Final Project Report
GROUP 50
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Youtube Link

https://youtu.be/Adz-U3vq8VE

Github Link

https://github.com/alanhafeed/Group50DatabaseProject

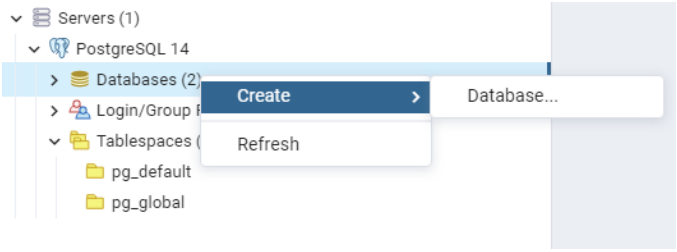
User Guide

INSTALL

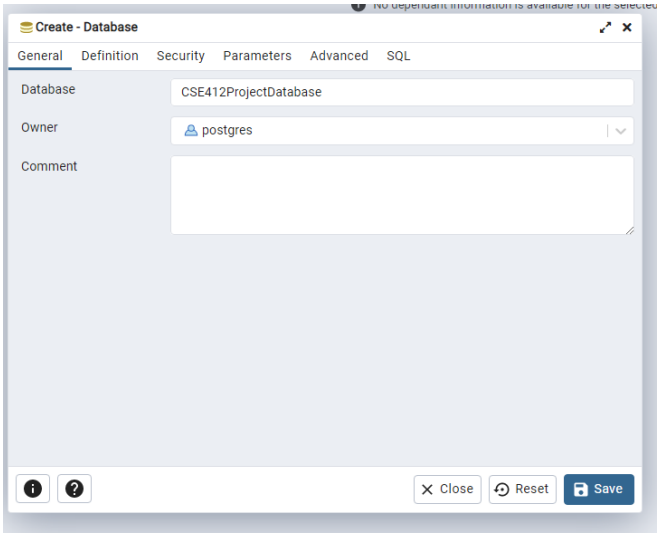
1. Download all files from Github source.
2. Place in your current working directory.
3. Run *pip install pandas*
4. Run *pip install Flask psycopg2-binary*

We used pgAdmin 4 for this project. If you would like to be able to create our database and run the project in full capacity on your own machine follow steps below. If not, skip to Compile/Run.

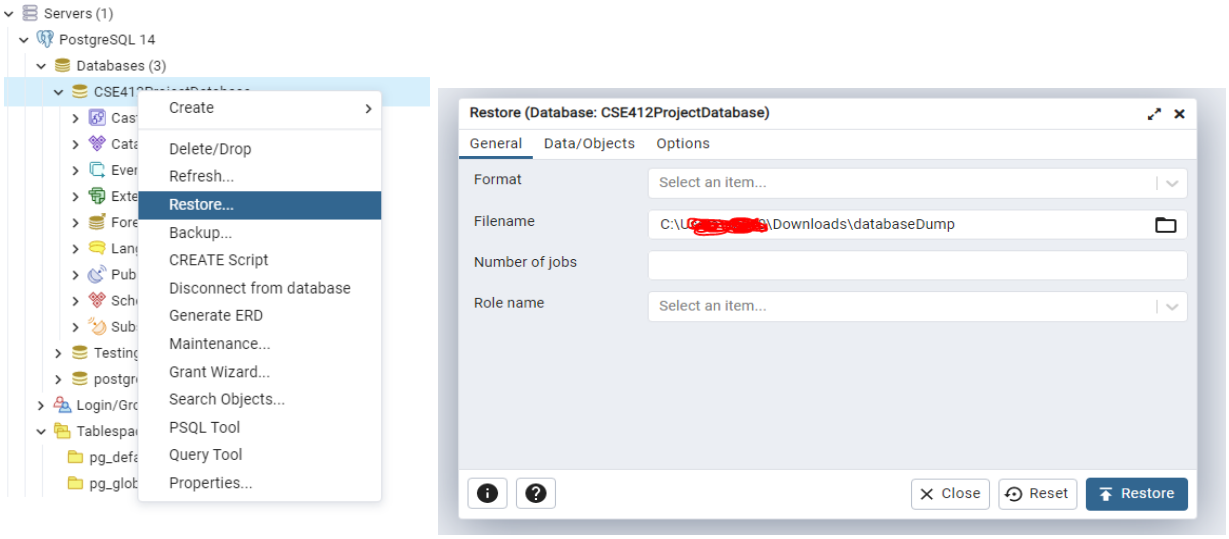
1. Move database dump/backup/export to working directory.
2. Create new database in pgAdmin



