Python Engineer

Dear Candidate,

First, we are happy you get this far on our hiring process, congratulations. We created this little challenge for you to show your coding skills. We hope you enjoy it as much as we did. Roughly you have up to two weeks to send it in.

The Task

We'd like you to create a simple Django REST API which provides information about customers. You are supposed to follow the constraints below:

1. Create a django management command to import the `customers.csv` file into your database;
2. Create two extra fields for latitude and, longitude and, fill them up by customer's address using the Google Maps API;
3. Implement a REST API with two endpoints: one for listing all customers and, another one for getting a single customer by its `id`;
4. Create a simple web page to consume the REST API (you can use auto-documentation like django-yasg);
5. Write README.md instructions on how to get your code up-and-running;
6. Send us your code via either a *private repository* or in compressed folder format including the git history.

We kindly ask you not to publish your implementation, to avoid online spoilers.

Feel free to use any libs you deem necessary, but know that we'll also consider your choices around this topic.

Our review

The focus of the review is on answering some questions such as:

- How clearly can you separate concerns in your code?
- Are SOLID, DRY principles violated?
- How good have you designed your models? Do they make sense?
- Are your docs clear?
- Does your code follow PEP8 coding style recommendations?
- Does your solution contain any dead/redundant code?
- Does your application launch?
- Does the application do what it promises?
- Can we find bugs or minor flaws?
- Did you provide a complete product ready to deploy?

The following things most probably will not impress us:

- Overengineering;
- Implementing additional features;
- Typos, grammar mistakes in documentation and code.

Extra points for:

- Automated Testing;
- Docker;
- One-command setup;
- GraphQL schema/endpoint for data consumption;
- Well written documentation.

That said, good luck and happy coding!