

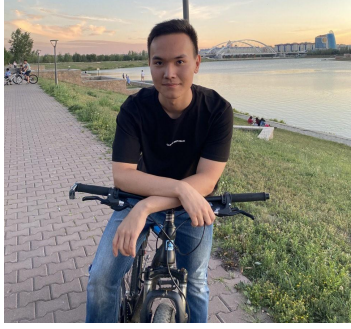


Team: NDY corp.

Progress Report 8

Date: April 09, 2023

		
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In this progress report we added:

4) Filtering items based on price, rating

Here in our product model, we've added our *price*.

```
type Product struct {  
    gorm.Model  
    Title      string `json:"title"`  
    Description string `json:"description"`  
    Rating     float32 `json:"rating"`  
    Price      int    `json:"price"`  
}
```

Here is our filter based on *inputTitle* and *inputSort*.

```
func ListProducts(c *gin.Context) {
    qs := c.Request.URL.Query()
    inputTitle := qs.Get("title")
    inputSort := qs.Get("sort")
    var products []models.Product
    if inputTitle != "" && inputSort != "" {
        if inputSort[0] == '-' {
            _ = initializers.DB.Order(fmt.Sprintf(inputSort[1:])).Find(&products, "title = ?", inputTitle)
        } else {
            _ = initializers.DB.Order(fmt.Sprintf(inputSort, " desc")).Find(&products, "title = ?", inputTitle)
        }
    } else if inputTitle != "" {
        _ = initializers.DB.Find(&products, "title = ?", inputTitle)
    } else if inputSort != "" {
        if inputSort[0] == '-' {
            _ = initializers.DB.Order(fmt.Sprintf(inputSort[1:])).Find(&products)
        } else {
            _ = initializers.DB.Order(fmt.Sprintf(inputSort, " desc")).Find(&products)
        }
    } else {
        _ = initializers.DB.Find(&products)
    }

    c.JSON(http.StatusOK, gin.H{"products": products})
}
```

Darkha003, 3 weeks ago • Add Search by title

Here we just added *Price*.

```
34     c.JSON(http.StatusOK, gin.H{"products": products})
35 }
36
37 func CreateProduct(c *gin.Context) {
38     var body struct {
39         Title      string `json:"title,omitempty"`
40         Description string `json:"description,omitempty"`
41         Price       int    `json:"price,omitempty"`
42     }
43 }
```

We created a product.

After that we enter our data into the database.

```
product := models.Product{Title: body.Title, Description: body.Description, Price: body.Price}
result := initializers.DB.Create(&product)

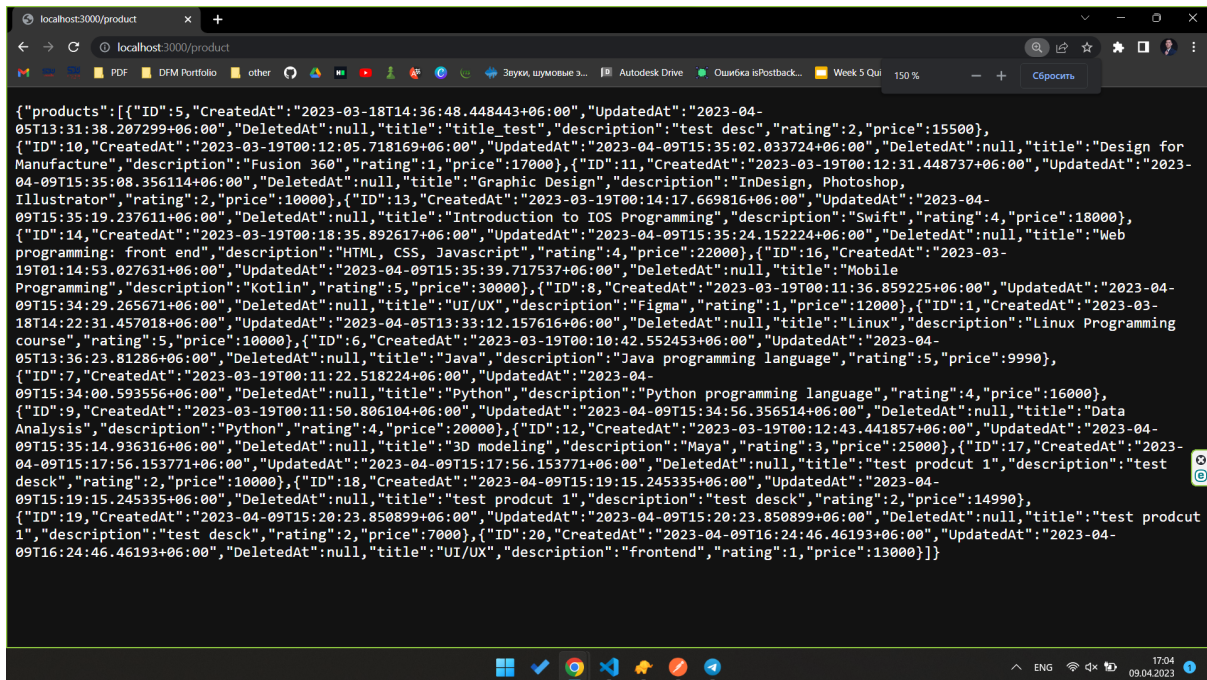
if result.Error != nil {
    c.JSON(http.StatusBadRequest, gin.H{
        "error": "Failed to create product",
    })

    return
}

c.JSON(http.StatusOK, gin.H{"product": product})
}
```

