

Lightweight Task: Simple Task Tracker

Objective:

Create a simple task tracker using Laravel with Filament and Livewire. The system should allow users to create, update, and delete tasks while providing real-time updates when tasks are modified.

Requirements:

1. Setup and Environment:

- Use Laravel 9 or later.
- Use Filament and Livewire for the UI and real-time interactions.
- Use MySQL as the database.
- Host the source code on GitHub.

2. Basic Features:

- User Authentication:
 - Implement basic user registration and login using Laravel's built-in authentication or Laravel Breeze.
- Task Management:
 - Users should be able to create, read, update, and delete tasks.
 - Each task should have the following fields:
 - Title (string)
 - Description (text)
- Real-Time Updates:
 - Use Livewire for real-time updates to the task list.
 - Notify users in real-time when tasks are created or updated.

Documentation:

Provide a README file with clear instructions on how to set up and run the application locally.

Deliverables:

1. Source code hosted on a GitHub repository.
2. A README file including:
 - Setup instructions.
 - Brief description of the application.

Evaluation Criteria:

1. Code Quality:
 - i. Clean, readable, and well-documented code following best practices.
2. Functionality:
 - i. All required features should be implemented and working correctly.
3. Real-Time Integration:
 - i. Effective use of Livewire for real-time task updates and UI changes.
4. Database Design:
 - i. Efficient and normalized database schema design.
5. GitHub Usage:
 - i. Proper version control with meaningful commit messages and a well-organized repository structure.
6. Documentation:
 - i. Clear and comprehensive setup instructions in the README file.