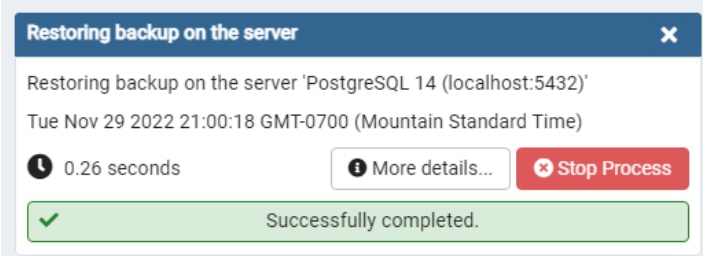
3. Name the project *CSE412ProjectDatabase*



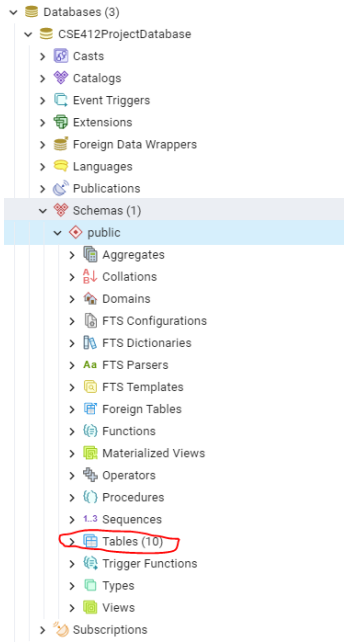
4. Right click on the new database and click *restore*.



5. After clicking restore you should see a message like this below.



6. There should also be 10 new tables under *Schemas(1) > Public*.



7. Now, in the file *app.py* you downloaded from Github, make sure the DB_NAME is *CSE412ProjectDatabase* and the DB_USER and DB_PASS match that of your pgAdmin configuration. Ours is the default and is shown below.

```
DB_HOST = "localhost"
DB_NAME = "CSE412ProjectDatabase"
DB_USER = "postgres"
DB_PASS = "password"
```

COMPILE/RUN

1. Run a terminal and cd to the directory with *app.py*, *__pychache__*, and *templates*
2. In your working directory execute:
   flask run
3. You should see the following output:
   ** Environment: production*
   WARNING: This is a development server. Do not use it in a production deployment.
   Use a production WSGI server instead.
   ** Debug mode: off*
   ** Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)*
4. Copy the http link into your url to see the application.

USAGE

Search

The search engine is there to sort the table by input in real time. For instance, if you want to search all the Government Officials in Arizona, type Arizona in the search bar. If you wish to look up the details of a specific government official, type their name in the search bar.

Show 5 entries

Search: Arizona

State	First Name	Last Name	Date of Birth	Party	Gender	Ethnicity
Arizona	Douglas	Ducey	4/9/1964	republican	male	white-american
Arizona	Kyrsten	Sinema	7/12/1976	democrat	female	white-american

