Python - Practical Interview - SolGuruz

In this assignment, you will have the opportunity to show your Python/Django skills.

Please read the document properly before doing the practical task.

The task description is divided into four sections:
- The first section defines the Problem Statement / Requirement we want,
- The second section defines the rejection criteria,
- The third section defines the must-have criteria and
- The fourth section defines the bounty criteria that help you earn bounty points.

Bounty points will give you an edge over other applicants.
Note: Take appropriate assumptions wherever required and mention them at the time of submission.

Problem Statement / Requirement:
SolGuruz wants to build a Rest API using a Database (Relational or Non-relational) for an Event Management System.

Task 1: Create API for the User
- Register API (User can register)
- Login API (User login)
- Logout API (User logout)
- Change Password API (User can change his password)
- Forgot Password API (User can Forgot Your Password Required OTP, OTP can send to the user email)
- Reset Password API (After the User Verification User can update your new password)

Task 2: Event API (Authentication required for doing operations on Event, and user can perform update delete operation only on their created Event, and user can not modify and delete other user events)

- Admin can list all the event details With Pagination.
- Create Events (Admin can create Event Update and Delete)
- User Invite (Users Can Invite to the Other Users for their events)
- After the User Login to Show all their Created Events and also Invited events in which he is invited.
- List All Invited Events (Invited users, when login can see their created events as well as events to which they are invited)
- Following are the actions that need to be done on Events List Api

     a. pagination

     b. Sorting

     c. Date Filter

     d. Searching By Events Name, Location like City

- Event Update and Delete (API) (User Can Create, Update and Delete Event)
- Event Detail + list of users invited (API to get specific Events and invites)

Task 3: Not Mandatory (Optional)

- Add authentication JWT
- Perform Unit Testing on All API

Rejection Criteria:

- The code is directly copied from the internet
- Naming conventions are not followed
- Git commit history is not provided
- Code would not run successfully even after .env variables set properly

Must Have:

- Frequent git commit with proper git messages
- Keep the repository private

Submission will stand a better chance of being selected if (Bounty):

- Implementing any Architecture pattern is expected
- Implementation of django-jazzmin as an admin site
- Implementation of Unit or Integration testing will get extra points

Submission Rule:

- Share the repository access on the mentioned emails:
  paresh@solguruz.com
  lokesh@solguruz.com