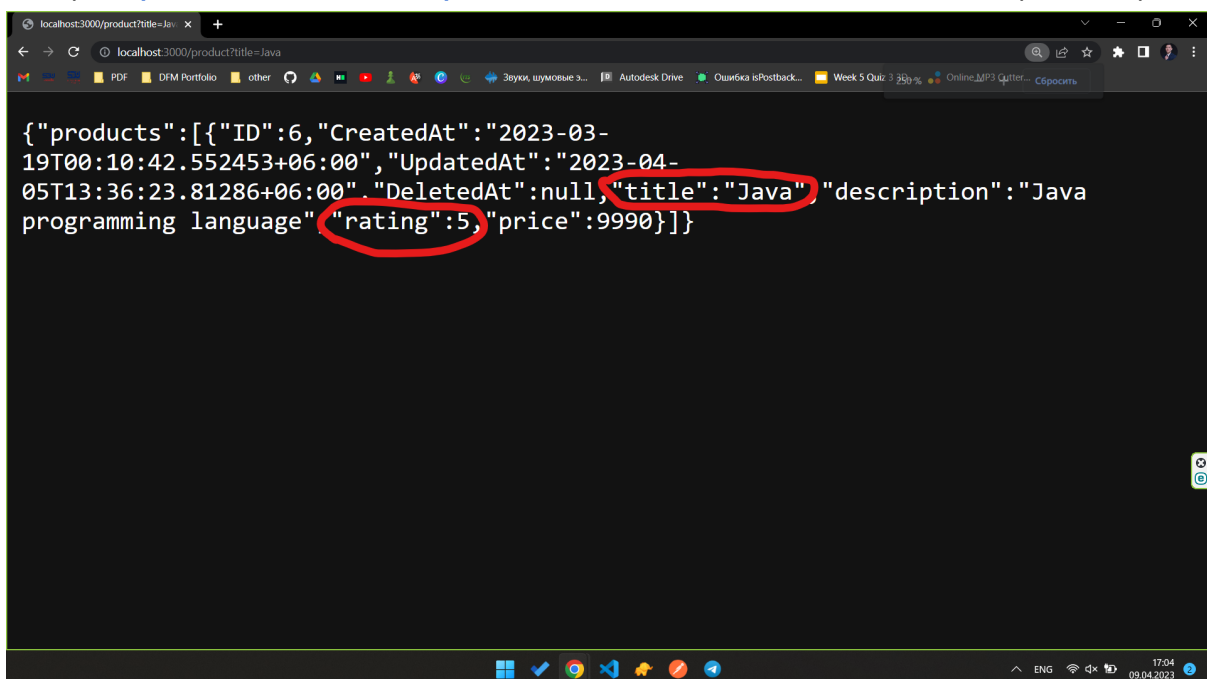
So our filter works based on this urls:

- 1) <http://localhost:3000/product> - list of all products.



```
{
  "products": [
    {
      "ID": 5,
      "CreatedAt": "2023-03-18T14:36:48.448443+06:00",
      "UpdatedAt": "2023-04-05T13:31:38.207299+06:00",
      "DeletedAt": null,
      "title": "title_test",
      "description": "test desc",
      "rating": 2,
      "price": 15500
    },
    {
      "ID": 10,
      "CreatedAt": "2023-03-19T00:12:05.718169+06:00",
      "UpdatedAt": "2023-04-09T15:35:02.033724+06:00",
      "DeletedAt": null,
      "title": "Design for Manufacture",
      "description": "Fusion 360",
      "rating": 1,
      "price": 17000
    },
    {
      "ID": 11,
      "CreatedAt": "2023-03-19T00:12:31.448737+06:00",
      "UpdatedAt": "2023-04-09T15:35:08.356114+06:00",
      "DeletedAt": null,
      "title": "Graphic Design",
      "description": "InDesign, Photoshop, Illustrator",
      "rating": 2,
      "price": 10000
    },
    {
      "ID": 13,
      "CreatedAt": "2023-03-19T00:14:17.669816+06:00",
      "UpdatedAt": "2023-04-09T15:35:19.237611+06:00",
      "DeletedAt": null,
      "title": "Introduction to IOS Programming",
      "description": "Swift",
      "rating": 4,
      "price": 18000
    },
    {
      "ID": 14,
      "CreatedAt": "2023-03-19T00:18:35.892617+06:00",
      "UpdatedAt": "2023-04-09T15:35:24.152224+06:00",
      "DeletedAt": null,
      "title": "Web programming: front end",
      "description": "HTML, CSS, Javascript",
      "rating": 4,
      "price": 22000
    },
    {
      "ID": 16,
      "CreatedAt": "2023-03-19T01:14:53.027631+06:00",
      "UpdatedAt": "2023-04-09T15:35:39.717537+06:00",
      "DeletedAt": null,
      "title": "Mobile Programming",
      "description": "Kotlin",
      "rating": 5,
      "price": 30000
    },
    {
      "ID": 8,
      "CreatedAt": "2023-03-19T00:11:36.859225+06:00",
      "UpdatedAt": "2023-04-09T15:34:29.265671+06:00",
      "DeletedAt": null,
      "title": "UI/UX",
      "description": "Figma",
      "rating": 1,
      "price": 12000
    },
    {
      "ID": 1,
      "CreatedAt": "2023-03-18T14:22:31.457018+06:00",
      "UpdatedAt": "2023-04-05T13:33:12.157616+06:00",
      "DeletedAt": null,
      "title": "Linux",
      "description": "Linux Programming course",
      "rating": 5,
      "price": 10000
    },
    {
      "ID": 6,
      "CreatedAt": "2023-03-19T00:10:42.552453+06:00",
      "UpdatedAt": "2023-04-05T13:36:23.81286+06:00",
      "DeletedAt": null,
      "title": "Java",
      "description": "Java programming language",
      "rating": 5,
      "price": 9990
    },
    {
      "ID": 7,
      "CreatedAt": "2023-03-19T00:11:22.518224+06:00",
      "UpdatedAt": "2023-04-09T15:34:00.593556+06:00",
      "DeletedAt": null,
      "title": "Python",
      "description": "Python programming language",
      "rating": 4,
      "price": 16000
    },
    {
      "ID": 9,
      "CreatedAt": "2023-03-19T00:11:50.806104+06:00",
      "UpdatedAt": "2023-04-09T15:34:56.356514+06:00",
      "DeletedAt": null,
      "title": "Data Analysis",
      "description": "Python",
      "rating": 4,
      "price": 20000
    },
    {
      "ID": 12,
      "CreatedAt": "2023-03-19T00:12:43.441857+06:00",
      "UpdatedAt": "2023-04-09T15:35:14.936316+06:00",
      "DeletedAt": null,
      "title": "3D modeling",
      "description": "Maya",
      "rating": 3,
      "price": 25000
    },
    {
      "ID": 17,
      "CreatedAt": "2023-04-09T15:17:56.153771+06:00",
      "UpdatedAt": "2023-04-09T15:17:56.153771+06:00",
      "DeletedAt": null,
      "title": "test prodcut 1",
      "description": "test desk",
      "rating": 2,
      "price": 10000
    },
    {
      "ID": 18,
      "CreatedAt": "2023-04-09T15:19:15.245335+06:00",
      "UpdatedAt": "2023-04-09T15:19:15.245335+06:00",
      "DeletedAt": null,
      "title": "test prodcut 1",
      "description": "test desk",
      "rating": 2,
      "price": 14990
    },
    {
      "ID": 19,
      "CreatedAt": "2023-04-09T15:20:23.850899+06:00",
      "UpdatedAt": "2023-04-09T15:20:23.850899+06:00",
      "DeletedAt": null,
      "title": "test prodcut 1",
      "description": "test desk",
      "rating": 2,
      "price": 7000
    },
    {
      "ID": 20,
      "CreatedAt": "2023-04-09T16:24:46.46193+06:00",
      "UpdatedAt": "2023-04-09T16:24:46.46193+06:00",
      "DeletedAt": null,
      "title": "UI/UX",
      "description": "frontend",
      "rating": 1,
      "price": 13000
    }
  ]
}
```

