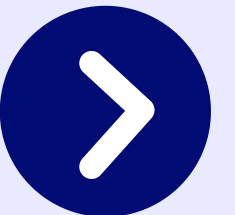


# Process Planning Software

**Developed by Rohan Joshua 22011102079**



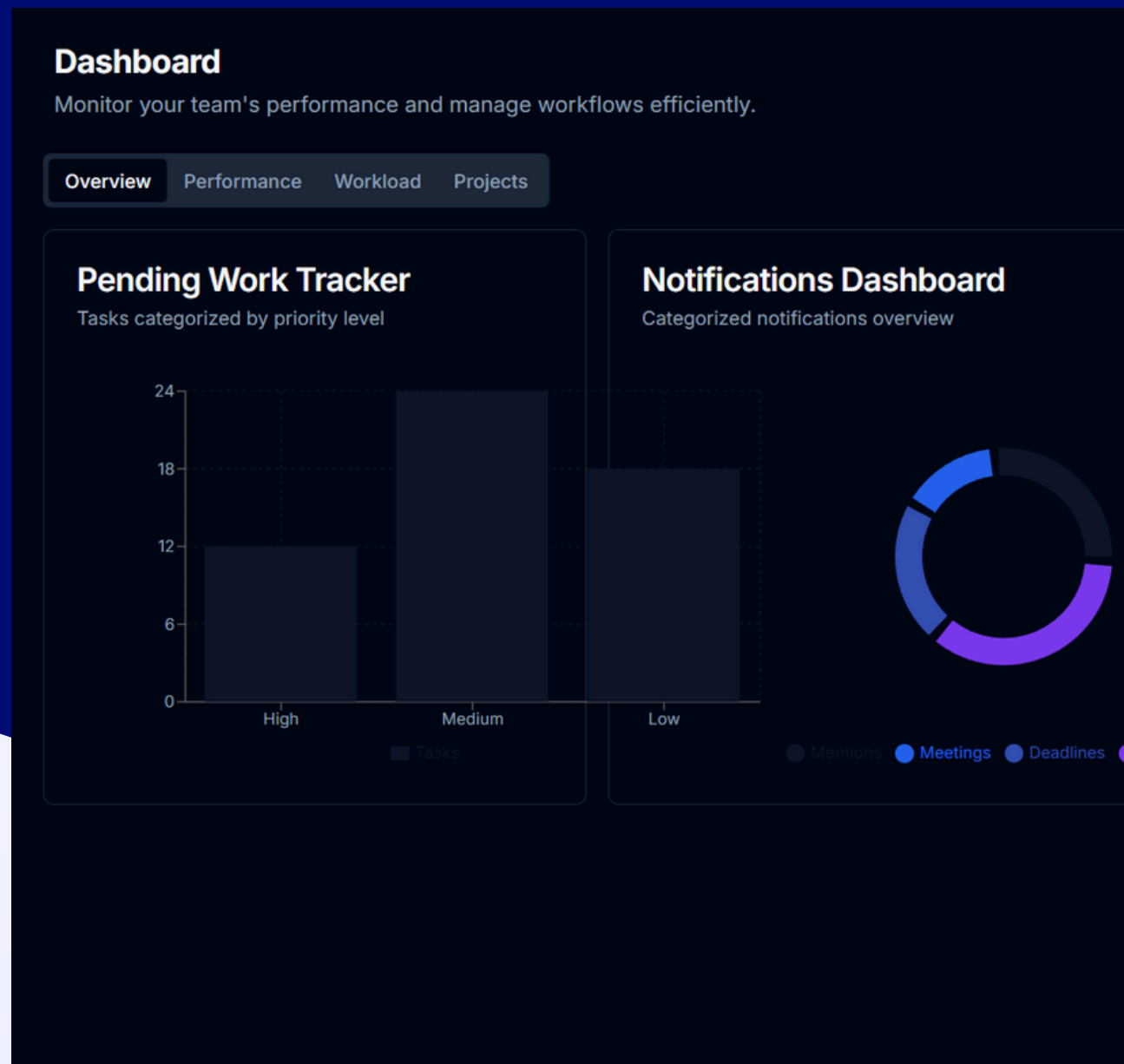
# Objective

To streamline process planning with an intuitive UI, interactive chat, and statistical dashboards.

- **Problem Statement:** Many businesses struggle with workflow optimization and team communication.
- **Solution:** A web app that integrates task tracking, messaging, and analytics.

## Design Approach

- **UI-Focused Development:** This project is centered entirely on front-end design with no backend functionality.
- **Vercel for Deployment:** Used Vercel for quick and efficient hosting without backend integration.
- **Component-Based UI:** Designed a modular interface for consistency and scalability.
- **User-Centered Design:** Ensured ease of use, accessibility, and a smooth user experience.
- **Performance & Responsiveness:** Optimized layouts for different screen sizes with fast load times.





# Dashboard

Monitor your team's performance and manage workflows efficiently.

