

Group Report - College Event Website

COP4710-0001 Fall 2019

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Project Description	2
GUI	3
ER-Model	4
3NF-Decomposition	5
Relational Data Model	6
Sample Data	7
SQL Examples	8
Constraint Enforcement	9
Conclusion	10

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

College Events Website

EventsRegistered Student Organization

ProfileLogout

January 01, 2019

First Event

First Event

Quick Links

Here are some quick links that you may find useful

Create an event

Temp Universities

Calendars

etc

Creating an event

College Events Website

EventsRegistered Student Organization

ProfileLogout

Event Manager

Name*

Description*

Date*

January

1

2019

StartTime*

12:00:00

EndTime*

13:00:00

Location*

29.6024,-81.2001

☐ isPrivate

☐ isRSO

Save

Quick Links

Here are some quick links that you may find useful

Create an event

Temp Universities

Calendars

etc

The updated list of events

College Events Website

Events ▾ Registered Student Organization ▾

Profile ▾ Logout

June 01, 2019

Second Event

Second Event

January 01, 2019

First Event

First Event

Quick Links

Here are some quick links that you may find useful!

Create an event

Temp Universities

Calendars

etc

Viewing an event

College Events Website

Events ▾ Registered Student Organization ▾

Profile ▾ Logout

June 1, 2019

Second Event

June 1, 2019

Second Event

Comments:

[Add a comment](#)

Quick Links

Here are some quick links that you may find useful!

Create an event

Temp Universities

Calendars

etc

Adding a comment to the event

College Events Website

EventsRegistered Student Organization

ProfileLogout

Adding a Comment

Event*

Second Event

Content*

Second Event Comment

Save

Quick Links

Here are some quick links that you may find useful!

Create an event

Temp Universities

Calendars

etc

Viewing the new comment

College Events Website

EventsRegistered Student Organization

ProfileLogout

June 1, 2019

Second Event

June 1, 2019

Second Event

Comments:

admin

Second Event Comment

Add a comment

Quick Links

Here are some quick links that you may find useful!

Create an event

Temp Universities

Calendars

etc

List of RSOs

College Events Website

EventsRegistered Student Organization

ProfileLogout

First RSO

First RSO

Quick Links

Here are some quick links that you may find useful!

Create an event

Temp Universities

Calendars

etc

Creating an RSO

College Events Website

EventsRegistered Student Organization

ProfileLogout

Rso Manager

Registered Student Organizations List

Create an Rso

Name*

Second RSO

Description*

Second RSO

Members*

admin

Save

Quick Links

Here are some quick links that you may find useful!

Create an event

Temp Universities

Calendars

etc

localhost8000/rso/create/

Viewing the new RSO

College Events Website

Events ▾ Registered Student Organization ▾

Profile ▾ Logout

Second RSO

Edit

Description:

Second RSO

Members:

- admin

Quick Links

Here are some quick links that you may find useful!

Create an event

Temp Universities

Calendars


etc

Profile Page

College Events Website

Events ▾ Registered Student Organization ▾

Profile ▾ Logout



admin

test@test.com

Edit Profile

Quick Links

Here are some quick links that you may find useful!

Create an event

Temp Universities

Calendars

etc

Joining a university

[College Events Website](#) [Events](#) [Registered Student Organization](#) [Profile](#) [Logout](#)

My Universities

Other Universities

(Click University to add)

University of Central Florida

Quick Links

Here are some quick links that you may find useful!

Create an event
Temp Universities
Calendars
etc

[College Events Website](#) [Events](#) [Registered Student Organization](#) [Profile](#) [Logout](#)

My Universities

University of Central Florida [Remove University](#)

Other Universities

(Click University to add)

Quick Links

Here are some quick links that you may find useful!

Create an event
Temp Universities
Calendars
etc

Creating a new user

College Events Website
Events
Registered Student Organization
Login
Register

Join Today as a User

Username*

student1

Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.

Email*

student1@gmail.com

Password*

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

Password confirmation*
Enter the same password as before, for verification.

Sign Up

Already Have An Account?
[Sign In](#)

Quick Links

Here are some quick links that you may find useful!