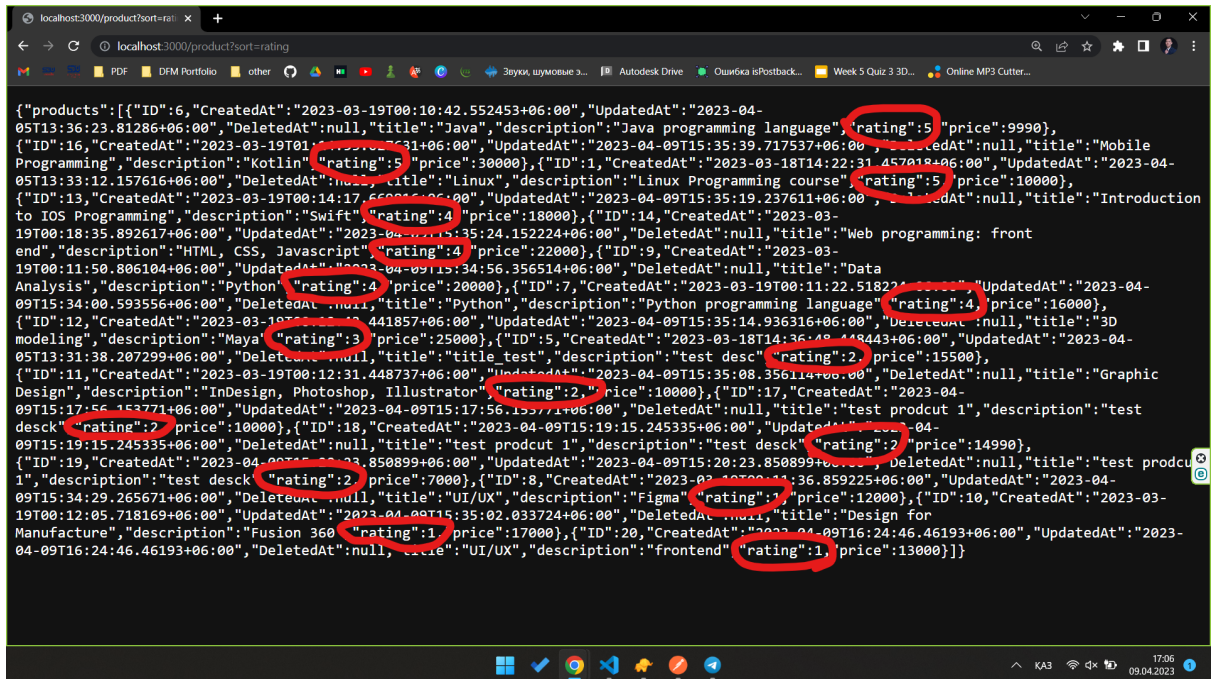
- 2) <http://localhost:3000/product?title=Java> - based on title (search)



```
{
  "products": [
    {
      "ID": 6,
      "CreatedAt": "2023-03-19T00:10:42.552453+06:00",
      "UpdatedAt": "2023-04-05T13:36:23.81286+06:00",
      "DeletedAt": null,
      "title": "Java",
      "description": "Java programming language",
      "rating": 5,
      "price": 9990
    }
  ]
}
```

<http://localhost:3000/product?sort=rating> - Sorting products by rating from the largest to the smallest.

