

HCI Project Report

Spotify Application Redesign

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Project Overview

This project presents a redesign of selected user interface components of the Spotify application based on Human-Computer Interaction (HCI) principles. The objective is to enhance usability, visual hierarchy, accessibility, and overall user experience while maintaining Spotify's original functionality and design identity.

Login Page Redesign

The original login page suffered from an overpowering primary button, excessive login options with equal priority, weak visual separation, lack of input guidance, and absence of real-time feedback. The redesign introduces a clear primary login path using email and password, improved visual hierarchy, informative placeholder text, validation messages, and a clearly visible sign-up call-to-action to guide users effectively.

Profile Menu Redesign

The previous profile menu lacked strong visual hierarchy and clear navigation cues. The redesigned interface centers the profile image as the main focal point, groups accounts under a dedicated section, adopts icon-based navigation to reduce cognitive load, and highlights primary actions such as messaging. Improved background contrast enhances readability and overall visual clarity.

Music Player Page Redesign

Usability issues in the music player included small control buttons, limited interaction with the progress bar, English-only song titles, and redundant icons. These issues were addressed by enlarging controls, expanding the music progress bar, displaying bilingual song titles, and removing unnecessary elements to achieve a cleaner interface.

Bottom Navigation Bar Redesign

The original navigation bar used a pure black background that caused eye strain and reduced icon visibility. The redesigned version applies dark gray tones, improves contrast, highlights the active navigation state, and visually separates the navigation bar as an independent component, ensuring consistency with the overall UI design.

Conclusion

The Spotify redesign successfully applies HCI principles to improve clarity, usability, and visual comfort while preserving the application's core functionality. The result is a more intuitive, efficient, and user-centered experience suitable for modern digital interaction standards.