Create an event

Temp Universities

Calendars

etc

Login page

College Events Website
Events
Registered Student Organization
Login
Register

Log In

Username*

student1

Password*

Login

New User?
[Sign Up Now!](#)

Quick Links

Here are some quick links that you may find useful!

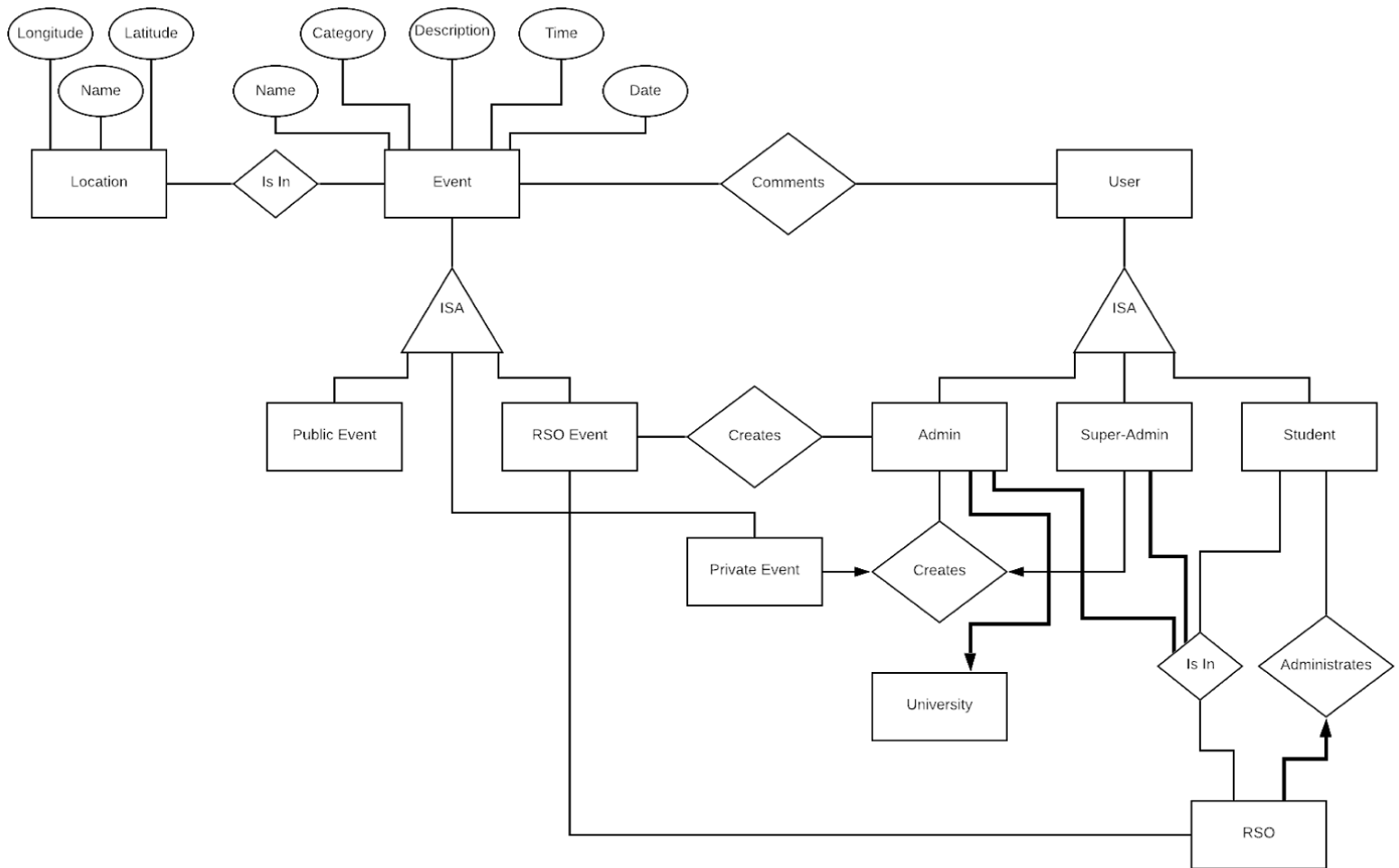
Create an event

Temp Universities

Calendars

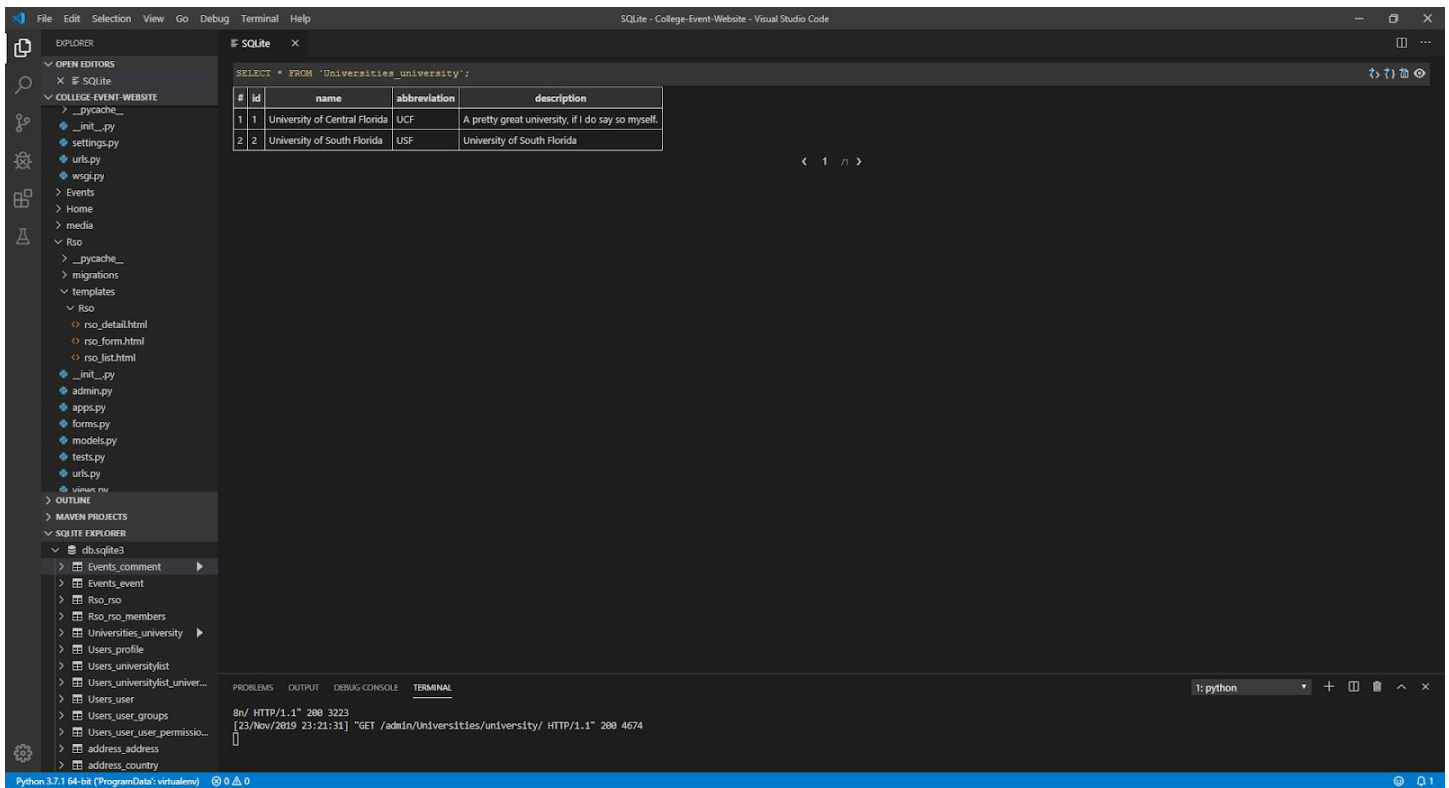
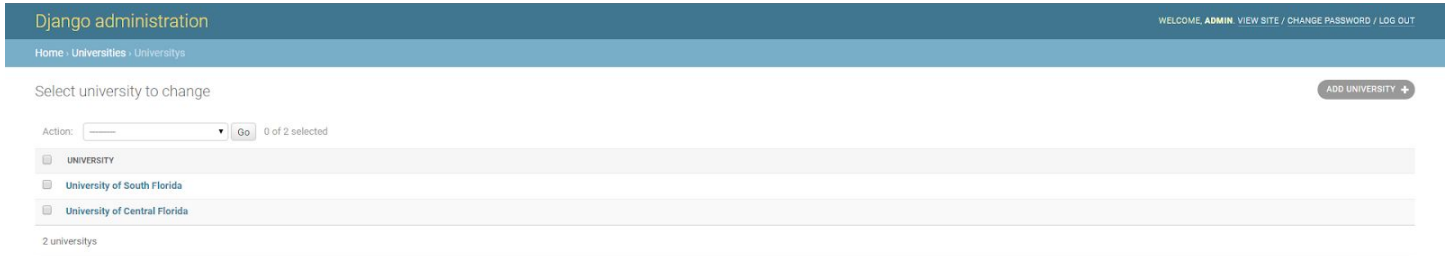
etc

