

EasyDay

A Web App Project

MM/DD/YYYY

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 Demo at the end of the presentation

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Introduction

MAIN IDEA:

The EasyDay web application is a user-friendly platform designed for managing tasks, events, and notes efficiently.

Key features include:

- Weekly Planner: Helps users organize tasks and events on a weekly basis.
- Note-Taking System: Offers tools for organizing and managing notes effectively.
- Integrated Features: Combines task management and note-taking in one application, addressing the shortcomings of existing calendar tools.

Overall, EasyDay aims to simplify user organization and enhance productivity in a cohesive interface.

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System's Workflow

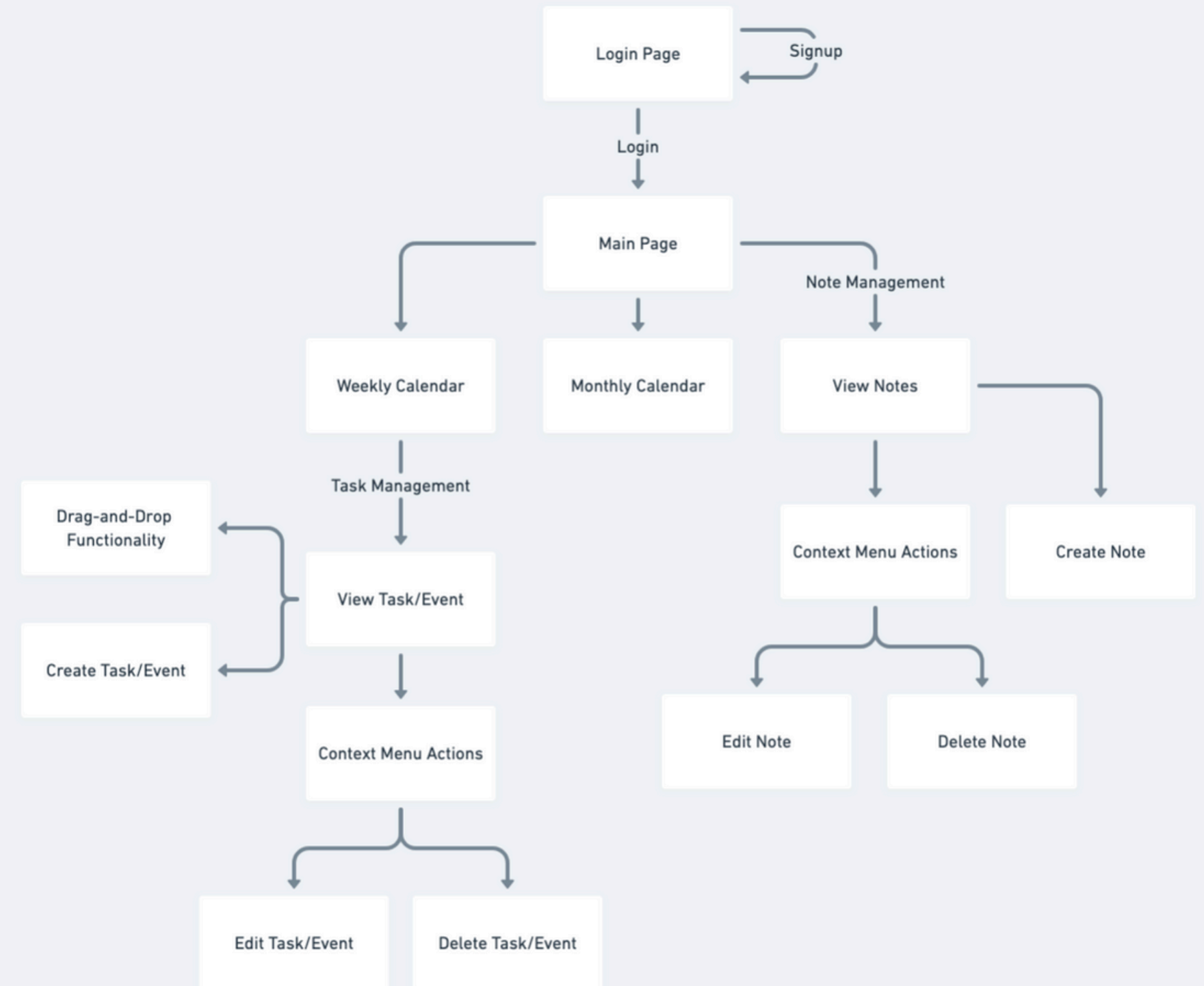
Login Page

- **Signup:** Users create accounts and are redirected to the login page after success.
- **Login:** Users access the main page

Main Page

- **Monthly Calendar:** View and navigate the current month.
- **Weekly Calendar:** Displays current week's tasks/events.
- **Task Management:**
 - Create: Add tasks/events with details and recurring options.
 - View/Edit/Delete: Manage tasks/events in real-time.
 - Drag-and-Drop: Easily rearrange tasks/events.
- **Note Management:**
 - Create/View/Edit/Delete: Manage notes sorted by deadline.
- **Context Menu:** Quick management of tasks/events and notes via right-click.

