



## Task24-0001 | Backend Task (Laravel)

Build an e-commerce project using **Laravel** and create **REST API** endpoints compliant with the mentioned requirements.

Ensure the code is organized and clean.

### Required Points:

1. Registering a new customer using a username and password.
2. Logging in for both the customer and admin using a username and password.
3. Adding a new category for products and retrieving it from the admin.
4. Adding products from admin, including name, description, image, price, and variable attributes such as color and size (attributes may vary for each product or some products may not have other attributes), and each product can belong to -one or more categories.
5. Retrieving all products with a filter and the ability to sort by newest products or highest/lowest price.
6. Shopping cart for the user.

You need to construct the pages and link them with an API.

Complete your task, then upload it to GitHub with database included.

**All the best .....**