

Task Management Web Application

(Laravel Developer Assessment)

System Planning Document

M.P.S. Wijesinghe

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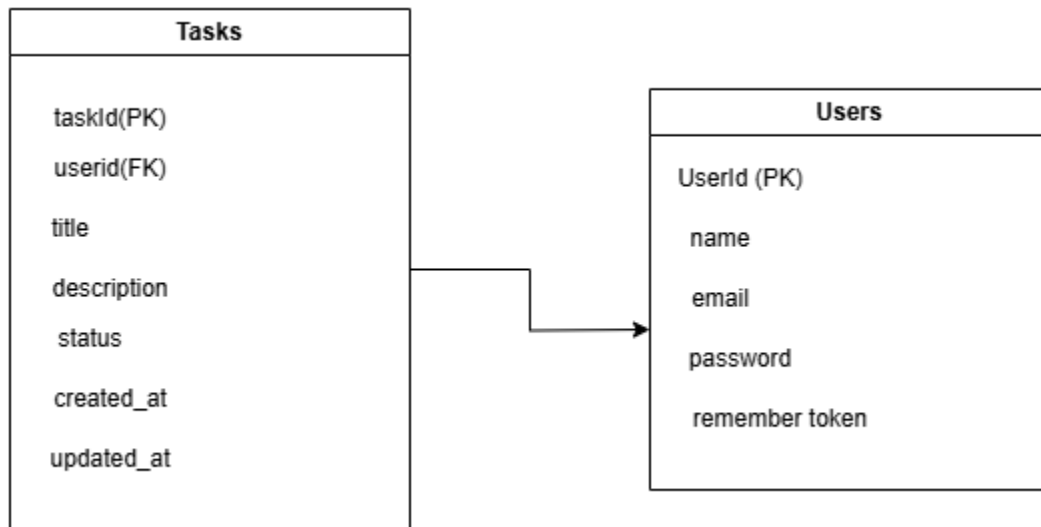
Executive Summary

The Task Management Application is a web-based system designed to help users organize, track, and manage their daily tasks efficiently.

Tech Stack

- Backend: Laravel 10+
- Frontend: Blade templates + TailwindCSS
- Authentication: Laravel Breeze
- DB: MySQL
- Version Control: GitHub
- Dev tools: Composer, NPM, Node, XAMPP

ER Diagram



App Flow Overview

1. User Authentication

- New users → Register via Breeze form.
- Existing users → Login with email/password.

2. Dashboard

- After login, user is redirected to dashboard.
- Dashboard shows tasks grouped by **status**:
 - Pending
 - In Progress
 - Completed

3. Task Management (CRUD)

- **Create Task:** User enters title, description, due date, and status.
- **Read Tasks:** Dashboard displays grouped tasks.
- **Update Task:** Edit details or change status.
- **Delete Task:** Remove task permanently.

Summary

This document provides:

- Tech stack chosen (Laravel, Tailwind, MySQL).
- Database schema with ER diagram.
- App flow from authentication → dashboard → task CRUD.