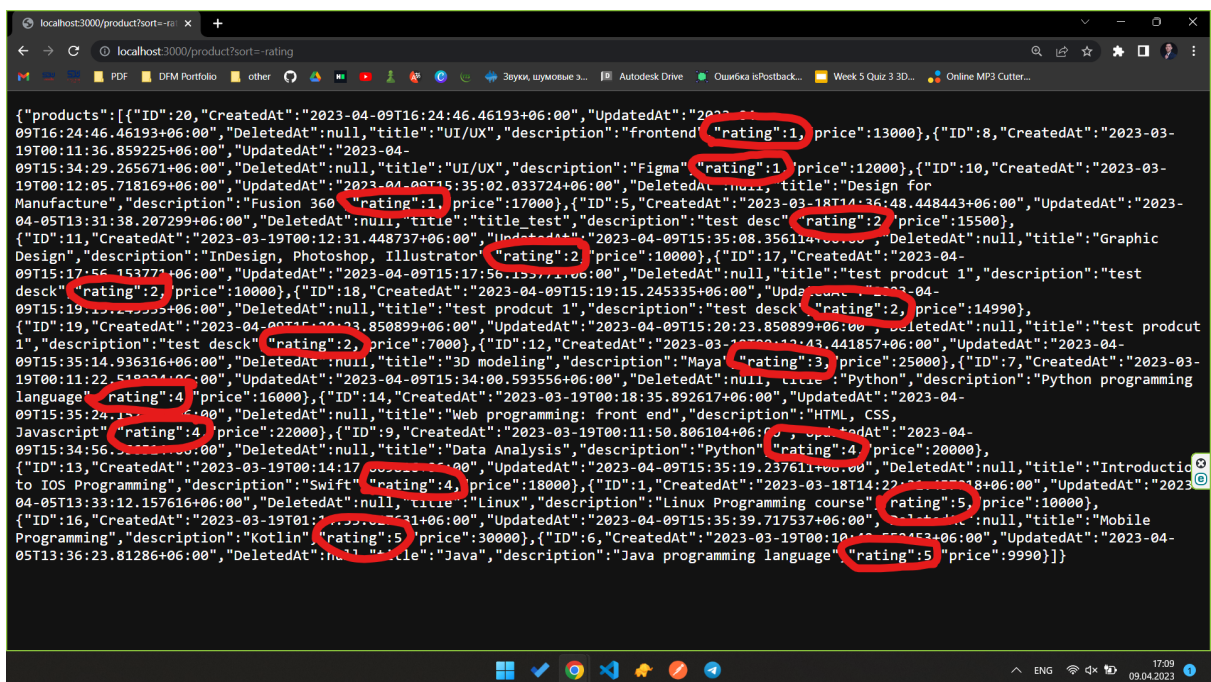
We have 5 rating types. As you can see it is sorted from *Largest 5 to Smallest 1*.



```
{
  "products": [
    {
      "ID": 16,
      "CreatedAt": "2023-03-19T00:10:42.552453+06:00",
      "UpdatedAt": "2023-04-05T13:36:23.81286+06:00",
      "DeletedAt": null,
      "title": "Java",
      "description": "Java programming language",
      "rating": 5,
      "price": 9990,
      "ID": 16,
      "CreatedAt": "2023-03-19T00:10:42.552453+06:00",
      "UpdatedAt": "2023-04-05T13:36:23.81286+06:00",
      "DeletedAt": null,
      "title": "Mobile Programming",
      "description": "Kotlin",
      "rating": 5,
      "price": 3000,
      "ID": 1,
      "CreatedAt": "2023-03-18T14:22:31.457018+06:00",
      "UpdatedAt": "2023-04-05T13:33:12.157616+06:00",
      "DeletedAt": null,
      "title": "Linux",
      "description": "Linux Programming course",
      "rating": 5,
      "price": 1000,
      "ID": 13,
      "CreatedAt": "2023-03-19T00:14:17.660011+06:00",
      "UpdatedAt": "2023-04-09T15:35:19.237611+06:00",
      "DeletedAt": null,
      "title": "Introduction to IOS Programming",
      "description": "Swift",
      "rating": 4,
      "price": 18000,
      "ID": 14,
      "CreatedAt": "2023-03-19T00:18:35.892617+06:00",
      "UpdatedAt": "2023-04-09T15:35:24.152224+06:00",
      "DeletedAt": null,
      "title": "Web programming: front end",
      "description": "HTML, CSS, Javascript",
      "rating": 4,
      "price": 2200,
      "ID": 9,
      "CreatedAt": "2023-03-19T00:11:50.806104+06:00",
      "UpdatedAt": "2023-04-09T15:34:56.356514+06:00",
      "DeletedAt": null,
      "title": "Data Analysis",
      "description": "Python",
      "rating": 4,
      "price": 2000,
      "ID": 7,
      "CreatedAt": "2023-03-19T00:11:22.518224+06:00",
      "UpdatedAt": "2023-04-09T15:34:00.593556+06:00",
      "DeletedAt": null,
      "title": "Python",
      "description": "Python programming language",
      "rating": 4,
      "price": 16000,
      "ID": 12,
      "CreatedAt": "2023-03-18T14:36:48.448443+06:00",
      "UpdatedAt": "2023-04-09T15:35:14.936316+06:00",
      "DeletedAt": null,
      "title": "3D modeling",
      "description": "Maya",
      "rating": 3,
      "price": 2500,
      "ID": 5,
      "CreatedAt": "2023-03-18T14:36:48.448443+06:00",
      "UpdatedAt": "2023-04-05T13:31:38.207299+06:00",
      "DeletedAt": null,
      "title": "test desc",
      "description": "test desc",
      "rating": 2,
      "price": 15500,
      "ID": 11,
      "CreatedAt": "2023-03-19T00:12:31.448737+06:00",
      "UpdatedAt": "2023-04-09T15:35:08.356114+06:00",
      "DeletedAt": null,
      "title": "Graphic Design",
      "description": "InDesign, Photoshop, Illustrator",
      "rating": 2,
      "price": 1000,
      "ID": 17,
      "CreatedAt": "2023-04-09T15:17:56.153771+06:00",
      "UpdatedAt": "2023-04-09T15:17:56.153771+06:00",
      "DeletedAt": null,
      "title": "test product 1",
      "description": "test desc",
      "rating": 2,
      "price": 1000,
      "ID": 18,
      "CreatedAt": "2023-04-09T15:19:15.245335+06:00",
      "UpdatedAt": "2023-04-09T15:19:15.245335+06:00",
      "DeletedAt": null,
      "title": "test product 1",
      "description": "test desc",
      "rating": 2,
      "price": 14990,
      "ID": 19,
      "CreatedAt": "2023-04-09T15:20:23.850899+06:00",
      "UpdatedAt": "2023-04-09T15:20:23.850899+06:00",
      "DeletedAt": null,
      "title": "test product 1",
