Design Doc for Notes App2.0

Name:

Fan Zhou & Tianjing(Jill) Liu

Description

The Notes App is a productivity tool designed to help users keep track of their to-do lists and daily tasks in an organized and efficient manner. This application aims to improve productivity by enabling users to create, manage, and search for their notes seamlessly.

Optimization Plan for Final Project

Our Final Project Optimization Plan focuses on refining the user experience of our Notes App, ensuring both accessibility and usability are at the forefront. The following key enhancements will be implemented:

1. Sign up/Sign in Page: Semantic Order: Ensure all components adhere to semantic order, promoting a more intuitive and user-friendly experience.
   Accessibility and Keyboard Navigation
2. Guarantee full accessibility for screen readers and comprehensive keyboard navigation, aiming for a 100% accessibility score to make the application inclusive for all users.
3. Nav-Bar Redesign: Revamp the navigation bar by redesigning nav-items and removing redundant pages, streamlining navigation for a more efficient user journey.
4. Reverse Sorting of Saved Notes: Optimize user experience by sorting saved notes in reverse order, displaying the most recent notes at the forefront for quick access.
5. Editing Area Placement: Reposition the editing area to precede saved notes, ensuring a more logical flow in the user interface.
6. Call-to-Action Button Layout: Adjust the layout of call-to-action buttons to adhere to the proximity principle, enhancing user interaction and visual hierarchy.
7. Text Prompts for User Guidance: Integrate text prompts to guide users on where to start, facilitating a more seamless onboarding process.
8. Placeholders for Improved Usability: Implement placeholders strategically to enhance usability, providing users with visual cues and simplifying the interaction process.
9. Grouping and Alignment Principles: Group related text elements and align them following proximity and alignment principles, contributing to a cleaner and more organized interface.

10. Typography Update: Refine typography for a more cohesive and aesthetically pleasing design, ensuring readability and consistency across the application.
11. Color Palette Implementation: Implement a thoughtfully chosen color palette to enhance visual appeal, readability, and overall user experience.
12. Header Icon Addition: Add a distinctive header icon for brand recognition and improved visual aesthetics.
13. Data Caching with Redis: Implement Redis to efficiently cache data, reducing the load on the MongoDB database and improving overall application performance.
Authentication with Passport
14. Confirm the authentication using Passport, ensuring secure access to user accounts with the established authentication system.

This comprehensive Optimization Plan aims to elevate the Notes App by focusing on accessibility, usability, and visual design. These enhancements will collectively contribute to a more engaging and user-friendly experience for our audience.

User Personas & Stories

User Persona 1: Busy Student Phil
As Phil, I want to easily create new notes to keep track of my assignments and deadlines.
As Phil, I want to edit and save text on my existing notes as my tasks progress.
As Phil, I want to delete unwanted notes to declutter my list.
As Phil, I want to quickly search for specific notes to find the information I need.

User Persona 2: Store Manager Chris
As Chris, I want to use the app to manage my daily tasks and to-do lists at work.
As Chris, I want to be able to keep track of important notes and easily add new ones.
As Chris, I want the ability to edit and update notes as the situation changes.
As Chris, I want to search for notes related to specific products or tasks in the store.

User Persona 3: Visually Impaired Individual Alex
As Alex, I want to navigate and use the Notes App effortlessly using screen_reader.
As Alex, I want the app to provide detailed and accurate verbal descriptions of each interface media content, allowing me to understand the layout and functionality intuitively.
As Alex, I want the ability to easily sign up and sign in using accessible features, such as keyboard navigation.

Design Mockups

nav_item

text

sign up/sign in form

nav_item

text

text

CTA Button