Scraper

It Searches for Apps on Google Play Store and Apple App Store, also It Searches for Keywords in given URL and also Suggests some Recommended Keywords.

It uses Django as a Backend Framework and Website Scraping is done using Requests Library and BeautifulSoup Library.

It uses Ajax and JQuery for Making POST Request to Server

Usage

Run this Command on your Command-Line to create a Virtual Env & Activating it.

```
virtualenv PROJECT_NAME
source PROJECT_NAME/bin/activate
```

Installing Dependencies

To Install Required Dependencies, Run this Command

```
pip install -r requirements.txt
```

It'll Install all required Libraries for our App.

Running App

To Run it, Run this Command

```
python manage.py runserver
```

Features

It Searches for Apps on Google Play Store and Apple App Store, also It Searches for Keywords in given URL and also Suggests some Recommended Keywords

This app uses SQlite3 Database. I have included a `scrape.py` which includes all the code used to scrape data from different sites seperated using Classes.

Folder App Contains all the code required for our app to run.

Frontend is built using Tailwind CSS - Which a Utility Based CSS Framework which focuses on flexibility of Using.

JQuery and AJAX are used to send POST Request to Server and Fetch Back Data. JQuery is used in .html files, so that I can use

```
{% url 'app:url' %}
```

Format.

In Keywords Page, The Recommend Keyword Section was hard to implement as we have to do multiple data-type conversions on Model Class to use it (I Don't Know Any other Option). So, I Implemented using simple method - Generate Random Integers between 0 to End of Array and pick that element as a Recommend Keyword.

`Sorry for this Implementation but I did not wanted to leave it blank`

I have added a Simple User Authentication System and have Personalized User Experience

I was Initially using Class Based Views but Switched to Function based view later.

Note

If the database is not working properly, you can do data migrations using this command

```
python manage.py makemigrations
python manage.py migrate
```