+ New Project

Overview

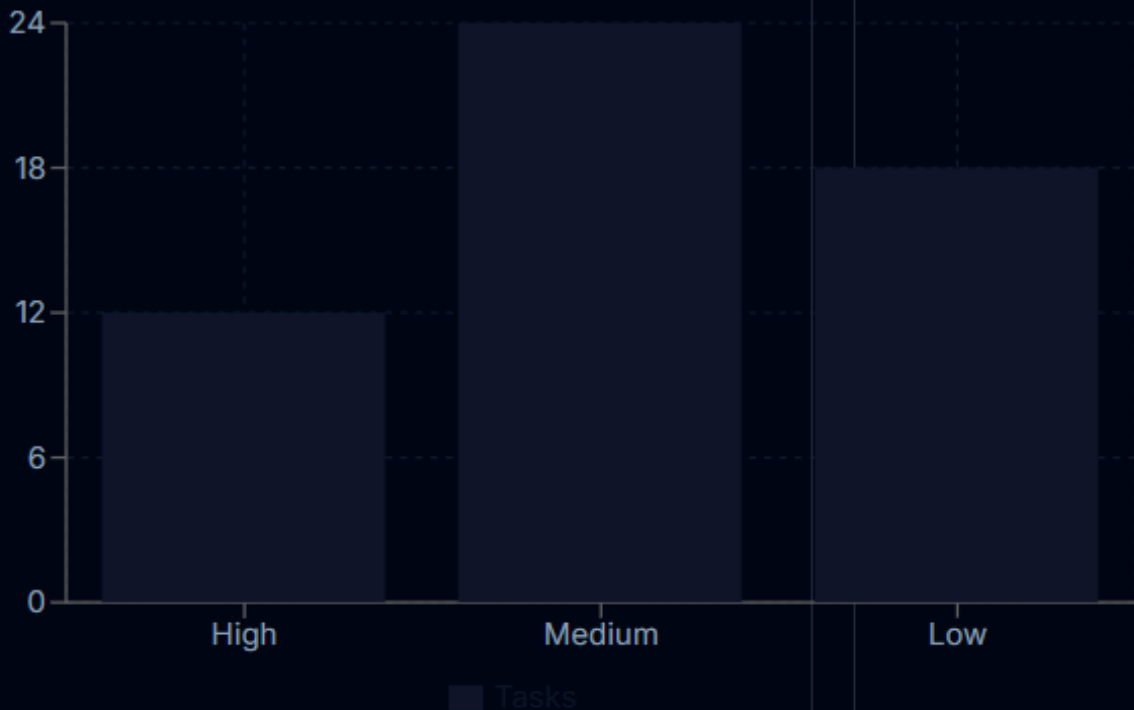
Performance

Workload

Projects

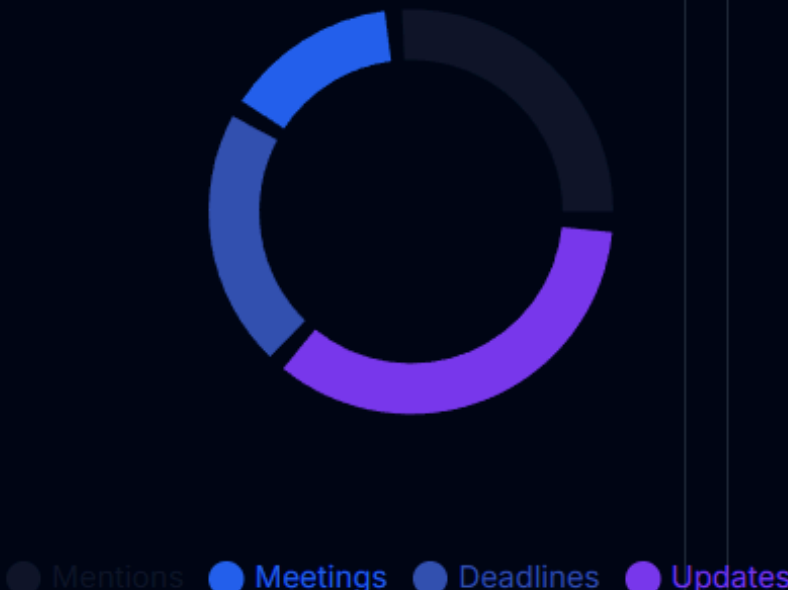
## Pending Work Tracker

Tasks categorized by priority level



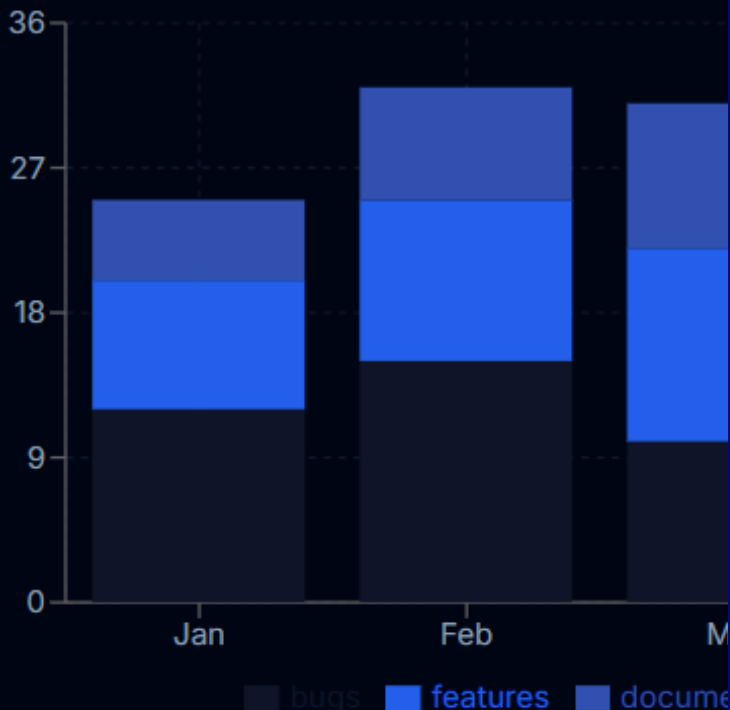
## Notifications Dashboard

Categorized notifications overview



## Completed Work Overview

Tasks completed by category



# UI IN LIGHT MODE

PP Process Planning

Search...

ain

Dashboard

Team Chat

Analytics

Calendar

Team

Projects

Website Redesign

Mobile App Development

Marketing Campaign

Settings

Dashboard

Monitor your team's performance and manage workflows efficiently.

New Project

Overview

Performance

Workload

Projects

Pending Work Tracker

Tasks categorized by priority level

24

18

12

6

0

High

Medium

Low

Tasks

Notifications Dashboard

Categorized notifications overview

Mentions

Meetings

Deadlines

Updates

Completed Work Overview

Tasks completed by category

36

27

18

9

0

Jan

Feb

Mar

bugs

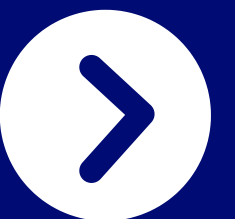
features

documents

# Interactive chat system

The chat interface includes:

- **Private and Group Messaging:** Separate tabs for private and group conversations with unread message indicators
- **Meeting Scheduling:** Calendar integration in the sidebar for scheduling and viewing upcoming meetings
- **Tagged Notifications:** Messages with mentions are highlighted with a border to alert users when they're mentioned in a conversation
- **Message Prioritization:** Urgent messages are marked with a red badge, allowing users to quickly identify important communications
- **Smart Search:** Search functionality in the chat sidebar to quickly locate past conversations and key information experience by conducting extensive research and testing.





# Team Chat

Communicate with your team, schedule meetings, and manage tasks.

## Conversations



Search conversations...

Private

Groups



Alice Johnson

10:30 AM

Can you review the latest design?

2



Bob Smith

Yesterday

I've updated the project timeline



Carol Williams

Yesterday

Meeting scheduled for tomorrow



Alice Johnson



Alice Johnson 10:30 AM

Hi there! How's the project coming along?

You 10:32 AM



It's going well! I've completed the initial designs.



Alice Johnson 10:33 AM

Great! Can you share them with the team?

You 10:35 AM



Sure, I'll upload them to the shared folder and tag everyone.



Alice Johnson 10:36 AM

Perfect! @John can you review them by EOD?

Type your message...