ER-Model



Sample Data

Two universities



20 users

Home - Users - Users

Select user to change ADD USER +

Action: Go 0 of 20 selected

USER
student19@gmail.com
student18@gmail.com
student17@gmail.com
student16@gmail.com
student15@gmail.com
student14@gmail.com
student13@gmail.com
student12@gmail.com
student11@gmail.com
student10@gmail.com
student9@gmail.com
student8@gmail.com
student7@gmail.com
student6@gmail.com
student5@gmail.com
student4
student3
student2
student1
admin

20 users

SQLite - College-Event-Website - Visual Studio Code

SELECT * FROM 'Users_user';

password	last_login	is_superuser	username	first_name	last_name	email	is_staff	is_active	date_joined	is_admin	is_superuser
IvneIkheSPtMlQp3m66lp8f1'pukn9G9ZzpKlap2wuRQV/ao=	2019-11-24 04:30:59.336356	1	admin			test@test.com	1	1	2019-11-20 03:31:04.987394	0	0
lpawTpelqSZWS\$cmwp83g981se0RdfakPdeCpUGfyXZKqky/e0RPbc=	2019-11-24 04:17:40.668759	0	student1			student1@gmail.com	0	1	2019-11-24 04:17:08.885886	0	0
ikmhZCg2pC31Z3GVBSHzVHWY7h1WbPOyULak72kg7uGiekhnmTW5ps=	2019-11-24 04:24:43.528377	0	student2			student2@gmail.com	0	1	2019-11-24 04:24:43.417771	0	0
I96Cd18Nb3ng0SV/bauKABf3SLbvtL6CYEbfRR5x/Umu5F9H7eDk=	2019-11-24 04:25:00.866186	0	student3			student3@gmail.com	0	1	2019-11-24 04:25:00.755485	0	0
I9Fv8UnNhzf1SVKEKqOcyvlyNdOEu3rPdywwoEcgf66pk2Jfvp77jas=	2019-11-24 04:25:16.209264	0	student4			student2@gmail.com	0	1	2019-11-24 04:25:16.098306	0	0
IsGANPVULHJgqe\$4RcFf3KCMhphhtQmaAQp3lAccGoo6urQ83wblHJ/84=	2019-11-24 04:25:34.007359	0	student5@gmail.com			student5@gmail.com	0	1	2019-11-24 04:25:33.899303	0	0
R0uGT0mlyH2P5D50KVaotZCqm71+8f4CwZL3saQDctbUuJmBv4=	2019-11-24 04:26:35.724334	0	student6@gmail.com			student6@gmail.com	0	1	2019-11-24 04:26:35.618510	0	0
Ivuh860vV0Qy\$z7A3/HztBjncG57+QzVjGtos3hQvme8Q6+RUPK18Ng=	2019-11-24 04:26:56.439833	0	student7@gmail.com			student7@gmail.com	0	1	2019-11-24 04:26:56.331078	0	0
IytdK6MwhlZQ8jV+xlTH3f0hYMC/u6SZBUIFHOC7/LUcU+ryF+qU=	2019-11-24 04:27:11.823393	0	student8@gmail.com			student8@gmail.com	0	1	2019-11-24 04:27:11.714524	0	0