      "description": "test desc",
      "rating": 2,
      "price": 7000,
      "ID": 8,
      "CreatedAt": "2023-03-19T00:11:36.859225+06:00",
      "UpdatedAt": "2023-04-09T15:24:46.46193+06:00",
      "DeletedAt": null,
      "title": "UI/UX",
      "description": "Figma",
      "rating": 1,
      "price": 1200,
      "ID": 10,
      "CreatedAt": "2023-03-19T00:12:05.718169+06:00",
      "UpdatedAt": "2023-04-09T15:35:02.033724+06:00",
      "DeletedAt": null,
      "title": "Design for Manufacture",
      "description": "Fusion 360",
      "rating": 1,
      "price": 17000,
      "ID": 5,
      "CreatedAt": "2023-03-18T14:36:48.448443+06:00",
      "UpdatedAt": "2023-04-05T13:31:38.207299+06:00",
      "DeletedAt": null,
      "title": "title test",
      "description": "test desc",
      "rating": 2,
      "price": 15500,
      "ID": 11,
      "CreatedAt": "2023-03-19T00:12:31.448737+06:00",
      "UpdatedAt": "2023-04-09T15:35:08.356114+06:00",
      "DeletedAt": null,
      "title": "Graphic Design",
      "description": "InDesign, Photoshop, Illustrator",
      "rating": 2,
      "price": 1000,
      "ID": 17,
      "CreatedAt": "2023-04-09T15:17:56.153771+06:00",
      "UpdatedAt": "2023-04-09T15:17:56.153771+06:00",
      "DeletedAt": null,
      "title": "test product 1",
      "description": "test desc",
      "rating": 2,
      "price": 14990,
      "ID": 19,
      "CreatedAt": "2023-04-09T15:20:23.850899+06:00",
      "UpdatedAt": "2023-04-09T15:20:23.850899+06:00",
      "DeletedAt": null,
      "title": "test product 1",
      "description": "test desc",
      "rating": 2,
      "price": 7000,
      "ID": 12,
      "CreatedAt": "2023-03-18T14:36:48.448443+06:00",
      "UpdatedAt": "2023-04-09T15:35:14.936316+06:00",
      "DeletedAt": null,
      "title": "3D modeling",
      "description": "Maya",
      "rating": 3,
      "price": 2500,
      "ID": 7,
      "CreatedAt": "2023-03-19T00:11:22.518224+06:00",
      "UpdatedAt": "2023-04-09T15:34:00.593556+06:00",
      "DeletedAt": null,
      "title": "Python",
      "description": "Python programming language",
      "rating": 4,
      "price": 16000,
      "ID": 14,
      "CreatedAt": "2023-03-19T00:18:35.892617+06:00",
      "UpdatedAt": "2023-04-09T15:35:24.152224+06:00",
      "DeletedAt": null,
      "title": "Web programming: front end",
      "description": "HTML, CSS, Javascript",
      "rating": 4,
      "price": 2200,
      "ID": 9,
      "CreatedAt": "2023-03-19T00:11:50.806104+06:00",
      "UpdatedAt": "2023-04-09T15:34:56.356514+06:00",
      "DeletedAt": null,
      "title": "Data Analysis",
      "description": "Python",
      "rating": 4,
      "price": 2000,
      "ID": 13,
      "CreatedAt": "2023-03-19T00:14:17.660011+06:00",
      "UpdatedAt": "2023-04-09T15:35:19.237611+06:00",
      "DeletedAt": null,
      "title": "Introduction to IOS Programming",
      "description": "Swift",
      "rating": 4,
      "price": 18000,
      "ID": 1,
      "CreatedAt": "2023-03-18T14:22:31.457018+06:00",
      "UpdatedAt": "2023-04-05T13:33:12.157616+06:00",
      "DeletedAt": null,
      "title": "Linux",
      "description": "Linux Programming course",
      "rating": 5,
      "price": 1000,
      "ID": 16,
      "CreatedAt": "2023-03-19T00:10:42.552453+06:00",
      "UpdatedAt": "2023-04-05T13:36:23.81286+06:00",
      "DeletedAt": null,
      "title": "Java",
      "description": "Java programming language",
      "rating": 5,
      "price": 9990
    }
  ]
}
```

