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Backend Developer Position Problem Statement

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Problem Statement for Assessment Round – PLEASE TAKE SCREENSHOT OR PRINT THE PAGE AND DO NOT REFRESH

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You are required to develop an online shopping cart using Django framework. The shopping cart should allow users to browse products, add them to cart, and checkout. The users should be able to view their order history. The following features are required:

1. *User Authentication: Users should be able to sign up, login, and logout.*

2. *Product Catalog: A list of products with their details (name, description, price, and image).*

3. *Shopping Cart: A user should be able to add multiple products to their cart and view the total cost.*

4. *Checkout: The user should be able to checkout, providing their shipping information and payment details.*

5. *Order History: A user should be able to view a list of their past orders and the details of each order.*

6. *Admin Panel: An admin panel should be provided to manage products and orders.*

Technical Requirements:

1. *Django 3.2 or higher*

2. *Python 3.8 or higher*

3. *Use of Django Rest Framework for APIs*

4. *Use of Bootstrap or any other front-end framework*

5. *Proper usage of models, views, and templates in Django*

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   6. Proper use of migrations in Django

   7. Proper use of class-based views in Django

   8. Proper use of authentication in Django

Deliverables:

   1. The source code of the project, properly documented.

   2. A brief report explaining the architecture of the solution and the design decisions taken.

   3. Deployment instructions for the application.

Note: A sample database with product and order data will be provided. The focus should be on the functionality and code quality, not on the data.

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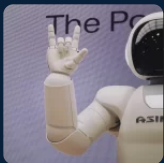
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