Laravel Application for Product Management

Task:

1. Laravel API that manages a company's inventory.
2. The application allows users to add, view, update, and delete products from the inventory.
3. User can login and register in the system and on successful registration one temporary password generates which is going to be used for login by the user
4. Design database which supports product and category data.

Requirements:

1. Product Management:

- add, view, update and delete products including their categories

- Implement a feature to allow users to upload product images when adding or updating a product.

  - Add validation to ensure that product names are unique.

  - Implement pagination for the product listing page to display 10 products per page.

2. API Development:

  - Develop a RESTful API endpoint to retrieve a list of products in JSON format.

  - Include filtering options in the API endpoint to allow users to filter products by category and price range.

  - Secure the API endpoint with JWT authentication.

Evaluation Criteria:
- Laravel API:

  - Correct implementation of product management.

  - Adherence to Laravel best practices and coding standards.

  - Validation and error handling for user inputs.

- API Development:

  - Creation of a well-documented and secure API endpoint.

  - Proper implementation of filtering options and pagination.

  - Integration of JWT authentication for API security.

Submission:

Provide a GitHub repository or postman API exported containing your Laravel API code with detailed README documentation explaining how to run the application locally and access the API endpoints.

Note: You are encouraged to use Laravel's built-in features and third-party packages/plugins where applicable to streamline the development process.