Infosapex Limited Recruitment Lab Test

Task Name: Simple E-Commerce Website

Backend Implementation: Python Django, Django REST Framework

Frontend Implementation: Any

Python Version: 3

Django Version: Any

Database: PostgreSQL

Deadline: 15 August, 2019 (Late Submission will result in reduction of Score)

Please Read the instructions carefully and entirely before implementation.

Steps:

1. Create Django Project
2. Create "Virtual Environment" for the project (Outside the project Directory)
3. Maintain requirement.txt file for project dependencies.
4. Complete the project
5. Push the project in a git repository (Without the Virtual Environment)

Project Description

Homepage:

1. Home page should contain a toolbar in the top which will contain "Login", "SignUp" button. There should be a dropdown button for product category selection in the toolbar as well
2. Each item in the product list should be consisting of product name, product image, price .
3. Product list data must be shown using API call

Product Detail Page:

On clicking an item in the product list a product detail page will appear. This page should contain

1. Image of the product
2. Name of the product
3. Description of the product
4. Available quantity of the product
5. Seller name of the product
6. Price of the product
7. Quantity selection option
8. "Check-out" button. On clicking this button an invoice will be created for that product .

Invoice Page:

On clicking the "Check-out" button an invoice page should be shown.

This invoice page will contain

1. Order summery like product name, quantity, unit price, total price.
2. "Place Order" button . By clicking this button the order will be confirmed and a confirmation message like
   "Order Placed Successfully" will be shown .
   For this step to succeed , a person must login to the system .

Account Type:

There will be two type of account

1. Buyer : Those who will buy product. Buyer can't sell product
2. Seller : Those who will sell product. Seller can't buy product

A person must sign up as a buyer or seller. This should be decided during sign up.

Sign Up and login should be implemented using API call .

So there will be a sign up page . Use name, email, password, mobile no, buyer/seller these information for user sign up.

Buyer Account:

1. In the buyer profile page, there will be a previous order history(API call). User can see all his previous orders in this list.
2. User can see order detail by clicking an item from order history.
3. There will be password reset option in that page.

Seller Account:

1. In the seller profile page , there will be an order history list (API call)
2. Available product list (API call)
3. Password reset option
4. Seller can add new product with necessary information for the new product.
5. Seller can remove a product, edit product information if necessary.
6. You can implement all these in the same page or you can make different page for each one. It's up to you

Instructions:

1. Use your innovation and smartness to design the pages.
2. Good design will carry good marks
3. In the models.py file, there should be models for user and product. You can create more models if necessary.
4. Organized code will carry better marks.
5. Use comment in your code where necessary.
6. Early submission will be plus point.