Task Management Web Application Project Plan

### 1. Project Setup

1. Install Laravel

2. Set up environment variables in `.env`:

3. . Initialize the Git repository and make the first commit.

### 2. Authentication Module

1. Install and implement Laravel Breeze.

### 3. Task Management Module

#### 3.1. Database Design

1. Create a database migration for tasks.

#### 3.2. Views and CRUD Operations

1. Task List (Dashboard)

2. Task Creation Form

3. Edit Task

4. Delete Task

## 4. Task Comments Module

### 4.1. Database Design

1. Create a migration for comments and define table relationships.

### 4.2. Views and CRUD Operations

1. Task Details View

2. Add Comment Functionality.

## 5. Notifications Module

### 5.1. Email Notifications

1. Use Laravel Scheduler to send reminders for tasks due within 24 hours.

2. Trigger an email notification when a new comment is added to a task

## 6. User Roles and Permissions Module

### 6.1. Database Design

1. Create a migration for the roles table.

2. Create seeders for users and roles for testing purposes.

### 6.2. Define Access Control

1. Regular Users: Can manage only their tasks and comments.

2. Admin Users: Can view, update, or delete all tasks and comments.