Calendar

Notifications

## Schedule



April 2025



Su	Mo	Tu	We	Th	Fr	Sa
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3

## Upcoming Meetings

### Design Review

📅 Today

🕒 2:00 PM - 3:00 PM

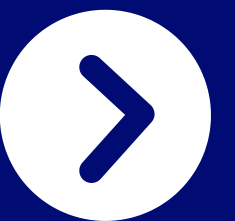
📍 Conference Room A

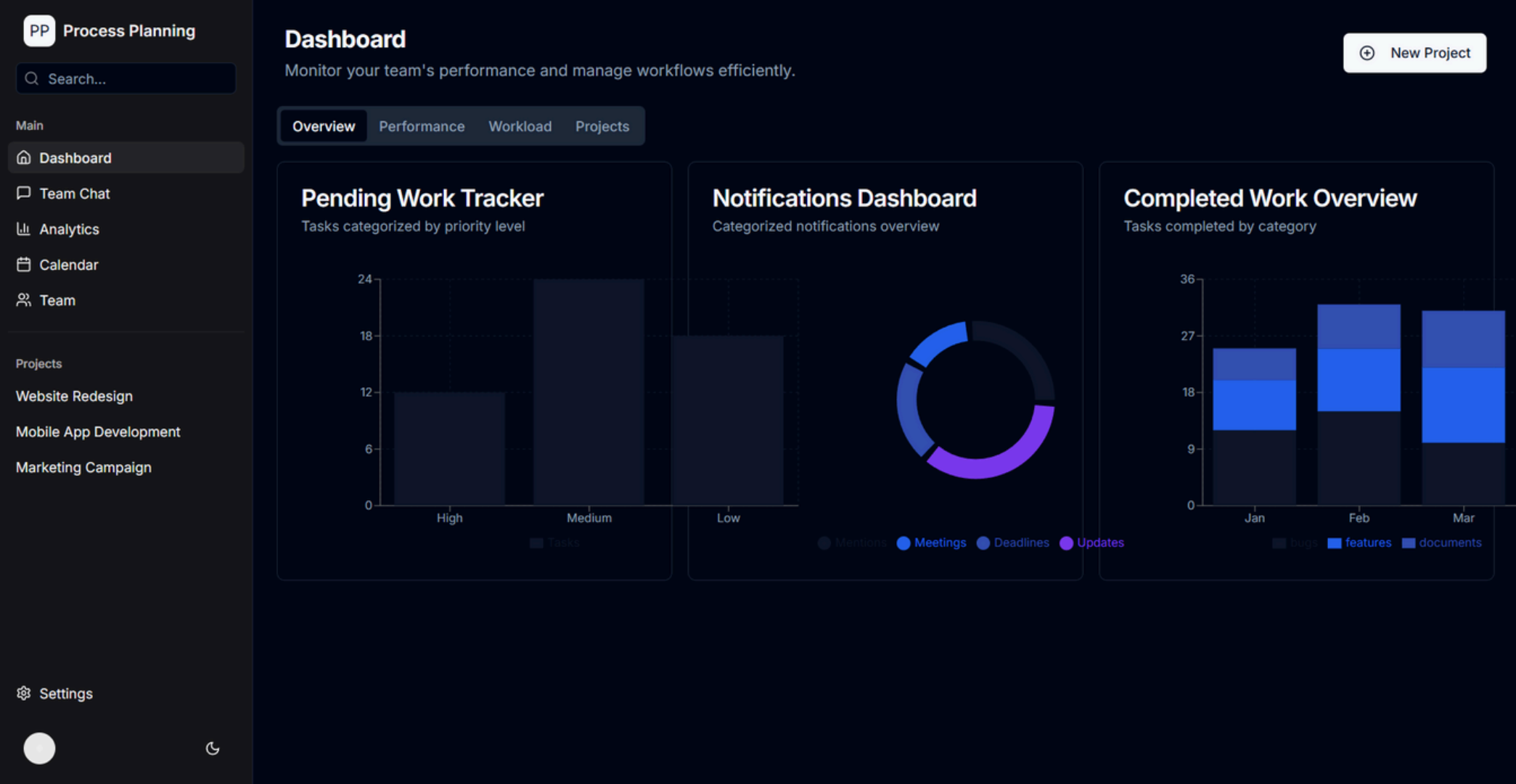
👤

# Statistical Dashboards

The analytics dashboard includes several visualizations:

- **Pending Work Tracker:** A bar chart showing the number of pending tasks categorized by priority (High, Medium, Low)
- **Performance Improvement Analysis:** A line chart tracking individual performance metrics over time, including task completion rate, efficiency, and feedback scores
- **Completed Work Overview:** A stacked bar chart visualizing completed tasks categorized by project or task type (Bugs Fixed, Features Developed, Documents Completed)
- **Notifications Dashboard:** A donut chart categorizing notifications by type (Mentions, Meeting Reminders, Deadlines, Project Updates)
- **Workload Distribution Analysis:** A heatmap visualization showing workload distribution across teams and time periods, helping identify overworked employees
- **Project Success and Failure Analytics:** Comparative bar charts showing success and failure rates of different projects







# Key UI/UX Decisions

## Layout Structure:

- Sidebar navigation for quick access to main sections.
- Tab-based interface for organizing related content.
- Card-based components for clear visual separation.

## Information Hierarchy:

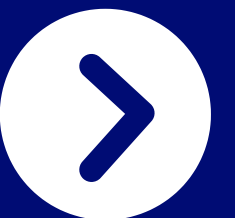
- Important metrics and visualizations are prominently displayed.
- Related information is grouped together.
- Visual cues (colors, badges) highlight priority items.