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Requirement Analysis

Non-Functional Requirements

- **Performance**
 - Response Time: Under 2 seconds.
- **Usability**
 - User Interface: Intuitive and accessible.
- **Reliability**
 - Availability: 99.9% uptime and regular data backups.
- **Maintainability**
 - Code Quality: Modular design with proper documentation and error handling.

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Functional Requirements

- **Authentication**
 - Signup/Login: Users create accounts and log in with unique credentials.
 - Session Management: Maintains user sessions across pages.
- **Task Management**
 - Create/View/Edit/Delete Tasks: Users manage tasks with details and recurring options.
- **Project Management**
 - Create/View/Edit/Delete Projects: Users manage projects with deadlines and content.
- **Calendar Views**
 - Weekly/Monthly: Displays tasks by week and month with navigation.
- **Data Persistence**
 - Local Storage: User data stored in the browser.
- **Drag and Drop**
 - Task Management: Users can rearrange tasks in the calendar.
- **Context Menu**
 - Actions: Right-click menu for managing tasks/projects.

Backend System Architecture

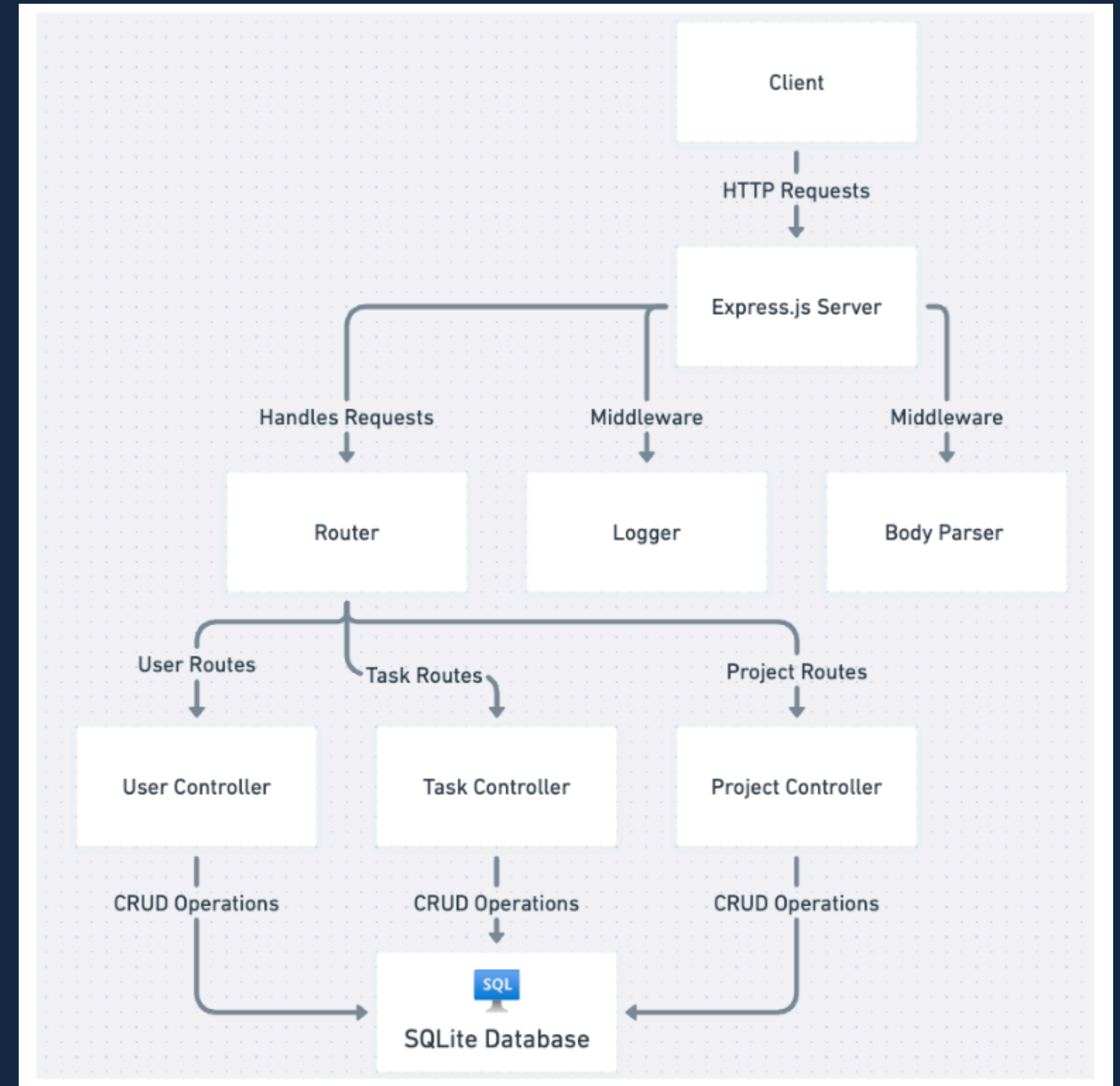
Components

- **Server:**
 - **Express.js:** Handles HTTP requests and responses.
- **Database:**
 - **SQLite:** Stores user, task, and project data.
- **Middleware:**
 - **Logger (Morgan):** Logs HTTP requests.
 - **Body Parser:** Parses JSON and URL-encoded data.
 - **Cookie Parser:** Manages cookies.
 - **Session Management:** Maintains user sessions.
 - **Authentication Middleware:** Verifies user credentials.

