

SPRING 2025

# BRICKED UP

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## PROJECT OVERVIEW

Our project aims to develop a team management software tailored for software engineering teams. It allows users to create and manage channels, similar to team structures in software development workflows. Each channel is overseen by a team leader with administrative privileges, enabling them to add or remove members, assign roles, and manage tasks within the group.

This software is designed for engineering teams, project managers, and organizations looking to streamline collaboration and project tracking. The system integrates features such as task management, access control, and real-time updates, ensuring efficient workflow and communication among team members. The project follows the PMBOK framework, ensuring that fundamental project management principles are incorporated for structured execution and monitoring.

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# UI DOCUMENTATION FOR PROJECT MANAGEMENT SYSTEM

## Overview

This document outlines the UI design and structure for the Project Management System, ensuring a seamless and user-friendly experience. It covers the layout of components, user interactions, and design system, making it easier for developers to implement and maintain the frontend.

## LOGIN AND SIGNUP

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### General color schema used:

Beige: #F6F6DF → Soft and neutral background for readability.

Verdigris: #6AA0A0 → Accent color to highlight key elements.

Purpureus: #8752A3 → For interactive elements and branding consistency.

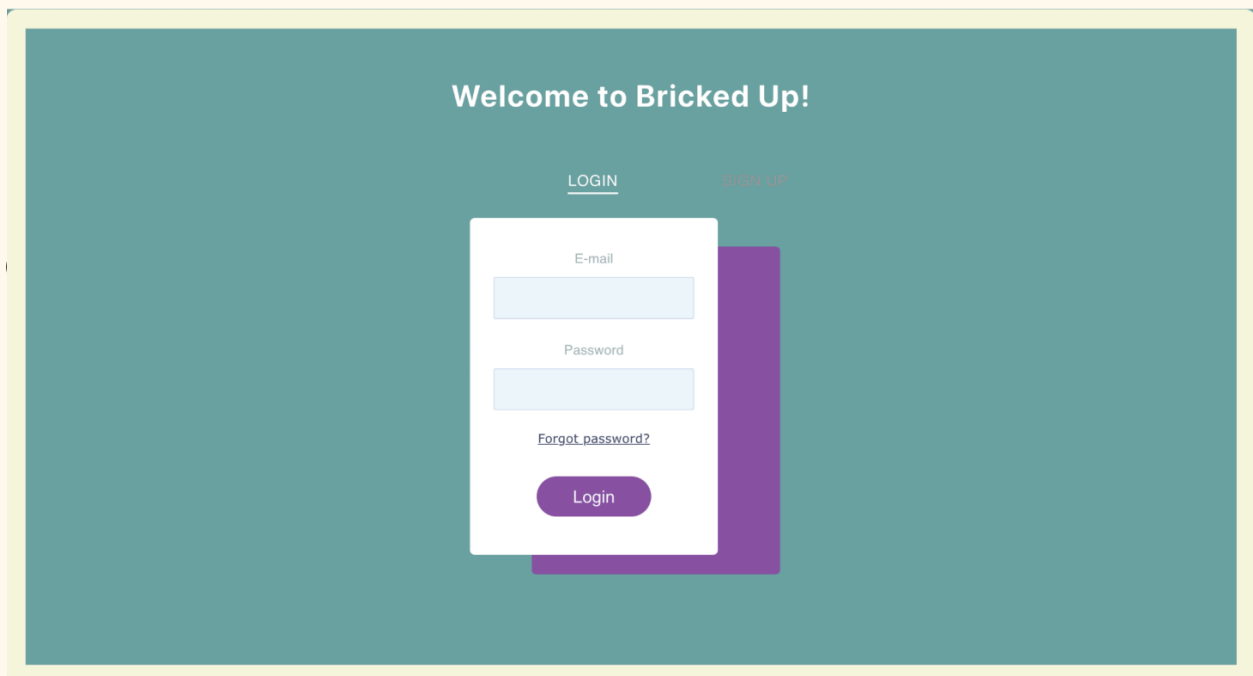


### Fonts used:

Primary: **Verdana** (for readability and professional appearance).

Code-related elements: **Source Code Pro, Menlo, Monaco, Consolas, Courier New** (for technical precision).

### LogIn Page:



## UI Elements & Interactions:

- **Input Fields:** Email & Password.
- **Forgot Password Flow:**
  - If the email field is empty, prompt the user to enter an email.
  - If valid, redirects to a dedicated **Forgot Password Page**.
  - Triggers an **email verification process** with a secure reset link.

## Design Justification:

- **Single-page design** improves efficiency and reduces navigation steps.
- **Validation prompts** improve error handling and user guidance.

## Email Sent for Verification Page:



## Concept & Purpose:

- Confirms that a **verification email** has been successfully sent.
- Guides the user on the next steps to **activate their account or reset their password**.

## UI Elements & Interactions:

- **Message Display:** "Email sent for verification!"
- **Instructions:**
  - Check the inbox for a **verification link**.
  - If the email is not received, check the **spam/junk folder**.
  - Option to **resend the email** after a short cooldown period.