IggK3WFB54p8ZuO19LfgvLxouL9VWwNmM17GK36t8bDVWofkQZU=	2019-11-24 04:27:56.121114	0	student9@gmail.com			student9@gmail.com	0	1	2019-11-24 04:27:56.016762	0	0
SD1F0f6FoabcXUytwZGEXUuNOpMhT7R6k81wXQh5SksHPNSdw=	2019-11-24 04:28:09.437576	0	student10@gmail.com			student10@gmail.com	0	1	2019-11-24 04:28:09.330512	0	0
IWRzaOGisZcnaSPDHaz68hEZPH17nUmlzPdte/sp01mljgA35eA/KnA=	2019-11-24 04:29:04.761713	0	student11@gmail.com			student11@gmail.com	0	1	2019-11-24 04:29:04.650808	0	0
IjN64AMR3qDZH5AK0S9lypEmAQOESRYDwOxSdOyatmm5L+00w2d6=	2019-11-24 04:29:17.214637	0	student12@gmail.com			student12@gmail.com	0	1	2019-11-24 04:29:17.105501	0	0
IhT1rZf8GBG4SfY2U9NwM/BizVtd4n3Ee2KnMac5u8q0XzEAT5UE=	2019-11-24 04:29:30.478489	0	student13@gmail.com			student13@gmail.com	0	1	2019-11-24 04:29:30.369751	0	0
IieHkQBOnC2NShxusPfuHmsDVf/d/Saog5FLaCR8LprZfarGx0ZSEqg=	2019-11-24 04:29:45.265276	0	student14@gmail.com			student14@gmail.com	0	1	2019-11-24 04:29:45.155595	0	0
IsvLUH912zomIShMNVnjnyGzC+dkUsiaeDwGysPu7XchK68qnmvg=	2019-11-24 04:29:57.408109	0	student15@gmail.com			student15@gmail.com	0	1	2019-11-24 04:29:57.296998	0	0
I3gT6bErbaAR0ShqSzQGUanfyoyOe2HAT3cmWmV3JMbvtCQ+DOH4Y8=	2019-11-24 04:30:10.348472	0	student16@gmail.com			student16@gmail.com	0	1	2019-11-24 04:30:10.240731	0	0
SDagvO5jm3udzZC2tq+KfymyGW335M4p9MWaMYMPlp1pwwMmwKak=	2019-11-24 04:30:25.362581	0	student17@gmail.com			student17@gmail.com	0	1	2019-11-24 04:30:25.250880	0	0
Ita1oKGD2M5Z5Zwd8MICWpW7z0zCfYUGjgN9+SApUgQF21Up0P2X0=	2019-11-24 04:30:37.892771	0	student18@gmail.com			student18@gmail.com	0	1	2019-11-24 04:30:37.784875	0	0
IybcSSUue69fVXu003WEC5SgFhQf9Mmb8EC86nUK+eJfMc3Zstd=	2019-11-24 04:30:49.013057	0	student19@gmail.com			student19@gmail.com	0	1	2019-11-24 04:30:48.906153	0	0

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

python 3.7.1 64-bit (ProgramData\virtualenvs)

3 RSOs

Django administration

Home: Rao: Rsos

WELCOME, ADMIN VIEW SITE / CHANGE PASSWORD / LOG OUT

The rso "Third RSO" was added successfully.