## Interaction Design:

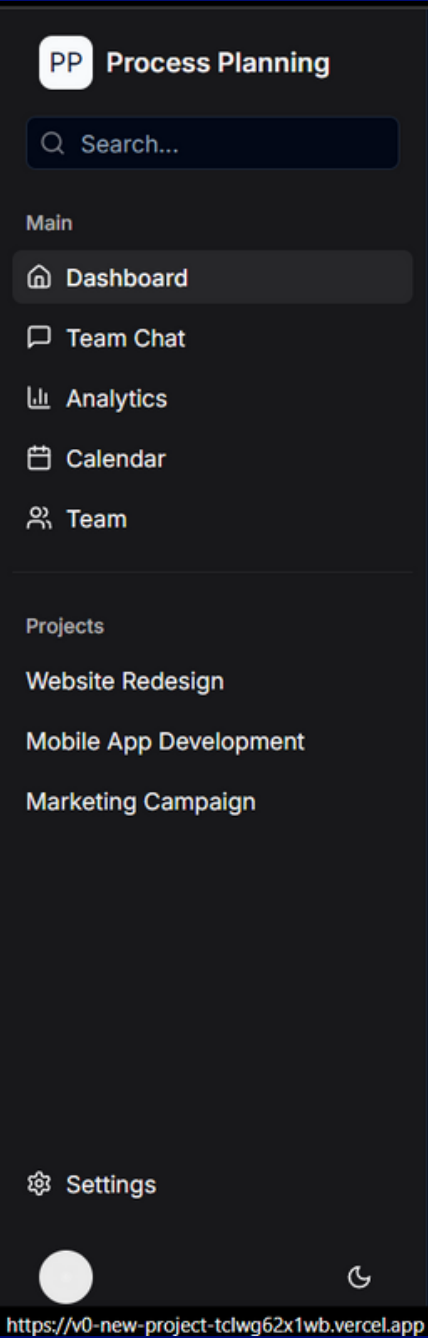
- Intuitive chat interface with familiar messaging patterns.
- Real-time feedback for user actions.
- Contextual information displayed in sidebars.

## Visual Design:

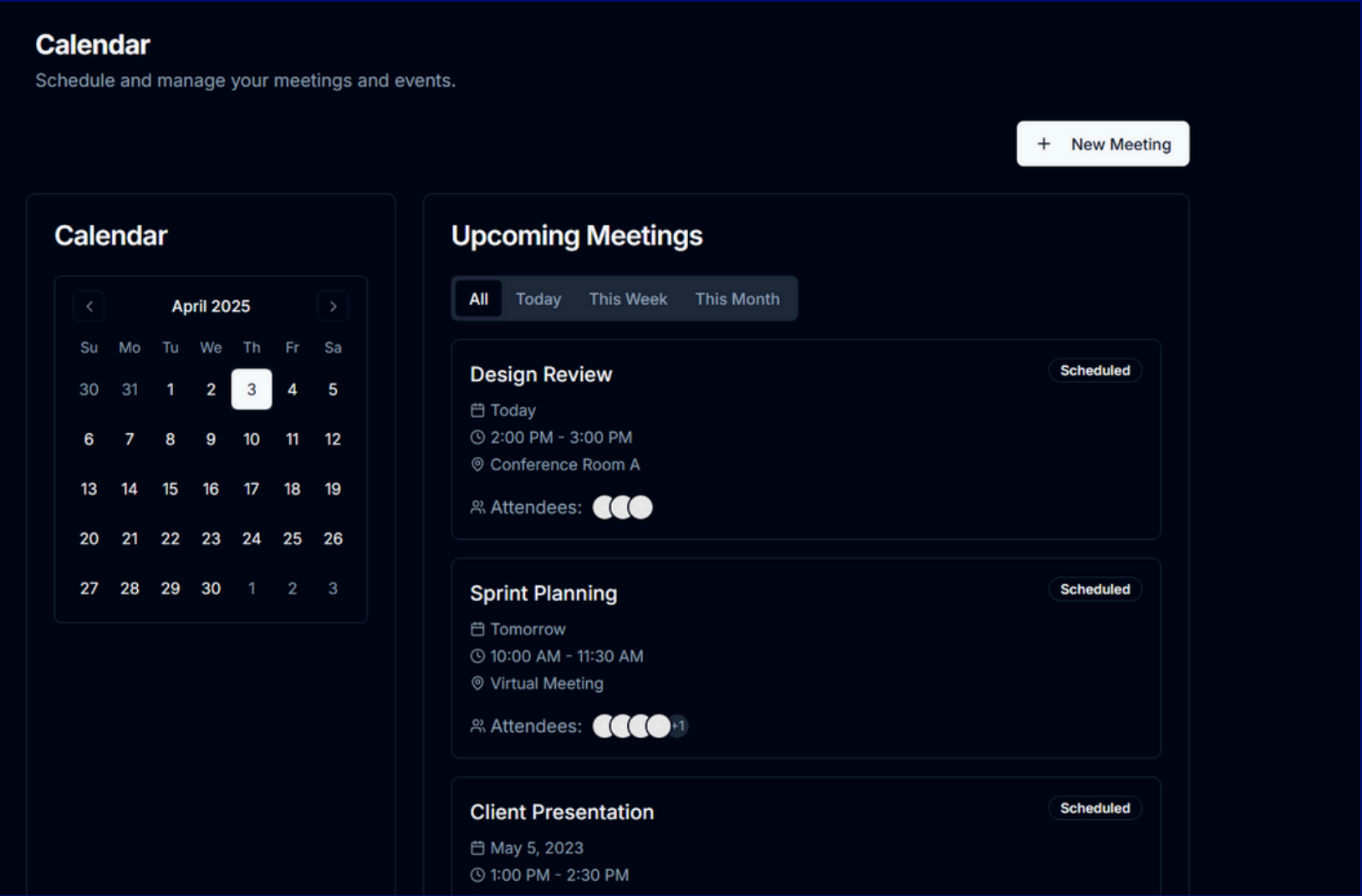
- Clean, minimalist aesthetic with ample white space.
- Consistent color scheme for data visualization.
- Clear typography hierarchy for readability.