## Design Justification:

- Provides **clear feedback** to the user, ensuring they understand the next step.
- **Minimal distractions** keep the focus on completing the verification process.
- **Resend option** helps in case of email delivery issues.

## Sign Up Page:

Welcome to Bricked Up!

LOGIN SIGN UP

E-mail

Password

Confirm password

Register

## Concept & Purpose:

- Provides a structured registration form with security measures.
- Ensures **password strength validation** before account creation.

## UI Elements & Interactions:

- **Input Fields:** Email, Password, Confirm Password.
- **Password Strength Validation:**
  - At least **8 characters**.
  - Contains **uppercase, lowercase, number, and special character**.
  - Must match the **Confirm Password field**.
- **Error Handling:**
  - Displays error messages if password criteria are not met.
  - Instant feedback if passwords do not match.

## Design Justification:

- **Real-time validation** enhances security and reduces user frustration.
- **Confirm Password field** prevents typos and enhances user confidence.

## Functionality of “Confirm Password”:

Welcome to Bricked Up!

LOGIN SIGN UP

E-mail  
kejsinuredini1@gmail.cor

Password  
.....

Confirm password  
.....

Passwords do not match

Register

## Concept & Purpose:

- Ensures users **re-enter their chosen password** correctly to avoid typos.
- Prevents **accidental mistakes** that could lock users out of their accounts.

## UI Elements & Interactions:

- **Real-time Validation:**
  - If the passwords **match**, a success indicator appears.
  - If they **do not match**, an error message is displayed.
- **Error Handling:**
  - Users are notified immediately if the passwords differ.
  - They cannot proceed until both fields contain the **exact same password**.

## Design Justification:

- Improves **security** by reducing the risk of incorrect password entry.
- Enhances **user experience** by providing instant feedback.
- Encourages **stronger password creation** while minimizing frustration.

## Conclusion

This UI ensures a well-structured, **intuitive, and secure** authentication system. The design choices focus on **efficiency, security, and a user-friendly experience**, making navigation and account management smooth.

# NAVIGATION BAR

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The images provided showcase the navigation bar in both light mode and dark mode. The navbar is a key component of the user interface, ensuring seamless navigation across the platform while maintaining a clean and minimal design.

## Bright mode:



## Dark mode:



## Concept & Purpose:

- Provides a **consistent and accessible** way for users to navigate the application.
- Supports **light and dark mode switching** for user preference and accessibility.

## UI Elements & Interactions:

- **Logo & Branding:**
  - Positioned on the left for easy recognition.
  - Maintains consistency in both light and dark modes.
- **Navigation Buttons:**
  - "Log In" and "Home" buttons provide quick access to essential pages.
  - Buttons adjust colors dynamically between themes for contrast and readability.
- **Theme Toggle:**
  - Switches between **bright mode (light background)** and **dark mode (dark background)**.
  - Uses an intuitive sun/moon icon to indicate the current mode.

## Design Justification:

- **Improves readability** by adapting to different lighting conditions.
- **Enhances accessibility** with clear color contrasts in both modes.



- **User-friendly toggle** ensures seamless switching between themes.

Color Components Used:

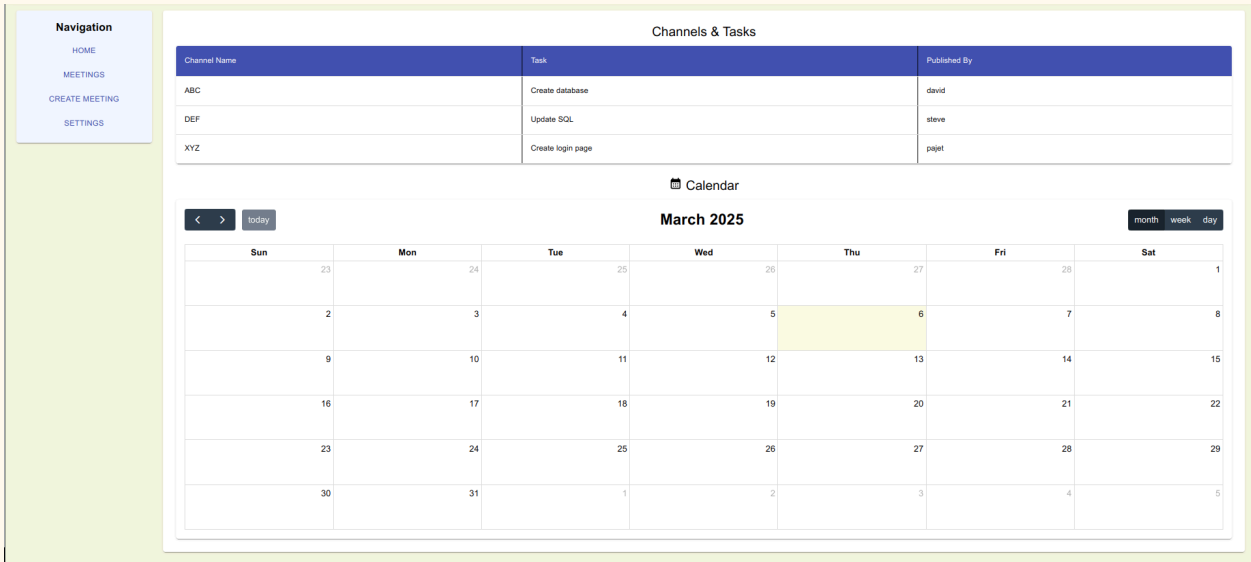
Theme	Element	Color Name	Hex Code
Light Mode	Background	Beige	#F6F6DF
	Buttons & Icons	Verdigris	#6AA0A0
	Text (Company Name)	Black	#000000
	Theme Toggle (BG)	Light Gray	#E0E0D1
	Sun Icon	Amber	#FFC107
Dark Mode	Background	Gray	#808080
	Buttons & Icons	Light Blue	#87CEFA
	Text (Company Name)	Beige	#F5F5DC
	Theme Toggle (BG)	Dark Gray	#202020
	Moon Icon	Gold	#FFD700