<http://localhost:3000/product?sort=-rating> - Sorting products by rating from the smallest to the largest.

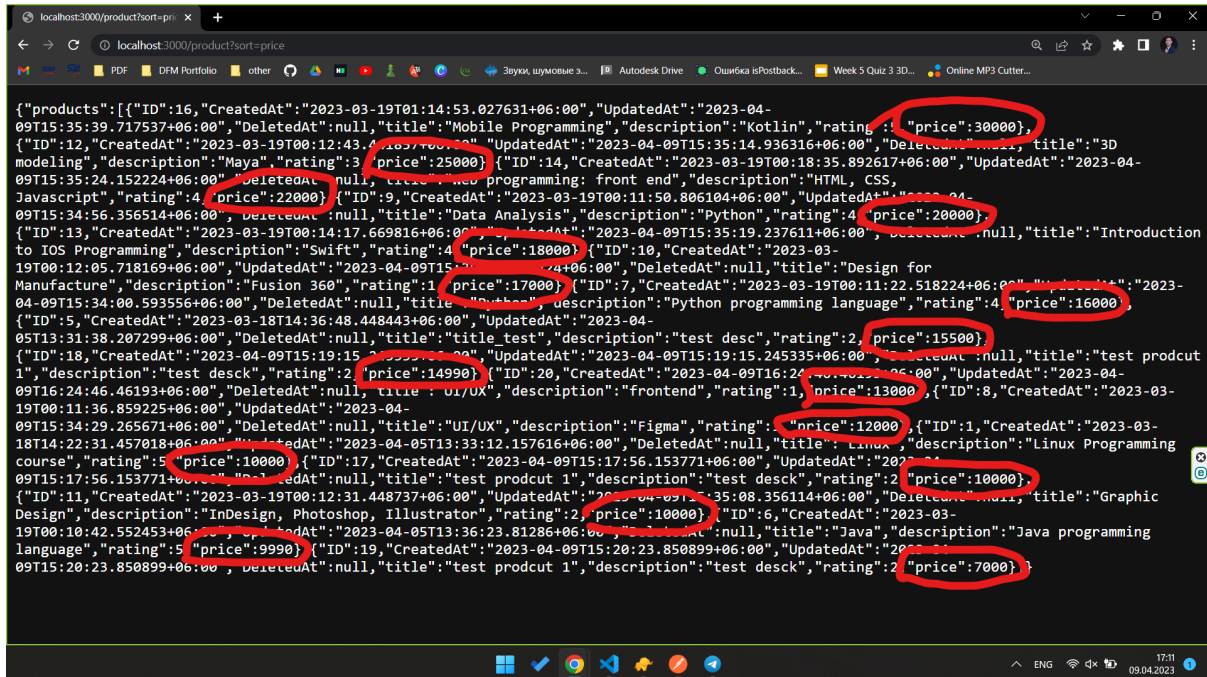
it is sorted from *Smallest 1 to Largest 5*.



```
{
  "products": [
    {
      "ID": 20,
      "CreatedAt": "2023-04-09T16:24:46.46193+06:00",
      "UpdatedAt": "2023-04-09T16:24:46.46193+06:00",
      "DeletedAt": null,
      "title": "UI/UX",
      "description": "frontend",
      "rating": 1,
      "price": 13000,
      "ID": 8,
      "CreatedAt": "2023-03-19T00:11:36.859225+06:00",
      "UpdatedAt": "2023-04-09T15:34:29.265671+06:00",
      "DeletedAt": null,
      "title": "UI/UX",
      "description": "Figma",
      "rating": 1,
      "price": 1200,
      "ID": 10,
      "CreatedAt": "2023-03-19T00:12:05.718169+06:00",
      "UpdatedAt": "2023-04-09T15:35:02.033724+06:00",
      "DeletedAt": null,
      "title": "Design for Manufacture",
      "description": "Fusion 360",
      "rating": 1,
      "price": 17000,
      "ID": 5,
      "CreatedAt": "2023-03-18T14:36:48.448443+06:00",
      "UpdatedAt": "2023-04-05T13:31:38.207299+06:00",
      "DeletedAt": null,
      "title": "title test",
      "description": "test desc",
      "rating": 2,
      "price": 15500,
      "ID": 11,
      "CreatedAt": "2023-03-19T00:12:31.448737+06:00",
      "UpdatedAt": "2023-04-09T15:35:08.356114+06:00",
      "DeletedAt": null,
      "title": "Graphic Design",
      "description": "InDesign, Photoshop, Illustrator",
      "rating": 2,
      "price": 1000,
      "ID": 17,
      "CreatedAt": "2023-04-09T15:17:56.153771+06:00",
      "UpdatedAt": "2023-04-09T15:17:56.153771+06:00",
      "DeletedAt": null,
      "title": "test product 1",
      "description": "test desc",
      "rating": 2,
      "price": 14990,
      "ID": 19,
      "CreatedAt": "2023-04-09T15:20:23.850899+06:00",
      "UpdatedAt": "2023-04-09T15:20:23.850899+06:00",
      "DeletedAt": null,
      "title": "test product 1",
      "description": "test desc",
      "rating": 2,
      "price": 7000,
      "ID": 12,
      "CreatedAt": "2023-03-18T14:36:48.448443+06:00",
      "UpdatedAt": "2023-04-09T15:35:14.936316+06:00",
      "DeletedAt": null,
      "title": "3D modeling",
      "description": "Maya",
      "rating": 3,
      "price": 2500,
      "ID": 7,
      "CreatedAt": "2023-03-19T00:11:22.518224+06:00",
      "UpdatedAt": "2023-04-09T15:34:00.593556+06:00",
      "DeletedAt": null,
      "title": "Python",
      "description": "Python programming language",
      "rating": 4,
      "price": 16000,
      "ID": 14,
      "CreatedAt": "2023-03-19T00:18:35.892617+06:00",
      "UpdatedAt": "2023-04-09T15:35:24.152224+06:00",
      "DeletedAt": null,
      "title": "Web programming: front end",
      "description": "HTML, CSS, Javascript",
      "rating": 4,
      "price": 2200,
      "ID": 9,
      "CreatedAt": "2023-03-19T00:11:50.806104+06:00",
      "UpdatedAt": "2023-04-09T15:34:56.356514+06:00",
      "DeletedAt": null,
      "title": "Data Analysis",
      "description": "Python",
      "rating": 4,
      "price": 2000,
      "ID": 13,
      "CreatedAt": "2023-03-19T00:14:17.660011+06:00",
      "UpdatedAt": "2023-04-09T15:35:19.237611+06:00",
      "DeletedAt": null,
      "title": "Introduction to IOS Programming",
      "description": "Swift",
      "rating": 4,
      "price": 18000,
      "ID": 1,
      "CreatedAt": "2023-03-18T14:22:31.457018+06:00",
      "UpdatedAt": "2023-04-05T13:33:12.157616+06:00",
      "DeletedAt": null,
      "title": "Linux",
      "description": "Linux Programming course",
      "rating": 5,
      "price": 1000,
      "ID": 16,
      "CreatedAt": "2023-03-19T00:10:42.552453+06:00",
      "UpdatedAt": "2023-04-05T13:36:23.81286+06:00",
      "DeletedAt": null,
      "title": "Java",
      "description": "Java programming language",
      "rating": 5,
      "price": 9990
    }
  ]
}
```


