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Python developer

Object of this task is to create a simple REST API. You have to use Django and Django rest framework.

Social Network (required)

Basic models:
- User
- Post (always made by a user)

Basic features:
- user signup
- user login
- post creation
- post like
- post unlike

For User and Post objects, candidate is free to define attributes as they see fit.

Requirements:
- Token authentication (JWT is prefered)
- use Django with any other Django batteries, databases etc.

Optional *(will be a plus)*:
- use clearbit.com/enrichment for getting additional data for the user on signup
- use emailhunter.co for verifying email existence on signup

Automated bot (not required but will be a big plus)

Object of this bot demonstrate functionalities of the system according to defined rules.
This bot should read rules from a config file (in any format chosen by the candidate), but should have following fields (all integers, candidate can rename as they see fit):
- number_of_users
- max_posts_per_user
- max_likes_per_user

Bot should read the configuration and create this activity:

- signup users (number provided in config)
- each user creates random number of posts with any content (up to max_posts_per_user)
- After creating the signup and posting activity, posts should be liked randomly, posts can be liked multiple times

Notes

- *emailhunter* and *clearbit* have either free pricing plans or free trial, the candidate can use their own account if he would like implement the functionality
- visual aspect of the project is not important, the candidate can create a frontend for viewing the result, but it is not necessary **(will be a plus)**. Clean and usable REST API is important
- the project is not defined in detail, the candidate should use their best judgment for every non-specified requirements (including chosen tech, third party apps, etc), however
- every decision must be explained and backed by arguments in the interview
- Result should be sent by providing a Git url. This is a mandatory requirement.