Member Miner

This is a Ruby on Rails project. Developed on ubuntu 14.04 LTS. Hosted in heroku

Setup

- Install RoR : https://github.com/joshfng/railsready (Install with RVM)
- Install ruby 2.1.5 (This project is tested developed in ruby 2.15. It should work in > 2.1.5 also)
- Install node js : sudo apt-get install nodejs (For javascript runtime)
- Install pg : sudo apt-get install postgresql-client (Development env configured in sqlite, but for bundle to success need to do this)
- Install other dependencies : sudo apt-get install libpq-dev openjdk-7-jdk
- cd to project folder
- Choose ruby version as 2.15 using : rvm use ruby-2.1.5
- Follow the commands
    - bundle install
    - rake db:migrate
    - rake db:seed
    - rake data:import (This will import 1000 member info from given seed file. The data file placed in *data* folder, if you want to import a different file change the file path in *lib/tasks/data.rake*)
    - bundle exec rake sunspot:solr:start
    - rails c
        - Sunspot.index! Member.all (Reindex all data from console)
        - exit
    - rails s
    - Type in browser : localhost:3000

Features

- RESTful API's developed using RoR
- Paginated API (page and limit) for searching caption
- API to get total member count
- API to find out ethnicity average weight and height
- API to find members by social habits
- Highly optimized API by db queries. **No blocking in memory operations**
- Search API's are highly scalable and highly optimized with **Apache Solr** search

- **Versioned API's**
- A admin panel to manage members
- Response in JSON and **PDF**
- Application can handle more than 1 million data set (But heroku is limited with free 10000 rows)
- Better error handling

API documentation

Application is hosted in heroku with url https://memberminer.herokuapp.com/. It is using trial version of open solr account which has few limitations (https://opensolr.com/faq/view/pricing/34/What-are-the-limitations-on-a-free-account-).

Admin panel can be open using https://memberminer.herokuapp.com/
admin credentials: **su@member_miner.com** and **password**
API Base URL : https://memberminer.herokuapp.com/api/v1

All api can be downloaded as Postman collection
https://www.getpostman.com/collections/43f35c80ce86e4c65abd

PDF response is supported in all API's, you can get it either by changing **Accept** header to **application/pdf** or by adding an extra param **response=PDF**

Default headers
> **Content-Type : application/json**
> **Accept : application/json**

Search caption
> **[Get]/search_caption**
> Params:
> - query : Mandatory string
> - page : Optional integer, default : 1
> - limit : Optional integer, default : 25
> - Search caption

Get total member count
> **[Get]/count**

Search caption
> **[Get]/ethnicity/:ethnicity/averages**
> Params:
> - **:ethnicity** can be replaced with **ethnicity name,** eg: **Indian**

Search by member social habits

    [Get]/social_habits

Params:

- vegetarian: Optional string, Possible values [yes, no]
- drink: Optional string, Possible values [yes, no]
- page : Optional integer, default : 1
- limit : Optional integer, default : 25

Note: vegetarian or drink should be present

My profile:

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