

Laravel Developer Assessment – E-commerce API with Bagisto

Objective

Assess your Laravel proficiency by building a lightweight e-commerce backend using Laravel + Bagisto, and exposing key e-commerce operations via REST API.

Project Requirements

1. Environment Setup

- Install a fresh Laravel project.
- Install and configure Bagisto framework (<https://devdocs.bagisto.com/>)
- Configure database and .env settings.
- Seed the platform using either:
 - Laravel seeders

 Note: Include your `.env` file (excluding sensitive data) and database export (`.sql`) in the final submission.

Development Tasks

A. REST API (via Bagisto or custom controller wrappers)

Develop the following API endpoints. Provide a Postman Collection with working tests.

Method	Endpoint	Description
GET	/api/categories	Fetch all product categories
GET	/api/products	Fetch all products (basic details like name, price, category)
POST	/api/cart	Add a product to cart (accept product ID and quantity)
POST	/api/checkout	Checkout with billing/shipping address and customer info

Use either Bagisto REST APIs directly or wrap them with custom Laravel controllers for

clarity.

B. Admin Panel Configuration

- Create categories and sub categories (The main categories should be Men and Women, Sub categories for Men: Shirts, TShirts, Pants..., and for women Dresses, Co-ords, Tops)
- Create 5+ sample products (linked to categories)
- Place a sample order
- Generate an invoice from that order

Deliverables

1. Laravel project (GitHub link or zip)
2. ` `.env` file (with DB credentials anonymized)
3. Database dump (`.sql`)
4. Postman Collection file
5. README.md with setup instructions

Evaluation Criteria

Area	Details
 Code Quality	Laravel structure, reuse, and clarity
 Bagisto Use	Installation, config, and API leverage
 API Quality	RESTful design, correctness, error handling
 Postman Collection	Demonstrates endpoint functionality clearly
 Admin Usage	Correct use of admin panel to manage products and orders
 Git Usage	Good commits, basic version control hygiene

Suggested Time Limit

2 Days

Additional Notes

- ✓ Must Include:
- ` `.env` file (sanitized)
 - Database export
 - Postman collection

- Setup instructions

Optional Bonus (for Extra Credit)

If you'd like to showcase advanced skills, implement product filters using faceted search, such as:

- Filter products by category
- Filter by price range
- Filter by attributes (e.g., color, size)

This is optional but gives us a better view of your architecture and data modeling skills.