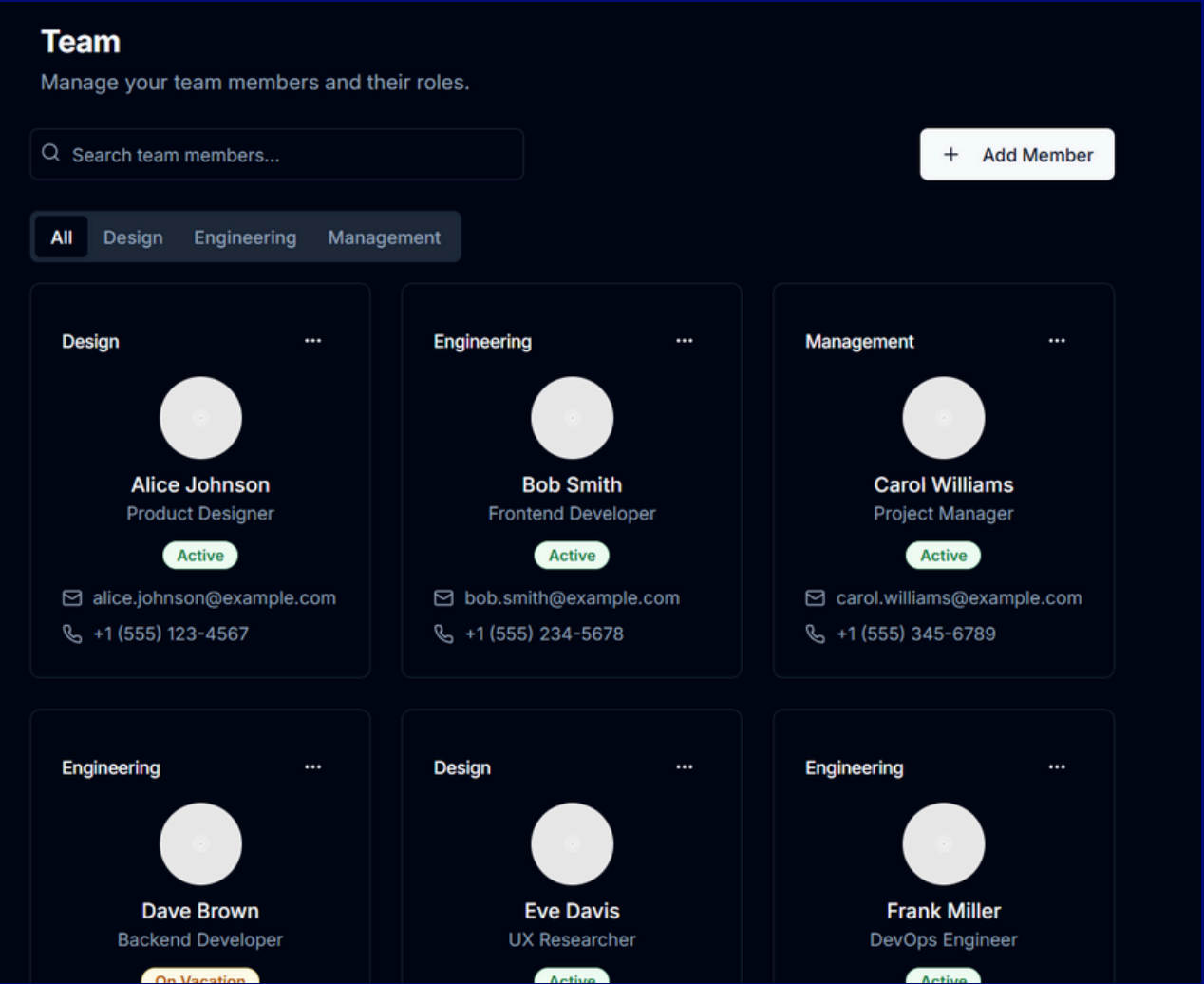
# Sidebar Navigation



## Calendar to schedule meetings



## Team members grouped together for easy view



# Project tracker

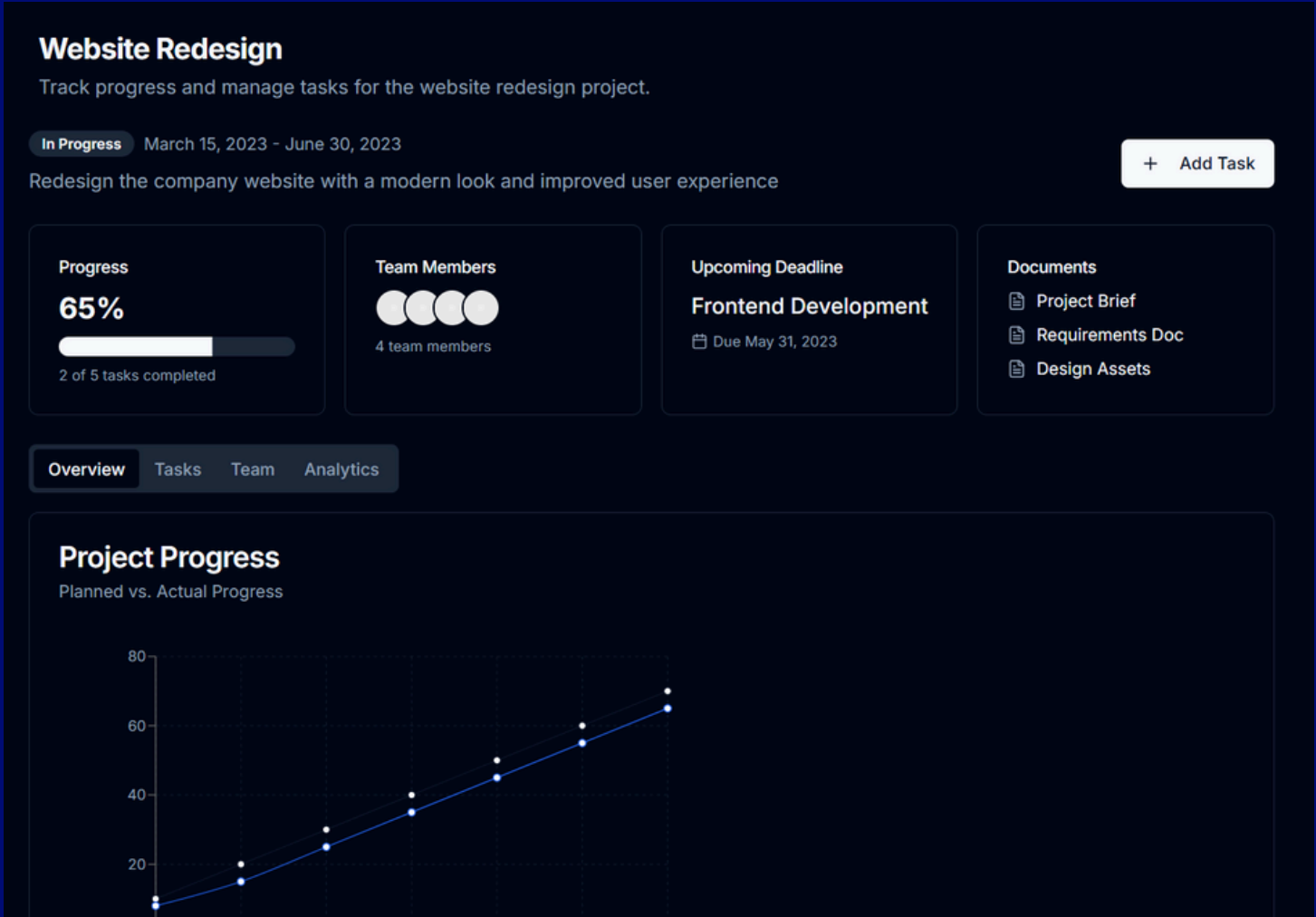
## Projects

Website Redesign

Mobile App Development

Marketing Campaign

## Example Project 1



# Accessibility features

## Theme Support:

- Dark mode toggle for reduced eye strain.
- High contrast color options.

## Screen Reader Support:

- Semantic HTML structure.
- ARIA labels for interactive elements.
- Proper heading hierarchy.

## Keyboard Navigation:

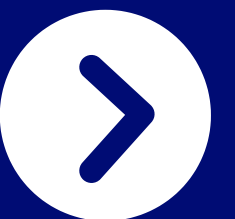
- Tab index for all interactive elements.
- Keyboard shortcuts for common actions.

