

Python Junior Task

Create an online store REST API with Django-rest-framework. Implement CRUD endpoints for the following models. List GET endpoints should be paginated. All endpoints should return JSON. Showcase your DRF knowledge of Viewsets, Serializers and Filtering.

Product

Title - CharField

Price - DecimalField

Order

Date - DateField

Products - ManyToManyField(Product)

Order serializer output:

```
{
  id: 1,
  date: '2022-08-01',
  products: [
    {
      id: 1,
      title: 'T-shirt',
      price: 18.00
    },
    {
      id: 2,
      title: 'Guitar',
      price: 50.00
    },
  ]
}
```

Endpoint /api/stats

Input parameters:

Name	Type	Optional or Required
date_start	Date	Required
date_end	Date	Required
metric	Enum ['price', 'count']	Required

The response should contain a report with the monthly sales distribution for the selected period between **date_start** and **date_end**.

If **metric** == "price" the **value** field should contain the total sum of all sold products in this month.

If **metric** == "count" the **value** field should contain the total count of all sold products in this month.

Example output when metric=="price":

```
[
  {
    month: "2022 Jan",
    value: 18.00
  },
  {
    month: "2022 Feb",
    value: 36.00
  },
]
```

Example output when metric=="count":

```
[
  {
    month: "2022 Jan",
    value: 1
  },
  {
    month: "2022 Feb",
    value: 2
  },
]
```

Bonus objective:

Setup Django-admin for the models and Swagger for the endpoints.