Conclusion

The navigation bar is a crucial component of the user interface, ensuring a seamless and intuitive browsing experience. By incorporating a **responsive design**, **accessible navigation buttons**, and a **theme toggle**, it enhances usability and personalization. The **bright and dark mode options** provide better readability in different lighting conditions, catering to user preferences. With a clean and consistent layout, this navigation bar contributes to an efficient and visually appealing user experience.

# DASH BOARD

## Dash Board with interactive calendar:



### Concept & Purpose:

The interface serves as the main dashboard for managing projects, tasks, and meetings. It integrates a task management table and a calendar to provide an overview of upcoming events and assigned duties. The primary goal is to ensure an organized workflow for team collaboration and meeting scheduling.

### UI Elements & Interactions:

#### Navigation Panel (Left Sidebar)

- **Sections:**
  - **HOME:** Redirects users to the main dashboard.
  - **MEETINGS:** Displays scheduled meetings.
  - **CREATE MEETING:** Allows users to schedule new meetings.
  - **SETTINGS:** Provides customization and user preferences.
- **Behavior:**
  - The navigation links are static for all users but can be expanded in the future to be dynamic based on user roles and permissions.
- **Design Justification:**
  - Simple and minimalistic for easy access.
  - Consistent layout to ensure user familiarity.

- Soft background for readability.

## Channels & Tasks Table

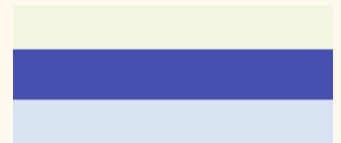
- **Columns:**
  - **Channel Name:** Represents the project or team.
  - **Task:** Displays assigned work for each channel.
  - **Published By:** Shows who assigned the task.
- **Interactions:**
  - Users can view assigned tasks and who published them.
  - Possible future enhancement: Clickable rows for task details.
- **Design Justification:**
  - Clear table layout enhances task visibility.
  - Contrast between table header and content improves readability.

## Calendar Section

- **Features:**
  - Displays a full month view by default.
  - Navigation buttons to move between months.
  - View toggles: **Month, Week, Day.**
- **Interactions:**
  - Users can switch views to check specific dates.
  - Future enhancement: Clicking a date to add events.
- **Design Justification:**
  - Familiar calendar layout ensures usability.
  - Soft background reduces strain on the eyes.

## General Color Schema Used:

- **Beige (#F6F6DF)** → Soft and neutral background for readability.
- **Dark Blue (#3F51B5)** → Used for table headers to create contrast.
- **Light Blue (#D9E2F3)** → Highlighting selected elements.



## Fonts Used:

- **Primary:** Arial (for readability and professional appearance).
- **Tables & Code Elements:** Source Code Pro, Menlo, Monaco (for technical clarity).

## Conclusion:

This interface was designed with clarity and efficiency in mind, ensuring users can easily manage tasks and meetings. The colors used are not final and will be modified later to enhance the UI aesthetics. Future improvements may include more interactive elements for better user experience. The design follows Swiss web design principles, similar to Apple's approach, ensuring simplicity, readability, and a structured layout.

## FINAL CONCLUSION

The UI design for our Project Management System adheres to modern web design principles, emphasizing clarity, efficiency, and an intuitive user experience. We have carefully structured the interface to ensure seamless navigation, accessibility, and responsiveness, making task and project management effortless for engineering teams and project managers.

Our approach follows the **Swiss web design philosophy**, known for its **clean layouts, grid-based structure, minimalist aesthetics, and high usability**, a principle reflected in websites like **Apple.com**. The design choices prioritize content hierarchy, ample whitespace, and a well-balanced color scheme to enhance readability and user engagement.

By incorporating these principles, the system ensures **aesthetic simplicity without compromising functionality**, delivering a user interface that is not only visually appealing but also enhances productivity and collaboration within teams. Future enhancements will continue to refine the experience, focusing on adaptability, interaction improvements, and further personalization.