<http://localhost:3000/product?sort=price> - Sorting of products by price from the largest to the smallest.

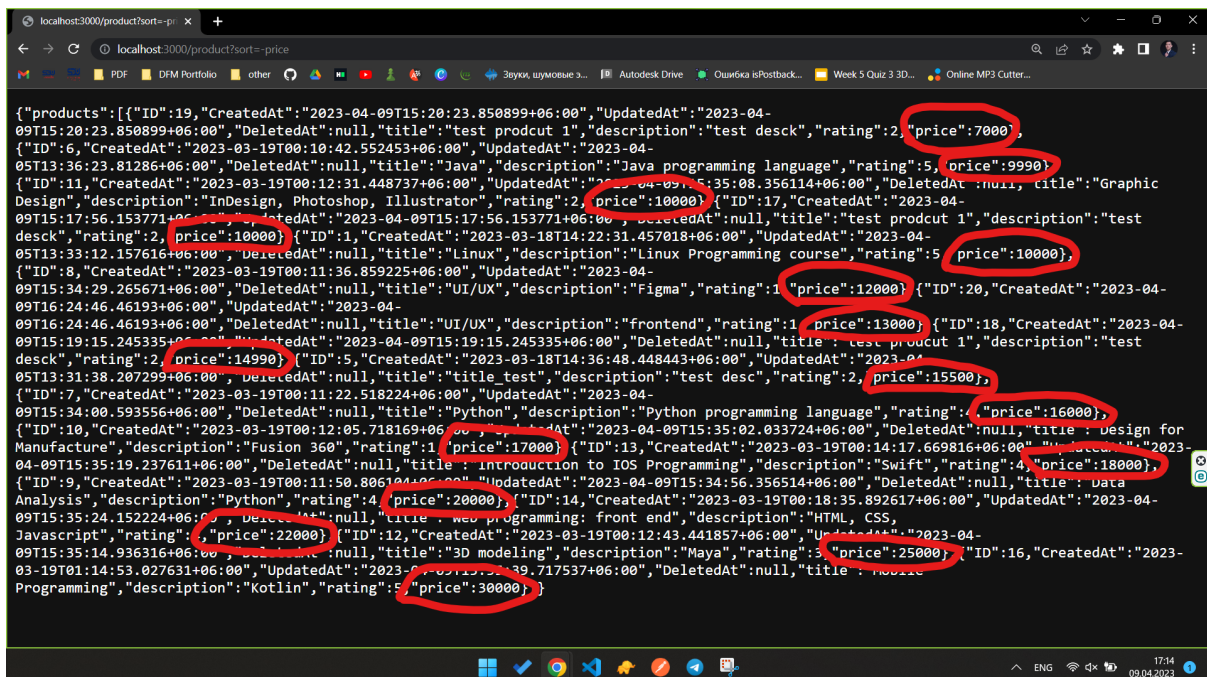
We have our price. It is sorted from *Largest 30000* to *Smallest 7000*.



```
{
  "products": [
    {
      "ID": 16,
      "CreatedAt": "2023-03-19T01:14:53.027631+06:00",
      "UpdatedAt": "2023-04-09T15:35:39.717537+06:00",
      "DeletedAt": null,
      "title": "Mobile Programming",
      "description": "Kotlin",
      "rating": 3,
      "price": 30000
    },
    {
      "ID": 12,
      "CreatedAt": "2023-03-19T00:12:43.410377+06:00",
      "UpdatedAt": "2023-04-09T15:35:14.936316+06:00",
      "DeletedAt": null,
      "title": "3D modeling",
      "description": "Maya",
      "rating": 3,
      "price": 25000
    },
    {
      "ID": 14,
      "CreatedAt": "2023-03-19T00:18:35.892617+06:00",
      "UpdatedAt": "2023-04-09T15:35:24.152224+06:00",
      "DeletedAt": null,
      "title": "Web programming: front end",
      "description": "HTML, CSS, Javascript",
      "rating": 4,
      "price": 22000
    },
    {
      "ID": 9,
      "CreatedAt": "2023-03-19T00:11:50.806104+06:00",
      "UpdatedAt": "2023-04-09T15:34:56.356514+06:00",
      "DeletedAt": null,
      "title": "Data Analysis",
      "description": "Python",
      "rating": 4,
      "price": 20000
    },
    {
      "ID": 13,
      "CreatedAt": "2023-03-19T00:14:17.669816+06:00",
      "UpdatedAt": "2023-04-09T15:35:19.237611+06:00",
      "DeletedAt": null,
      "title": "Introduction to IOS Programming",
      "description": "Swift",
      "rating": 4,
      "price": 18000
    },
    {
      "ID": 10,
      "CreatedAt": "2023-03-19T00:12:05.718169+06:00",
      "UpdatedAt": "2023-04-09T15:34:00.593556+06:00",
      "DeletedAt": null,
      "title": "Design for Manufacture",
      "description": "Fusion 360",
      "rating": 1,
      "price": 17000
    },
    {
      "ID": 7,
      "CreatedAt": "2023-03-19T00:11:22.518224+06:00",
      "UpdatedAt": "2023-04-09T15:34:00.593556+06:00",
      "DeletedAt": null,
      "title": "Python programming language",
      "rating": 4,
      "price": 16000
    },
    {
      "ID": 5,
      "CreatedAt": "2023-03-18T14:36:48.448443+06:00",
      "UpdatedAt": "2023-04-05T13:31:38.207299+06:00",
      "DeletedAt": null,
      "title": "title test",
      "description": "test desc",
      "rating": 2,
      "price": 15500
    },
    {
      "ID": 18,
      "CreatedAt": "2023-04-09T15:19:15.245335+06:00",
      "UpdatedAt": "2023-04-09T15:19:15.245335+06:00",
      "DeletedAt": null,
      "title": "test product 1",
      "description": "test desc",
      "rating": 2,
      "price": 14990
    },
    {
      "ID": 20,
      "CreatedAt": "2023-04-09T16:24:46.46193+06:00",
      "UpdatedAt": "2023-04-09T16:24:46.46193+06:00",
      "DeletedAt": null,
      "title": "UI/UX",
      "description": "Figma",
      "rating": 1,
      "price": 12000
    },
    {
      "ID": 8,
      "CreatedAt": "2023-03-19T00:11:36.859225+06:00",
      "UpdatedAt": "2023-04-09T15:34:29.265671+06:00",
      "DeletedAt": null,
      "title": "Linux",
      "description": "Linux Programming course",
      "rating": 5,
      "price": 10000
    },
    {
      "ID": 17,
      "CreatedAt": "2023-04-09T15:17:56.153771+06:00",
      "UpdatedAt": "2023-04-09T15:17:56.153771+06:00",
      "DeletedAt": null,
      "title": "test product 1",
      "description": "test desc",
      "rating": 2,
      "price": 10000
    },
    {
      "ID": 11,
      "CreatedAt": "2023-03-19T00:12:31.448737+06:00",
      "UpdatedAt": "2023-04-09T15:35:08.356114+06:00",
      "DeletedAt": null,
      "title": "Graphic Design",
      "description": "InDesign, Photoshop, Illustrator",
      "rating": 2,
      "price": 10000
    },
    {
      "ID": 6,
      "CreatedAt": "2023-03-19T00:10:42.552453+06:00",
      "UpdatedAt": "2023-04-05T13:36:23.81286+06:00",
      "DeletedAt": null,
      "title": "Java",
      "description": "Java programming language",
      "rating": 5,
      "price": 9990
    },
    {
      "ID": 19,
      "CreatedAt": "2023-04-09T15:20:23.850899+06:00",
      "UpdatedAt": "2023-04-09T15:20:23.850899+06:00",
      "DeletedAt": null,
      "title": "test product 1",
      "description": "test desc",
      "rating": 2,
      "price": 7000
    }
  ]
}
```

<http://localhost:3000/product?sort=-price> - Sorting of products by price from the smallest to the largest.

We have our price. It is sorted from *Smallest 7000* to *Largest 30000*.

