

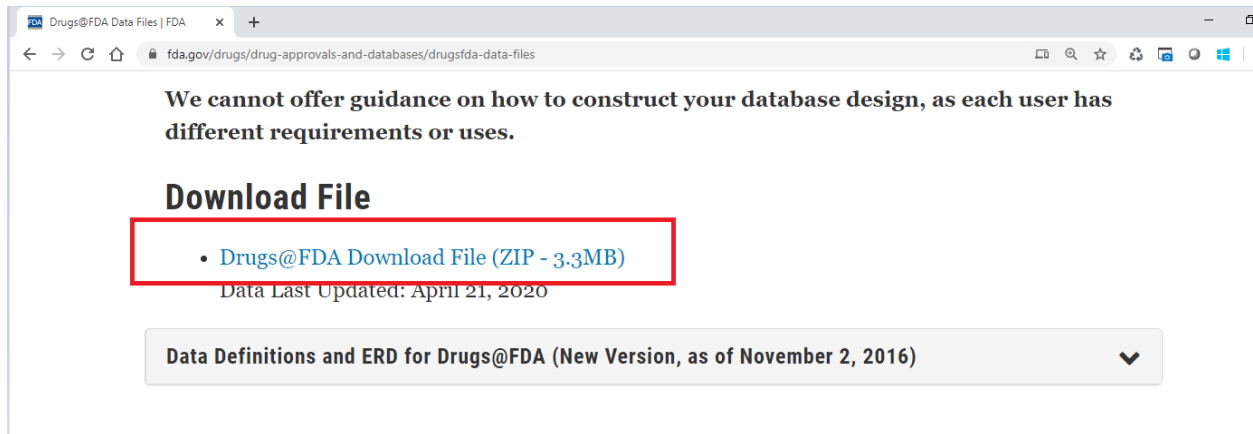
## How to download and setup FDA database

### Where and How to Download FDA Files:

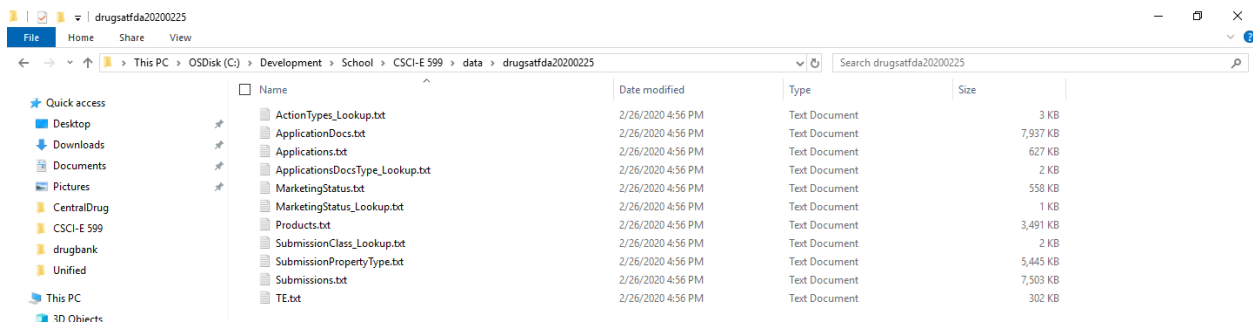
1. Please navigate to following website

<https://www.fda.gov/drugs/drug-approvals-and-databases/drugsfda-data-files>

and click on “[Drugs@FDA Download File \(ZIP - 3.3MB\)](#)” as shown in the picture below



Once the zip file is downloaded, please unzip the file to your desired folder:



### How to run the code:

#### Pre-installation requirement:

The following libraries are required to run the import script “import\_fda\_script.py”

Please run the following commands one by one to ensure the libraries are installed, if planning to run this from parent project folder, requirement.txt includes these libraries.

1. `pip install numbers`
2. `pip install numpy`
3. `pip install pandas`
4. `pip install SQLAlchemy`
5. `pip install pylint-flask-sqlalchemy`
6. `pip install glob2`

#### Database credentials:

- open `fda_import_script.py` file and provide database credential as following:

```
10 DATABASE_URL = "postgresql://YOUR_USERNAME:YOUR_PASSWORD@DB_URL:5432/drugdata"
11
```

- set the path to the folder you have downloaded and unzipped files

```
path = r'C:\Development\School\CSCI-E 599\data\drugsatfda20200225'
```

- Run the script by running: `python fda_import_script.py`

```
λ python fda_import_script.py
applicationdocs inserted
applications inserted
applicationsdocstypelookup inserted
|
```