Select rso to change

ADD RSO +

Action: Go 0 of 3 selected

<input type="checkbox"/>	Rso
<input type="checkbox"/>	Third RSO
<input type="checkbox"/>	Second RSO
<input type="checkbox"/>	First RSO
3 rsos	

SQLite - College-Event-Website - Visual Studio Code

EXPLORER

- 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
 - views.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

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

python

Python 3.7.1 64-bit (ProgramData\virtualenvs)

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

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
 - views.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

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 5481
[23/Nov/2019 23:34:15] "GET /admin/jsi18n/ HTTP/1.1" 200 3223
```

Python 3.7.1 64-bit (ProgramData\virtualenvs)

3 Comments

Django administration

Home · Events · Comments

WELCOME, ADMIN · [VIEW SITE](#) · [CHANGE PASSWORD](#) · [LOG OUT](#)

✓ The comment "5th Event admin" was added successfully.

Select comment to change ADD COMMENT +

Action: 0 of 3 selected

COMMENT
<input type="checkbox"/> 5th Event admin
<input type="checkbox"/> First Event admin
<input type="checkbox"/> Second Event admin

3 comments

SQLite - College-Event-Website - Visual Studio Code

EXPLORER

- OPEN EDITORS
- 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
 - views.py
- OUTLINE
- MAVEN PROJECTS
- SQLITE EXPLORER
 - db.sqlite3
 - Events_comment
 - 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
 - Events_event

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

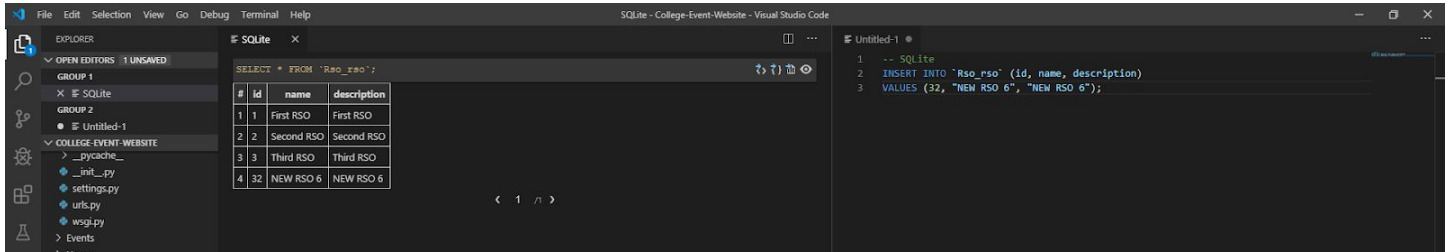
1: python

```
[23/Nov/2019 23:36:25] "GET /admin/js118n/ 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/js118n/ HTTP/1.1" 200 3223
```

Python 3.7.1 64-bit (ProgramData\virtualenvs)

SQL Examples

Add an RSO



SQLite - College-Event-Website - Visual Studio Code

EXPLORER

- OPEN EDITORS 1 UNSAVED
- GROUP 1
 - SQLite
- GROUP 2
 - Untitled-1
- COLLEGE-EVENT-WEBSITE
 - __pycache__
 - _init_.py
 - settings.py
 - urls.py
 - wsgi.py
 - Events
 - Home
 - media
 - migrations

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
4	32	NEW RSO 6	NEW RSO 6

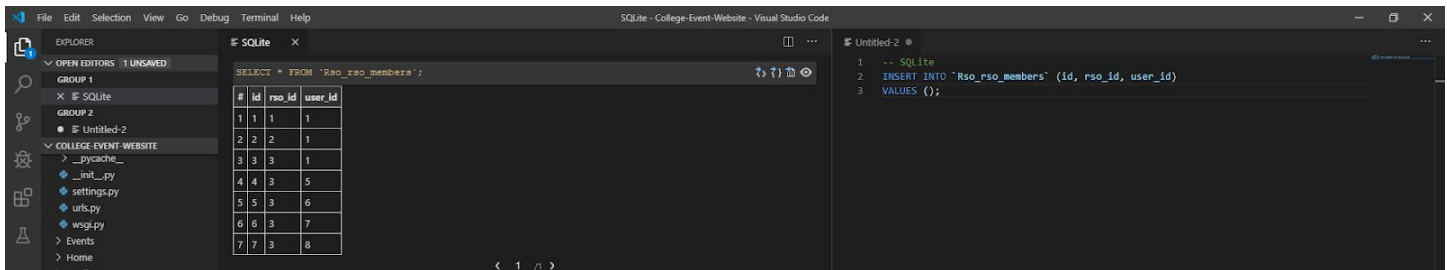
1 / 1

