📄 Django Mini Project: Read-Only Food API with Swagger Docs

🙋‍♂️ Goal:

Build a Django REST API that exposes information about restaurants and foods using only GET requests. This means listing all items and retrieving details by ID.

You will use:
- Django
- Django REST Framework
- drf-yasg for Swagger UI documentation

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📦 Models to Create:

Create a Django app named menu, and add the following two models:

1. Restaurant
- name: CharField (max_length=64)
- address: CharField (max_length=128)
- rating: FloatField

2. Food
- name: CharField (max_length=64)
- calories: IntegerField
- is_vegetarian: BooleanField
- price: DecimalField (max_digits=5, decimal_places=2)

❗ Do not use any ForeignKey. The models are independent.

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🔗 API Endpoints (GET only):

Using Django REST Framework:

For Restaurant
- GET /api/restaurants/ — list all restaurants
- GET /api/restaurants/{id}/ — retrieve a specific restaurant by ID

For Food
- GET /api/foods/ — list all food items
- GET /api/foods/{id}/ — retrieve a specific food item by ID

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📄 Swagger Documentation:

Install and configure drf-yasg:

- Make sure all endpoints are documented and testable at /swagger/

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✅ What Will Be Evaluated:
- Models are defined correctly in models.py
- GET API endpoints are functional and return expected results
- Swagger UI is working and includes all routes

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💡 Optional Bonus:
- Add filtering by food name:
- Example: GET /api/foods/?name=burger
- Add basic pagination to both list views