

Laravel Developer Interview Task

#ts1projects/rekrutacje

Task Overview:

You are required to develop a simple content management system (CMS) with the following functionalities using Laravel + filament. The CMS should allow users to manage articles. This task will assess your ability to work with Laravel's MVC structure, filament, Eloquent ORM, authentication, middleware, and RESTful APIs.

Requirements:

1. User Authentication:

- * Implement user registration and login using Laravel's built-in authentication.
- * Only authenticated users can create, edit, delete, and view articles.

2. Article Management:

- * Each article should have a title, body, and publication date.
- * Implement CRUD (Create, Read, Update, Delete) operations for articles.
- * Ensure only the author of an article can edit or delete it.

3. RESTful API:

- * Create a RESTful API for the articles.
- * The API should allow the following operations:
 - * Retrieve a list of all articles (public).
 - * Retrieve a single article by ID (public).
 - * Create a new article (authenticated users only).
 - * Update an existing article (only by the author).
 - * Delete an article (only by the author).

4. Validation:

- * Ensure proper validation for all input fields in the article and user forms.
- * Use Laravel's validation methods to enforce rules such as required fields, string lengths, and valid email format for user registration.

5. Middleware:

- * Implement middleware to check if the user is authenticated before allowing access to the article management routes.
- * Create custom middleware to ensure only the article author can edit or delete their articles.

6. Database:

- * Use Laravel migrations to create the necessary database tables.

- * Create seeders to populate the database with some initial data for testing purposes.

7. Front-end:

- * Use filament

8. Testing:

- * Write unit and feature tests for the article management functionality.
- * Ensure the tests cover all critical functionalities like article creation, updating, deletion, and viewing.

Bonus Points:

- Implement pagination for the article list.
- Add search functionality to find articles by title or content.

Submission:

- Submit your code in a GitHub repository with clear instructions on how to set up and run the project locally.
- Include a README file with an overview of your approach, any assumptions made, and any additional features or improvements you implemented.

Evaluation Criteria:

- Code quality and organization.
- Adherence to Laravel best practices.
- Functionality and completeness of the implemented features.
- Proper use of Laravel's built-in features and components.
- Clear and concise documentation.
- Test coverage and quality.

This task is designed to evaluate your practical skills in building a web application using Laravel, your understanding of its core components, and your ability to follow best practices. Good luck!