Assessment

Back-End Developer

Welcome

Congratulations for being shortlisted for a role with Dokkanz! We're excited to get to know you and your skills better. The first step of the interview process with Dokkanz is to complete a take home exercise. Please complete this exercise within 5 calendar days of receiving it. Please take note of the submission guidelines below in the How To Submit section below.

What is Dokkanz?

Dokkanz is an Egyptian startup company founded in September 2016 Located in Sheikh Zayed City, Giza Government, Egypt. Dokkanz is a convenient C2C online sales services platform launching in the Egyptian market. Targeting this specific market, Dokkanz is being developed with the Egyptian consumer culture and usage built in the experience, features, and legal liabilities. The solution will be the main link between consumers, and will act as a facilitator; putting in place the necessary measures to gain the customers' trust, and providing an easy to use, human centered, rating based experience.

Being a Backend developer at Dokkanz

As a full-stack developer in Dokkanz team, you will be an integral part of building a new platform for e-commerce. You will craft high quality code to build APIs, integrating with user-facing elements along the way.

You will work with Django, Python, Github and AWS. In addition to coding, you will be involved in architecture, choice of technology, requirements speccing, and you will gain a deep understanding of the entire technology stack and business.

Your tasks

This assessment consists of two tasks.

1- Create minimalist product information management (PIM) system REST API's

It has to be a well crafted back-end application built with Python + Django + relational Database.

Please pay attention to clean & organized code.

The application should provide two data sets & appropriate CRUD API's manage them:

    i. Products: (Product Code, Name, Price, Quantity)
    ii. Categories: Name

Features:

- Category may be nested into each other forming a tree structure
- One product can be a part of multiple categories
- Same category can be assigned to unlimited products
- Deleting a category is possible all the time, yet it should not delete products

2. Tell us what you consider important in software development

Write three or four paragraphs about how you would develop a good web API. Talk about the process you would follow from idea to release, the tools you would use, and the problems you would need to solve. You could talk about scalability, authorization, design, discoverability, and/or anything you think is important.

Task submission

After finishing the three tasks you should submit your code through GitHub or similar. You can also attach a compressed file contains the the tasks.

Thank you for your interest in joining our team at Dokkanz!