Component Details

- **Express.js Server:** Routes requests and processes APIs.
- **SQLite Database:** Stores key application data in structured tables.

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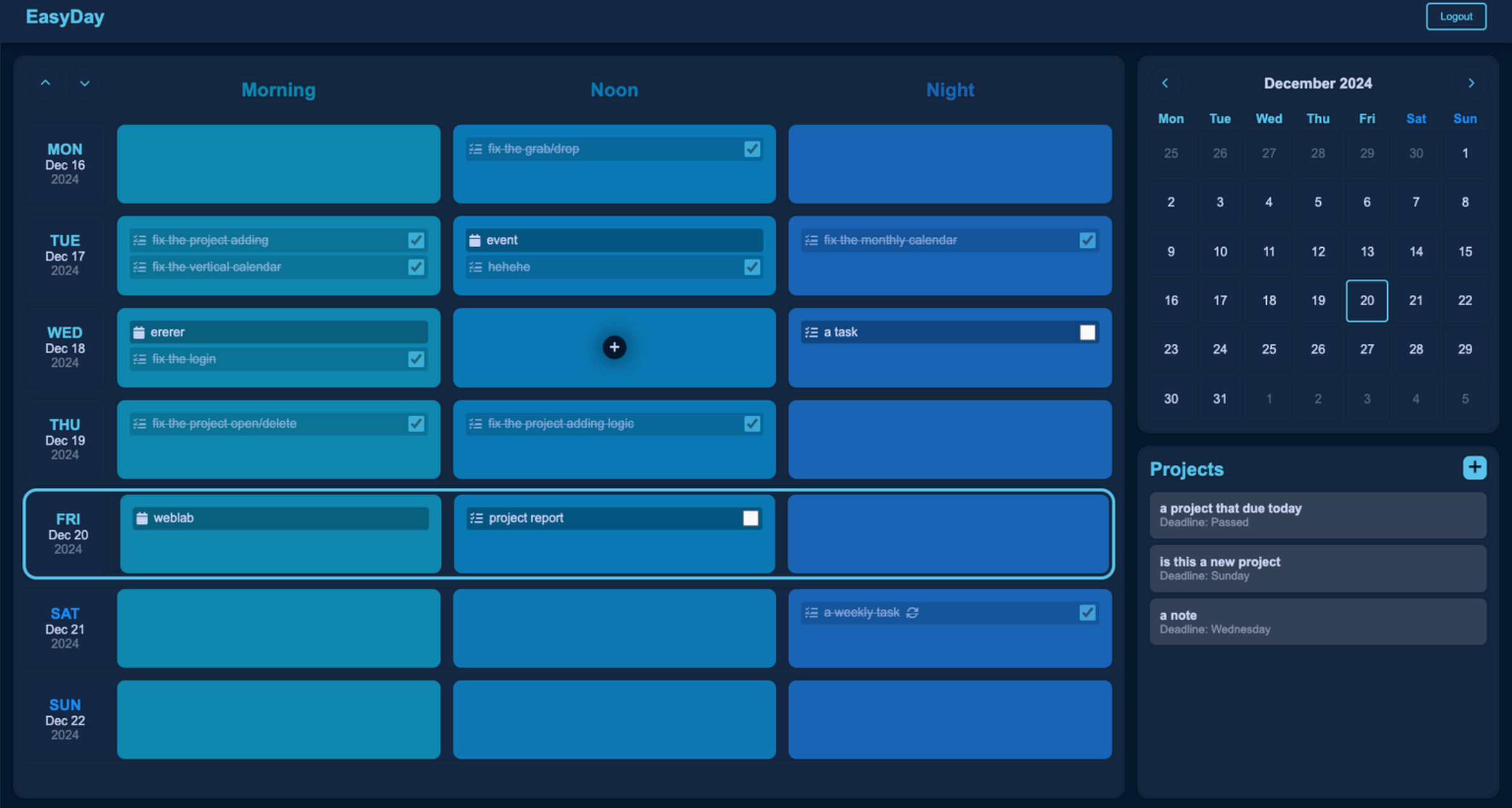


Demo

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Conclusion

EasyDay is a comprehensive and user-friendly web application that streamlines task, event, and note management. Featuring a vertical weekly calendar and a robust note-taking system, it offers an intuitive interface for daily organization. Unlike conventional tools, EasyDay integrates essential functionalities to enhance productivity and simplify the user experience, providing a cohesive solution for users.



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Thanks

Any questions?

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