## Responsive Design:

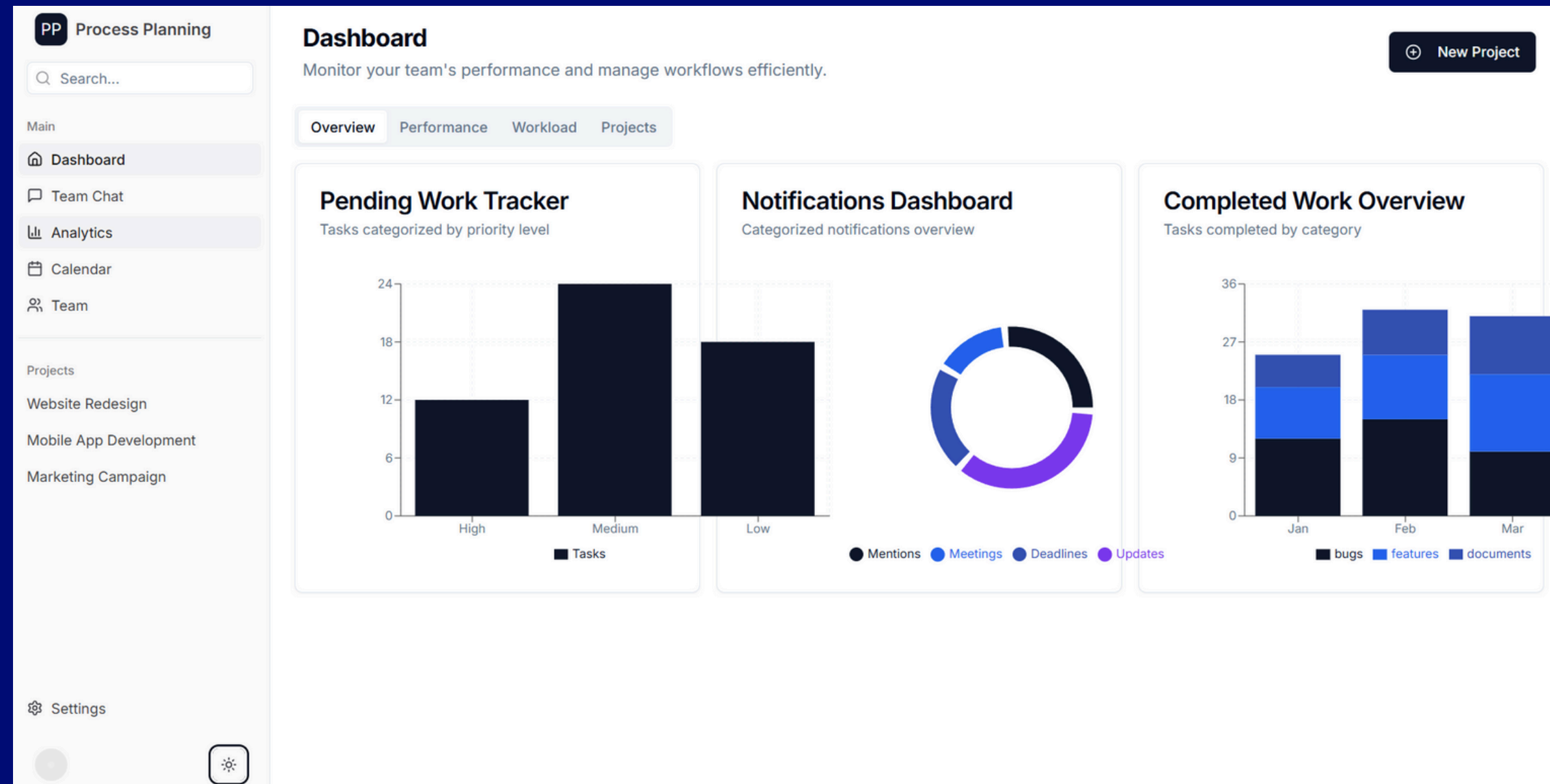
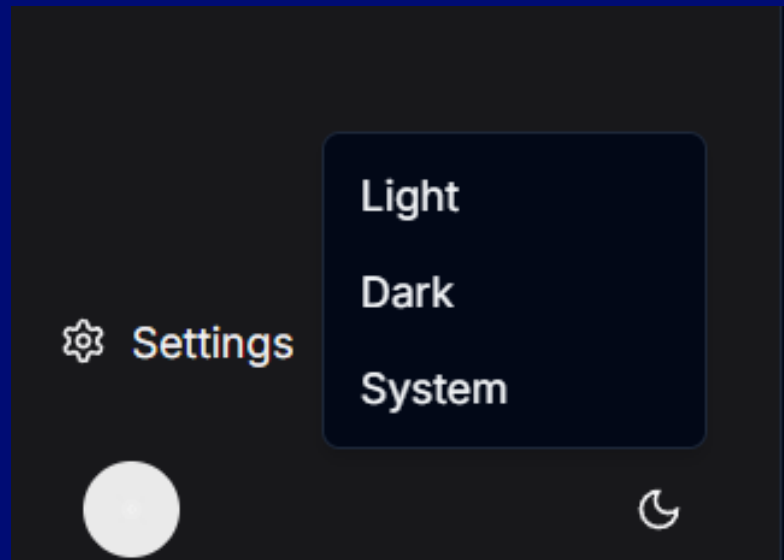
- Adapts to different screen sizes.
- Mobile-friendly interface with collapsible sidebar.

## Font Adjustments:

- Support for system font size preferences.
- Readable typography with appropriate line height and spacing.



# User Interface in Light mode





# Benefits of the design

## **Improved Workflow Management:**

- Centralized communication and task tracking.
- Visual representation of workload and performance.
- Quick access to important information.

## **Enhanced Productivity:**

- Prioritized notifications and messages.
- Efficient meeting scheduling.
- Comprehensive performance analytics.

## **Better Decision Making:**

- Data-driven insights through visualizations.
- Clear project success metrics.
- Workload distribution analysis for resource allocation.

## **Inclusive User Experience:**

- Accessibility features for all users.
- Customizable interface preferences.
- Support for different work styles and needs.

**Prototype link : <https://processplanning.vercel.app/>**