Show 5 entries

Search: Kyrsten Sinema

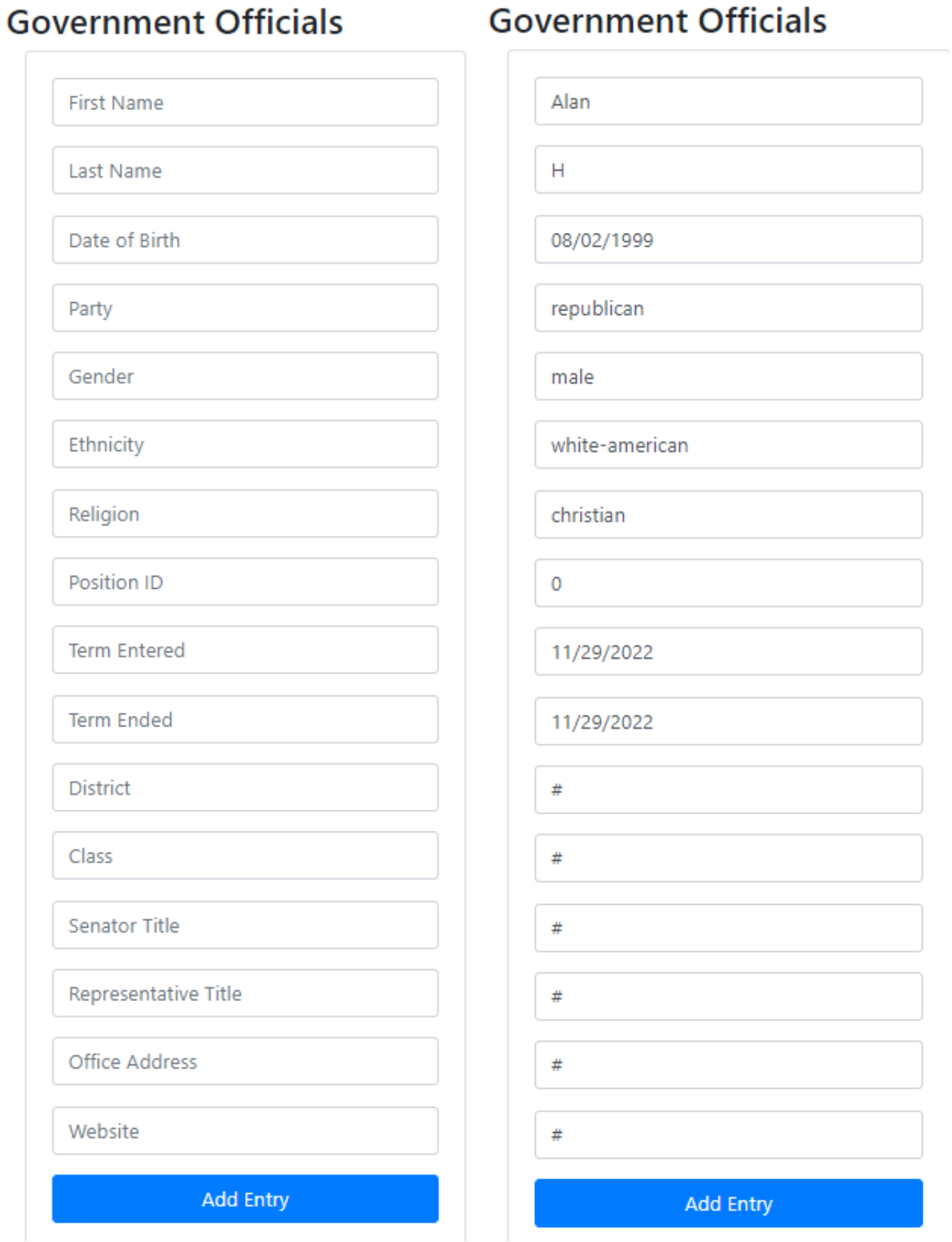
State	First Name	Last Name	Date of Birth	Party	Gender	Ethni
Arizona	Kyrsten	Sinema	7/12/1976	democrat	female	white amer

Showing 1 to 1 of 1 entries (filtered from 585 total entries)

Previous 1 Next

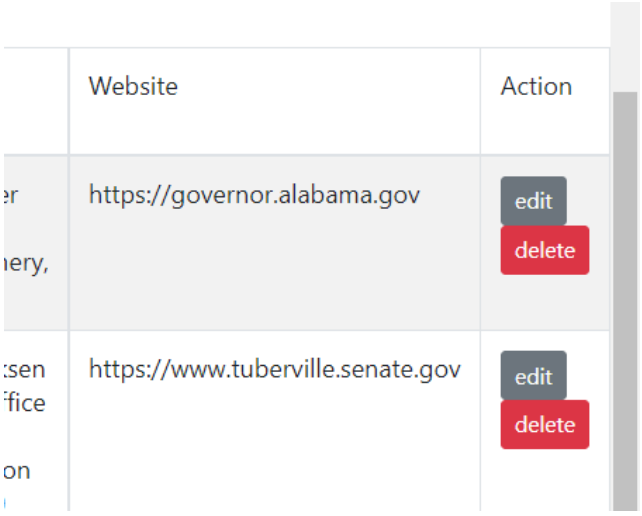
Add

To add an entry into the database, enter all the data underneath the Government Officials. For NULL entries used the # symbol.



Modify

To edit an entry, hit the edit button located on the right of each entry below the Action column. It will then display all the variables, update the variables you want to change, then hit update.