```

1 -- SQLite
2 INSERT INTO "Rso_rso" (id, name, description)
3 VALUES (32, "NEW RSO 6", "NEW RSO 6");

```

Add a new member



SQLite - College-Event-Website - Visual Studio Code

EXPLORER

- OPEN EDITORS 1 UNSAVED
- GROUP 1
 - SQLite
- GROUP 2
 - Untitled-2
- COLLEGE-EVENT-WEBSITE
 - __pycache__
 - _init_.py
 - settings.py
 - urls.py
 - wsgi.py
 - Events
 - Home
 - media
 - migrations

SELECT * FROM 'Rso_rso_members';

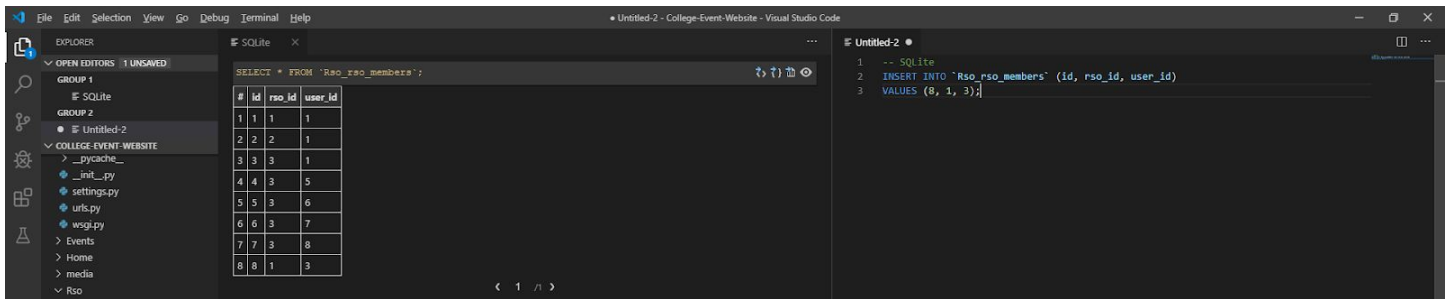
#	id	rso_id	user_id
1	1	1	1
2	2	2	1
3	3	3	1
4	4	3	5
5	5	3	6
6	6	3	7
7	7	3	8

1 / 1

```

1 -- SQLite
2 INSERT INTO "Rso_rso_members" (id, rso_id, user_id)
3 VALUES ();

```



Untitled-2 - College-Event-Website - Visual Studio Code

EXPLORER

- OPEN EDITORS 1 UNSAVED
- GROUP 1
 - SQLite
- GROUP 2
 - Untitled-2
- COLLEGE-EVENT-WEBSITE
 - __pycache__
 - _init_.py
 - settings.py
 - urls.py
 - wsgi.py
 - Events
 - Home
 - media
 - Rso

SELECT * FROM 'Rso_rso_members';

#	id	rso_id	user_id
1	1	1	1
2	2	2	1
3	3	3	1
4	4	3	5
5	5	3	6
6	6	3	7
7	7	3	8
8	8	1	3

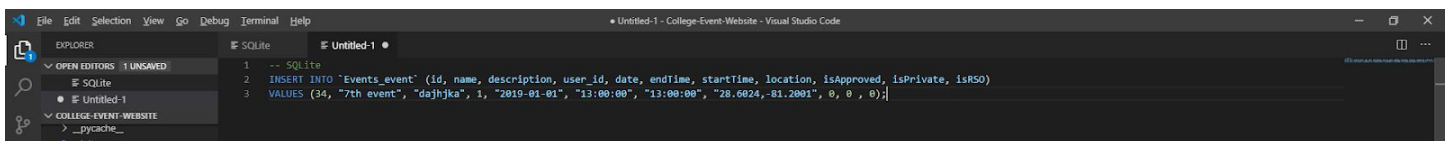
1 / 1

