Pixlee Mini-Project Summary

What I did:

Backend:

Based on Django 1.10 and PostgreSQL 9.6.

Implemented image_datatype field to support videos.

Stores username, native url, image url, date, and media type (video support) in the database.

Frontend:

Utilized Django's EL Pagination plugin to organize the photos with page numbers.

Utilized the pickaday JS plugin for picking a date.

Choices I made and improvement potential:

- I set all photo's timezone to EST instead of the default UTC. It would be better if the webapp can use the user's location data and set the timezone accordingly.
- In order to get all photos, I used a while loop to call the 'next_url' attribute from the endpoint. This could take a long time, perhaps a better approach would be setting a max result limit, paginate the results, and when user click the last page, we then make the api call again to fetch more images.
- Due to time limitations, the current webapp would wipe all existing image data whenever a new search is performed. Perhaps a user login or session system could be implemented to allow multiple users to use this webapp at the same time.
- Data validation should be implemented.
- (Bug) data seems incorrect when query dates are set to a long time ago (> 1 month), I haven't found out why.