

Laravel Fullstack Assessment Test

Part 1: Database Design

Design a database schema for a simple blogging platform that has the following requirements:

- Blog posts have a title, content, author, published date, and status.
- Users have a name, email, password, and role (admin or regular user).
- Users can write blog posts.
- Users can leave comments on blog posts.
- Users can like and dislike blog posts and comments.

Part 2: Backend Development

Using Laravel, create a RESTful API that allows users to perform the following actions:

- Register and authenticate (login/logout).
- Create, update, and delete blog posts.
- Read and filter blog posts by status, author, and date.
- Create, update, and delete comments on blog posts.
- Like and dislike blog posts and comments.

The API should validate all input data and return appropriate HTTP status codes and response messages. Also, include appropriate authentication and authorization mechanisms to ensure that only authenticated users can perform certain actions (e.g., create, update, or delete blog posts).

Part 3: Frontend Development

Using Vue.js and Tailwind, create a frontend web application that consumes the RESTful API and allows users to perform the following actions:

- Register and authenticate (login/logout).
- Create, update, and delete blog posts.
- Read and filter blog posts by status, author, and date.
- Create, update, and delete comments on blog posts.
- Like and dislike blog posts and comments.

The frontend should be responsive and user-friendly, with appropriate form validations and error handling. Also, include appropriate authentication and authorization mechanisms to ensure that only authenticated users can perform certain actions (e.g., create, update, or delete blog posts).

Part 4: Bonus Task

Implement a search functionality that allows users to search for blog posts by title or content. The search results should be displayed in real-time as the user types.

Deliverables:

- Put your code into a private gitlab repository, and invite to the repository the following gitlab users as Developer :
 - @stacman
 - @andreskyjois8
- A README file with instructions on how to run the application locally
- and short brief of design system.