Robert

Menendez

1/1/1954

democrat

male

hispanic-american

christian

26961

1

1/18/2006

1/3/2019

#

I

senator

#

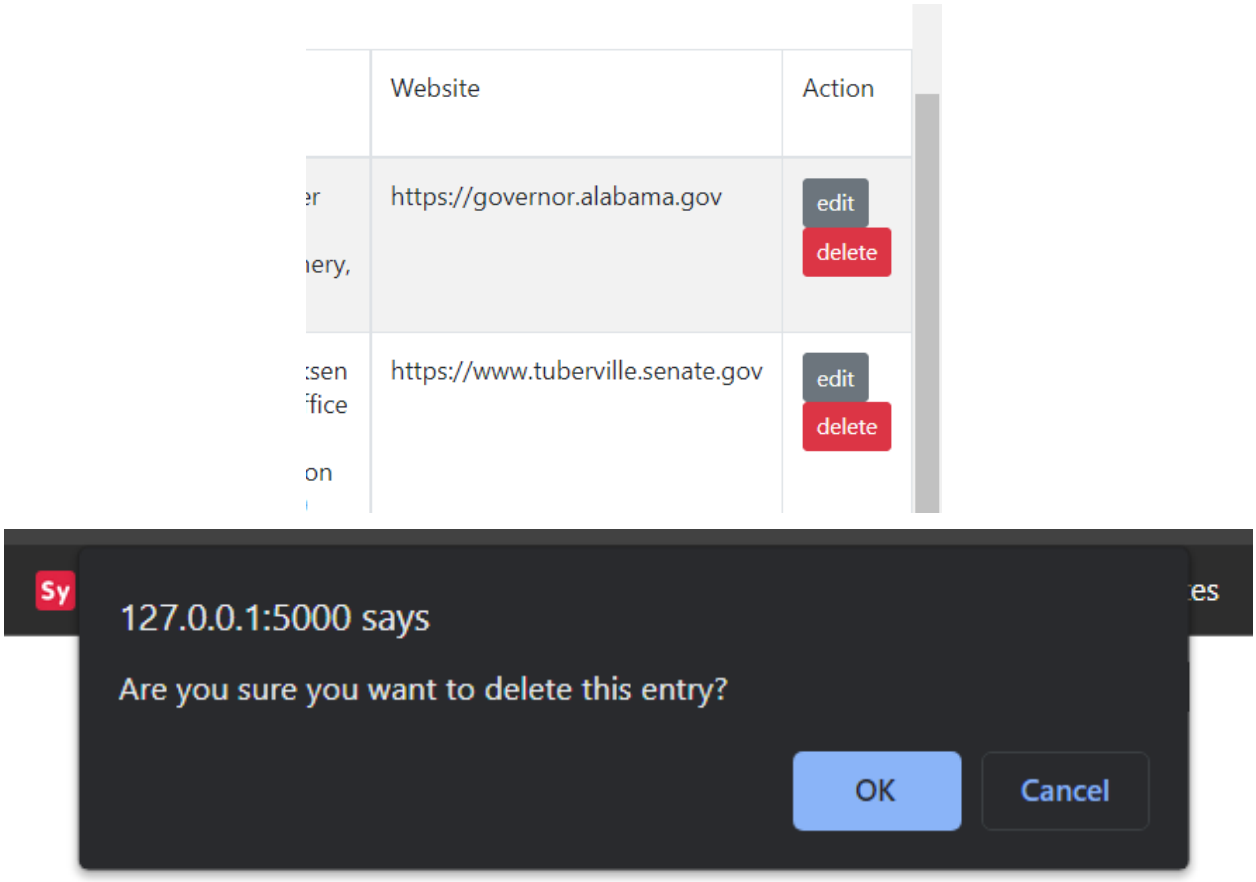
528 Hart Senate Office Building, Washin

http://menendez.senate.gov

Update

Delete

To remove an entry, hit the delete button located on the right of each entry below the Action column. It will prompt you “Are you sure you want to delete this entry?”, select OK.



Graph

Misc

- Graphs can be viewed on the page at all times.
- You can toggle through the amount of rows visible at a time to make viewing easier.

DATA SOURCE

All data was scraped from multiple github repositories to create the relational model we used for this project. The links are shown below.

https://github.com/CivilServiceUSA/us-senate/tree/master/source
https://github.com/CivilServiceUSA/us-states/tree/master/data
https://github.com/CivilServiceUSA/us-house/tree/master/source
https://github.com/CivilServiceUSA/us-governors/tree/master/source