

Project Details

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Roll Number : 7376221ME150
Project ID : 07
Tech Stack : LAMP
Project Name : Task
Dashboard Management

Technical Components

Work Phase	Tech Components used
UI / UX Designing	Figma
Front End Development	HTML, CSS, Javascript
Database Implementation	MYSQL
Back End Development	Laravel

Project Implementation Timeline

Stage	Deadline	Phase	Status
1		Planning and Requirement gathering	completed
2		Design and Prototyping	Not started
3		Database Designing	Not started
4		BackEnd Development	Not started
5		Testing And Implementation	Not started
6		Deployment	Not started

Problem Statement:

Our current task management system is facing several critical challenges that impede our efficiency and effectiveness:

1. **Lack of Centralized Task Management:** Tasks are scattered across various platforms, making it difficult to keep track of deadlines, progress, and responsibilities. This fragmentation results in missed deadlines and inefficient task management.
2. **Inadequate Overdue Task Visibility:** We do not have a reliable way to identify and address overdue tasks promptly. This leads to delays in project completion and affects overall productivity.
3. **Unclear Active Task Monitoring:** Monitoring active tasks is cumbersome, resulting in poor prioritization and allocation of resources. This hampers our ability to focus on high-priority tasks and affects overall workflow.
4. **Limited Insight into Completed Tasks:** There is no efficient system to review completed tasks and analyze performance. This lack of visibility prevents us from identifying patterns and areas for improvement.
5. **Administrative Burden:** The manual process of tracking tasks, sending reminders, and updating statuses is time-consuming and prone to errors. This administrative burden diverts attention from strategic activities that can enhance our productivity and efficiency.

PROJECT-FLOW:

Purpose: To develop an admin and user dashboard for a task portal that facilitates viewing and managing overdue, active, and completed tasks, thereby improving task tracking, prioritization, and overall productivity.

Scope: This system includes user authentication, task creation and management functionalities, and dashboards for viewing and filtering overdue, active, and completed tasks. It aims to centralize task information and streamline task management processes.

Business Context: The task management dashboard is designed to alleviate the administrative burden and enhance task tracking and management practices within the organization. Primary stakeholders include project managers and team members responsible for tracking and completing tasks efficiently.

Consideration:

- Integration with authentication mechanisms for user access control.
- Compatibility with existing project management tools and data formats.
- User-friendly interface for easy navigation and task management.
- Real-time updates to reflect task status changes promptly.

Dependencies:

- Integration with authentication systems for user login and access control.
- Compatibility with existing project management tools and data formats for task import/export.
- Real-time synchronization mechanisms to ensure the accuracy of task status.

User Stories:

- **As an administrator,** I want to register and authenticate users to grant them access to the task portal.
- **As an administrator,** I want to create, assign, and manage tasks to ensure proper task allocation and tracking.

- **As a user,** I need to view my overdue tasks to prioritize and complete them promptly.
- **As a user,** I want to filter active tasks based on specific criteria to focus on current priorities.
- **As a user,** I need to view completed tasks to track progress and review past work.
- **As an administrator,** I want to generate reports on task statuses (overdue, active, completed) for performance analysis and decision-making.
- **As an administrator,** I need to configure user roles and permissions to ensure data security and proper access control.

Product Perspective: The Task Management Dashboard (TMD) serves as a centralized platform for project management purposes within organizations. It caters to the needs of project managers and team members, providing essential functionalities for task management, tracking, and reporting related to overdue, active, and completed tasks.

Product Functions: The TMD offers the following core functionalities:

- **User Registration and Authentication:** Secure system access for administrators and users.
- **Task Creation and Management:** Comprehensive functionalities for creating, assigning, and updating tasks.
- **Overdue Task Monitoring:** Tools for identifying and managing overdue tasks to ensure timely completion.
- **Active Task Tracking:** Features for monitoring and prioritizing active tasks based on various criteria.
- **Completed Task Review:** Capabilities for viewing and analyzing completed tasks for performance assessment.
- **Administrative Tools:** Tools for user account management, system configuration, and access control.

- **Reporting and Analytics:** Generating reports on task statuses (overdue, active, completed) for informed decision-making.
- **User-Friendly Interface:** An intuitive and easy-to-navigate interface for efficient task management.

Specific Requirements:

User Roles:

- **Administrator:** Manages tasks, user accounts, and system settings with full access to all functionalities.
- **User:** Views and manages assigned tasks, can create, update, and filter tasks under the supervision of administrators.

Functional Requirements:

User Registration and Authentication:

- User registration page for administrators and users.
- Login functionality to authenticate users and grant access to the system.

Task Management:

- Forms for creating, updating, and deleting tasks.
- Search functionality to retrieve specific tasks based on user-defined criteria.

Task Status Tracking:

- Tools for marking tasks as overdue, active, or completed.
- Dashboards to view and filter tasks based on their status.

Data Import and Export:

- Tools for importing tasks from CSV files or other external sources.
- Export functionality to generate reports and export task data in various formats (e.g., CSV, Excel).

Record Filtering:

- Filters and search options to retrieve tasks based on priority, due date, assigned user, and status.
- Advanced filtering options for customized task analysis.

Administrative Tools:

- User management interface for adding, updating, and deleting user accounts.
- System settings page for configuring access permissions and other administrative settings.

Additional Considerations:

- **Security:** Secure user authentication and data encryption to protect user privacy.
- **User Interface (UI):** A user-friendly and intuitive interface for both administrators and users.

WEB APP WORKFLOW:

