**NAVIGATE NEWS**

The Navigate news web application has some interesting features as listed below.

**Overview**

1. The app constitutes of 2 models only. One stores a list of news and the other stores a list of comments for the news. The two models have a foreign key relationship between each other

**LIST VIEW**

1. Users can see the latest news curled from Hacker News as the server continuously feeds the database with latest News every 5 minutes
2. Users can see comments of each News by clicking on the title.
3. Users can Navigate to the link of the News by clicking on the “Link” in the Url column
4. Users can also add comments they would like to News item but cannot edit or delete them. (Much like how twitter doesn’t allow you edit tweets. However, I added extra step to prevent deletion of comments.)
5. Users only see the 15 News per page and can Navigate to other pages by clicking the “Next” icon at the bottom
6. Users can filter by type by selecting from the drop down and search filter by author and title as well.

**API**

1. Django rest framework was used to create and test the API view because of the lovely browseable API view it provides.
2. For the exposed API, all Http Methods (GET, POST, DELETE, UPDATE) are allowed for both the News and comment models. However, the DELETE AND UPDATE operations are only allowed for data(Comments and News) created in the API but not from Hacker News or user input(as in the case of comments)
3. The API made use of Nested Routers between the News and Comment models. For each News id, all the comments associated with it can be seen, also, new comments can be added, edited or deleted with the exception of those from Hacker News

**HOW TO RUN**

1. Unzip the folder
2. Navigate to venv>pyvenv.cfg
3. Replace the home variable path to be the path of the python executable on your system
4. Activate the virtual environment by navigating to venv>Scripts>Activate.ps1
5. Run py manage.py runserver
6. The scheduled job begins to run in the background updating the databse till you close the server powering it
7. Navigate the web app as you please.

**HOW TO NAVIGATE THE APP**

1. After running py manage.py runserver, Click on the News List icon at the top right to view the list of Latest News

**IMPORTANT URLS**

**USER VIEW**

1. <https://sotomi-navigatenews.herokuapp.com> .The app was deployed to this url so you can see it live here
2. [**http://127.0.0.1:8000/**](http://127.0.0.1:8000/) **Home page**
3. [**http://127.0.0.1:8000/news/**](http://127.0.0.1:8000/news/)------**To see the list of News**
4. [**http://127.0.0.1:8000/news/104/**](http://127.0.0.1:8000/news/104/) **To see a particular news instance**
5. [**http://127.0.0.1:8000/news/104/addcomment/**](http://127.0.0.1:8000/news/104/addcomment/) **to add a comment for a particular news instance**

**API**

1. [**http://127.0.0.1:8000/api/news/**](http://127.0.0.1:8000/api/news/) **to see the exposed API news list**
2. [**http://127.0.0.1:8000/api/news/100/**](http://127.0.0.1:8000/api/news/100/) **to see a particular news instance. “100” in the case is a news instance id**
3. [**http://127.0.0.1:8000/api/news/41/comments/**](http://127.0.0.1:8000/api/news/41/comments/) **to see the comment list for a particular news instance with id 41**
4. [**http://127.0.0.1:8000/api/news/41/comments/12/**](http://127.0.0.1:8000/api/news/41/comments/12/) **to see a particular comment from the list in (9) above**