



Fashion Shop is an e-commerce marketplace specializing in fashion products. They want to have a simple product catalog filterable by specific attributes on their website. They prefer an API driven approach for the backend as they want similar features in a native mobile app down the road.

Your task is to build an API for the product catalog.

Backend

1. It stores product information (Name, Description, Price)
2. The API should be able to return
 - a. A listing of products
 - b. A single product
3. Accepts mandatory / optional parameters to
 - a. Filter products based on specific categories or price Sort products based on price
 - b. Paginate products
 - c. A combination of all the above
4. Please provide documentation for the API endpoints

Additional Information

Your solution will be assessed based on the following criteria:

- Readability. This includes tests that well documents the behavior
- Modularity and Separation of Concerns
- Testability
- Database integrity
- Completion of requirements

Instructions

You are given 1 week for this take home test. Do not submit an incomplete solution - request for a time extension if you are not able to meet the deadline.

Upon completion, push source code to a git repository (Github, Bitbucket etc) and deploy your solution. Don't forget to share the link with us.

Good luck and happy coding!