

keyhubbot

A key provider to End users based on their data

Python Packages

- botogram2
- redis
- requests
- pandas
- numpy
- sqlalchemy
- d6tstack
- psycpg2

NOTE: for uploading a package u need an additional pkg: d6tstack

Modules

Phase-1

- **Commands:**

- /start : shows the basic commands
- /help : shows about the bot, description about each commands incorporated
- /requestkey : requesting key → then select product type - A or B
- /shareinfoa : User has to share info for product-A key access
- /keystatus : view key usage stats for each product
 - datetime - at last access
 - location - accessed from which location (i.e. country) during last time
 - keycount - no. of times keys accessed till date
- /sharephone - share user's phone no. via keyboard
- /shareloc - share user's location via keyboard

- **Location:**

- The location coordinates is accessed via Telegram service and the same is reverse geocoded using Google Geocoding API service.
- refer: geo.py file for testing.

- Currently (with botogram v0.6), it was not possible to access the location inside `shareinfoa` command. And that's why a `datetoday` param has been stored in `"info" dict_key`.

- **Database:**

- **Redis (NoSQL):**

- This database is for viewing the info.s corresponding to a user (with phone no.)
 - store latest used product keys, `key_count_total`, `key_count_today`,

- **PostgreSQL (SQL):**

- This database is for viewing the info.s (username, phone, country) corresponding to a product key.
 - This is also for ease of use by the product manager. They can view the product keys with user details filled correspondingly.

Phase-2

- **user's daily usage limit:** Here, user's daily usage will be monitored and if exceeds the limit i.e. 2 keys/day, then wait for the next day or subscribe for premium membership.
 - Here, store the params `keycount_today` , `keycount_total` in `"product_a"` root for product-A.
- **sequential product key dispersal:** A user can avail the product key only if the info. shared in this sequence - `[username --> location]`
- segregate b/w `key_count_total`, `key_count_today`