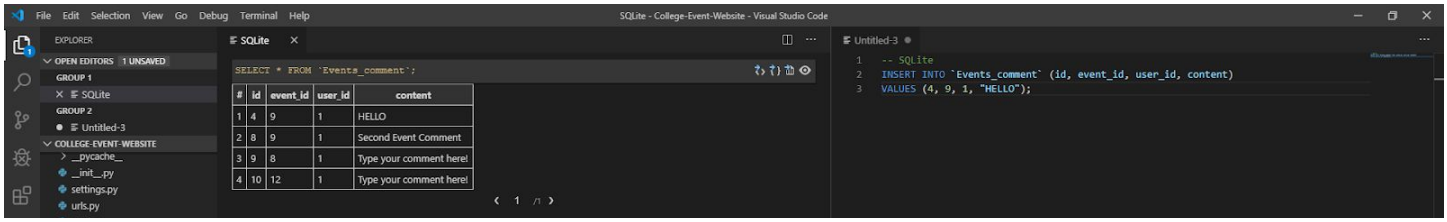
Add an event





#	id	name	description	user_id	date	endTime	startTime	location	isApproved	isPrivate	isRSO
1	8	First Event	First Event	1	2019-01-01	13:00:00	12:00:00	28.6024,-81.2001	0	0	0
2	9	Second Event	Second Event	1	2019-06-01	13:00:00	12:00:00	28.6024,-81.2001	0	0	0
3	10	3rd Event	3rd Event	1	2000-01-01	13:00:00	12:00:00	28.6024,-81.2001	0	0	0
4	11	4th Event	4th Event	1	2000-01-01	13:00:00	12:00:00	28.6024,-81.2001	0	0	0
5	12	5th Event	5th Event	1	2000-01-01	13:00:00	12:00:00	28.6024,-81.2001	0	0	0
6	32	7th event	dajhjka	1	2019-01-01	13:00:00	13:00:00	28.6024,-81.2001	0	0	0
7	34	7th event	dajhjka	1	2019-01-01	13:00:00	13:00:00	28.6024,-81.2001	0	0	0

Add a comment



Conclusion

Our database under small loads such as what we are using currently is at a speed that is acceptable for moderate usage. Indexes that could be stand to improved are maybe using the address, university or location to sort users. Generally, you only want users from the same location or university so indexing based on that may speed up queries. Some improved functionality we would like to see in our application may be images for each event and RSO. Maybe we could integrate the UCF login or query the UCF API so that the database could be prefilled with student accounts.