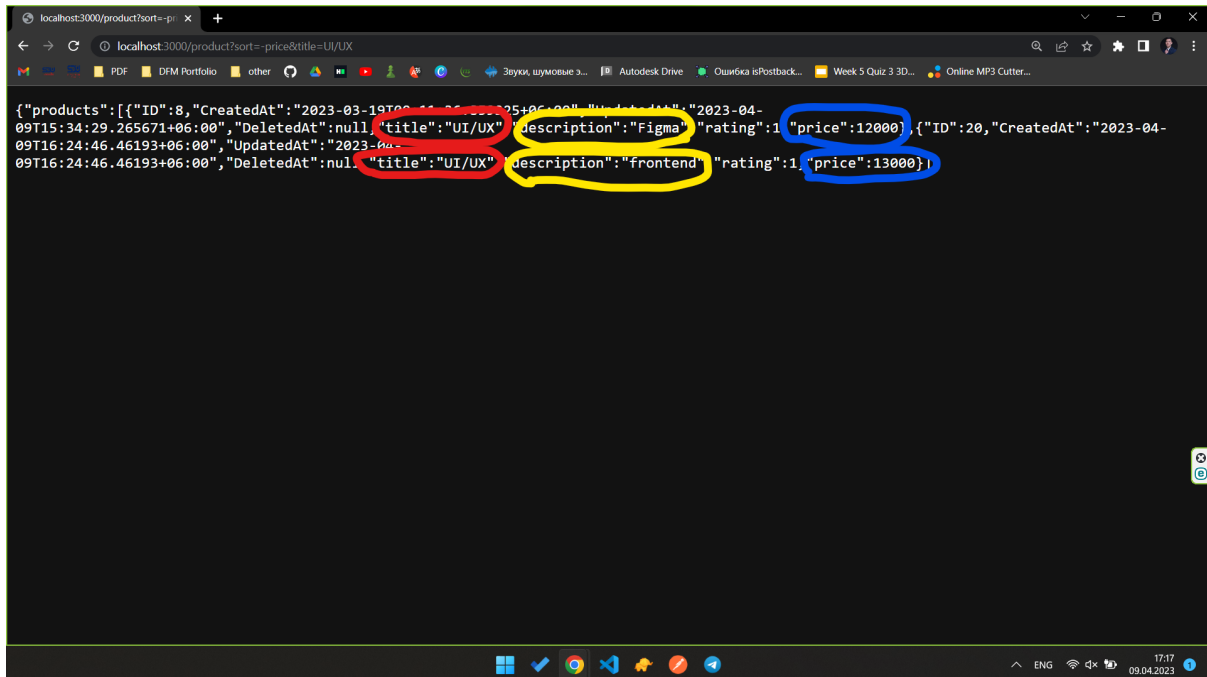


```
{
  "products": [
    {
      "ID": 19,
      "CreatedAt": "2023-04-09T15:20:23.850899+06:00",
      "UpdatedAt": "2023-04-09T15:20:23.850899+06:00",
      "DeletedAt": null,
      "title": "test product 1",
      "description": "test desc",
      "rating": 2,
      "price": 7000
    },
    {
      "ID": 16,
      "CreatedAt": "2023-03-19T00:10:42.552453+06:00",
      "UpdatedAt": "2023-04-05T13:36:23.81286+06:00",
      "DeletedAt": null,
      "title": "Java",
      "description": "Java programming language",
      "rating": 5,
      "price": 9990
    },
    {
      "ID": 11,
      "CreatedAt": "2023-03-19T00:12:31.448737+06:00",
      "UpdatedAt": "2023-04-09T15:35:08.356114+06:00",
      "DeletedAt": null,
      "title": "Graphic Design",
      "description": "InDesign, Photoshop, Illustrator",
      "rating": 2,
      "price": 10000
    },
    {
      "ID": 17,
      "CreatedAt": "2023-04-09T15:17:56.153771+06:00",
      "UpdatedAt": "2023-04-09T15:17:56.153771+06:00",
      "DeletedAt": null,
      "title": "test product 1",
      "description": "test desc",
      "rating": 2,
      "price": 10000
    },
    {
      "ID": 1,
      "CreatedAt": "2023-03-18T14:22:31.457018+06:00",
      "UpdatedAt": "2023-04-05T13:31:38.207299+06:00",
      "DeletedAt": null,
      "title": "Linux",
      "description": "Linux Programming course",
      "rating": 5,
      "price": 10000
    },
    {
      "ID": 8,
      "CreatedAt": "2023-03-19T00:11:36.859225+06:00",
      "UpdatedAt": "2023-04-09T15:34:29.265671+06:00",
      "DeletedAt": null,
      "title": "UI/UX",
      "description": "Figma",
      "rating": 1,
      "price": 12000
    },
    {
      "ID": 20,
      "CreatedAt": "2023-04-09T16:24:46.46193+06:00",
      "UpdatedAt": "2023-04-09T16:24:46.46193+06:00",
      "DeletedAt": null,
      "title": "UI/UX",
      "description": "Figma",
      "rating": 1,
      "price": 13000
    },
    {
      "ID": 18,
      "CreatedAt": "2023-04-09T15:19:15.245335+06:00",
      "UpdatedAt": "2023-04-09T15:19:15.245335+06:00",
      "DeletedAt": null,
      "title": "test product 1",
      "description": "test desc",
      "rating": 2,
      "price": 14990
    },
    {
      "ID": 5,
      "CreatedAt": "2023-03-18T14:36:48.448443+06:00",
      "UpdatedAt": "2023-04-05T13:31:38.207299+06:00",
      "DeletedAt": null,
      "title": "title test",
      "description": "test desc",
      "rating": 2,
      "price": 15500
    },
    {
      "ID": 7,
      "CreatedAt": "2023-03-19T00:11:22.518224+06:00",
      "UpdatedAt": "2023-04-09T15:34:00.593556+06:00",
      "DeletedAt": null,
      "title": "Python",
      "description": "Python programming language",
      "rating": 4,
      "price": 16000
    },
    {
      "ID": 10,
      "CreatedAt": "2023-03-19T00:12:05.718169+06:00",
      "UpdatedAt": "2023-04-09T15:35:02.033724+06:00",
      "DeletedAt": null,
      "title": "Design for Manufacture",
      "description": "Fusion 360",
      "rating": 1,
      "price": 17000
    },
    {
      "ID": 13,
      "CreatedAt": "2023-03-19T00:14:17.669816+06:00",
      "UpdatedAt": "2023-04-09T15:35:19.237611+06:00",
      "DeletedAt": null,
      "title": "Introduction to IOS Programming",
      "description": "Swift",
      "rating": 4,
      "price": 18000
    },
    {
      "ID": 9,
      "CreatedAt": "2023-03-19T00:11:50.806104+06:00",
      "UpdatedAt": "2023-04-09T15:34:56.356514+06:00",
      "DeletedAt": null,
      "title": "Data Analysis",
      "description": "Python",
      "rating": 4,
      "price": 20000
    },
    {
      "ID": 14,
      "CreatedAt": "2023-03-19T00:18:35.892617+06:00",
      "UpdatedAt": "2023-04-09T15:35:24.152224+06:00",
      "DeletedAt": null,
      "title": "Web programming: front end",
      "description": "HTML, CSS, Javascript",
      "rating": 4,
      "price": 22000
    },
    {
      "ID": 12,
      "CreatedAt": "2023-03-19T00:12:43.410377+06:00",
      "UpdatedAt": "2023-04-09T15:35:14.936316+06:00",
      "DeletedAt": null,
      "title": "3D modeling",
      "description": "Maya",
      "rating": 3,
      "price": 25000
    },
    {
      "ID": 16,
      "CreatedAt": "2023-03-19T01:14:53.027631+06:00",
      "UpdatedAt": "2023-04-09T15:35:39.717537+06:00",
      "DeletedAt": null,
      "title": "Mobile Programming",
      "description": "Kotlin",
      "rating": 3,
      "price": 30000
    }
  ]
}
```

<http://localhost:3000/product?sort=-price&title=UI/UX> - Sorting products and searching at the same time.

Here we have two similar title: "UI/UX". And this is by title and price from smallest to largest

Here it is "price":12000 to "price":13000.



```
{
  "products": [
    {
      "ID": 8,
      "CreatedAt": "2023-03-19T00:00:00.000Z",
      "UpdatedAt": "2023-04-09T15:34:29.265671+06:00",
      "DeletedAt": null,
      "title": "UI/UX",
      "description": "Figma",
      "rating": 1,
      "price": 12000
    },
    {
      "ID": 20,
      "CreatedAt": "2023-04-09T16:24:46.46193+06:00",
      "UpdatedAt": "2023-04-09T16:24:46.46193+06:00",
      "DeletedAt": null,
      "title": "UI/UX",
      "description": "frontend",
      "rating": 1,
      "price": 13000
    }
  ]
}
```