```

1 -- SQLite
2 INSERT INTO "Rso_rso_members" (id, rso_id, user_id)
3 VALUES (8, 1, 3);

```

Add an event



Untitled-1 - College-Event-Website - Visual Studio Code

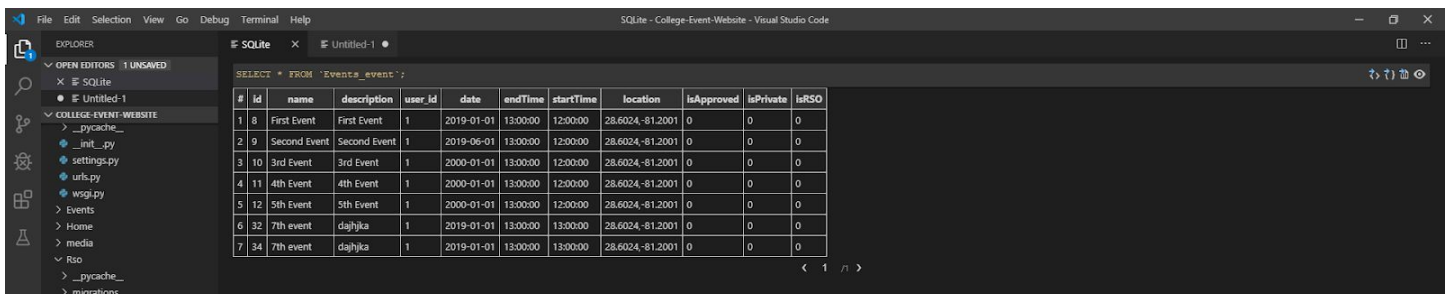
EXPLORER

- OPEN EDITORS 1 UNSAVED
- GROUP 1
 - SQLite
- GROUP 2
 - Untitled-1
- COLLEGE-EVENT-WEBSITE
 - __pycache__
 - _init_.py

1 -- SQLite

2 INSERT INTO "Events_event" (id, name, description, user_id, date, endTime, startTime, location, isApproved, isPrivate, isRSO)

3 VALUES (34, "7th event", "dajhka", 1, "2019-01-01", "13:00:00", "13:00:00", "28.6024,-81.2001", 0, 0, 0);



SQLite - College-Event-Website - Visual Studio Code

EXPLORER

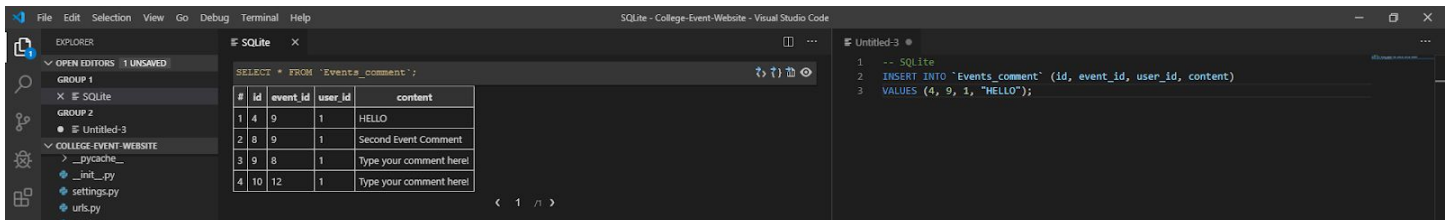
- OPEN EDITORS 1 UNSAVED
- GROUP 1
 - SQLite
- GROUP 2
 - Untitled-1
- COLLEGE-EVENT-WEBSITE
 - __pycache__
 - _init_.py
 - settings.py
 - urls.py
 - wsgi.py
 - Events
 - Home
 - media
 - Rso
 - migrations

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
6	32	7th event	dajhka	1	2019-01-01	13:00:00	13:00:00	28.6024,-81.2001	0	0	0
7	34	7th event	dajhka	1	2019-01-01	13:00:00	13:00:00	28.6024,-81.2001	0	0	0

1 / 1

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.