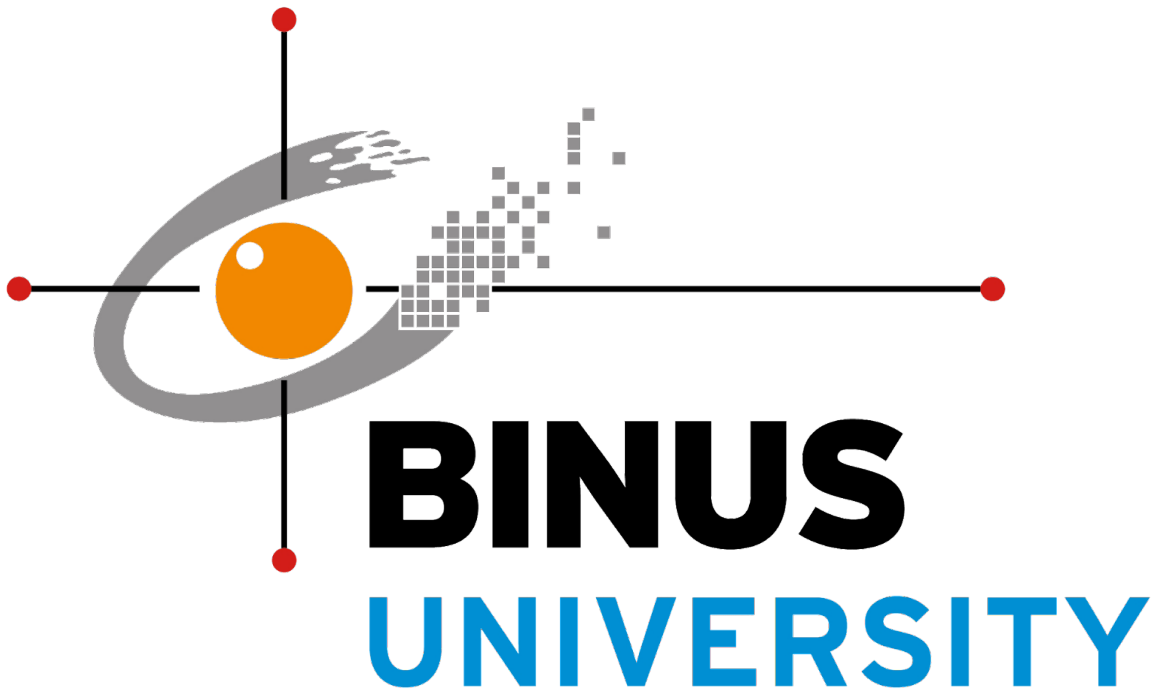


Human Computer Interaction
Soundify
The Written Report



Made By:

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CHAPTER 1

Our group has meticulously developed a sophisticated web application designed to revolutionize the music exploration experience. The first HTML document introduces users to an aesthetically pleasing login page, featuring vibrant colors and centered elements. With carefully curated styles and seamless navigation, users can effortlessly access login and sign-up forms, marking the beginning of their personalized musical journey. The second HTML document, aptly titled "Your Picks," captures the essence of individualized music curation. Circular buttons and artist images provide an engaging visual experience, allowing users to explore and discover their favorite musical selections with ease. The attention to detail in design and functionality showcases our team's commitment to creating an immersive and user-friendly platform for music enthusiasts.

In the genre HTML document, our group extends the experience to genre-based exploration. A horizontal scroll menu adorned with captivating artist images defines the page, offering users an opportunity to dive into the alternative music scene. This deliberate curation of genre-specific visuals reflects our dedication to providing a diverse and enjoyable music exploration experience. Finally, the artis info HTML document unveils detailed artist information, complete with audio playback functionality. Users can not only access captivating visuals but also enjoy snippets of selected tracks, elevating the platform into a dynamic space for both discovery and sonic enjoyment. Together, these HTML documents represent our team's collaborative efforts in crafting a comprehensive and innovative music platform that caters to a broad spectrum of music enthusiasts.

How the music play

This webpage features two Green Day songs ("When I Come Around" and "Prosthetic Head") with interactive play and pause functionality. Each song is represented by an audio container that includes a circle image, play and pause buttons, and an audio player hidden initially. When a user clicks on a song's container, it toggles the visibility of the circle image and square behind it, triggers a spinning animation, and enlarges the container. Clicking the play button starts the corresponding audio playback, and the pause button halts it. The script ensures only one song plays at a time, pausing any other playing containers. Additionally, the webpage includes "Sign Out" and "Home Page" buttons, with the former redirecting to a login page and the latter triggering a simple alert. In summary, the webpage provides a user-friendly interface for playing Green Day songs with visual effects and intuitive controls.

How we implanted the 8 golden rules

The provided code adheres to several of the "8 Golden Rules" of user interface design. It maintains consistency through uniform styling, fonts, and layouts across pages, contributing to a cohesive visual experience. While explicit keyboard shortcuts are not included, the design relies on familiar navigation elements and button styles, potentially facilitating ease of use for frequent users. Informative feedback is incorporated through visual

cues like spinning animations on the play button, indicating audio playback. The design allows easy reversal of actions, enabling users to pause or stop playback effortlessly. The interface supports an internal locus of control, providing users with clearly labeled play and pause buttons, empowering them to manage their music experience. Overall, the code strives to reduce short-term memory load by employing consistent labels and visual elements, enhancing the user's understanding of the interface and interactions.

CHAPTER 2

Problem analysis

As our group developed our music platform, we identified potential challenges in user accessibility and loading times within the login page (HTML document one). Optimizing color contrast and text size is essential for inclusivity, and we need to streamline the integration of external CSS and JavaScript files for improved performance. In the second HTML document, focusing on user engagement with favorite music picks, we'll prioritize usability testing to ensure intuitive navigation, especially for users with varying technological literacy.

The third HTML document, centered around the alternative music genre, poses challenges in maintaining a responsive design, particularly with the horizontal scroll menu. Addressing compatibility across devices and screen sizes is crucial. Finally, the fourth HTML document, with detailed artist information and audio playback, requires optimization of audio files for smooth playback and seamless play/pause functionality across different browsers. Our commitment involves iteratively addressing these challenges through testing and user feedback, ensuring our music platform delivers an exceptional and inclusive experience.

CHAPTER 3

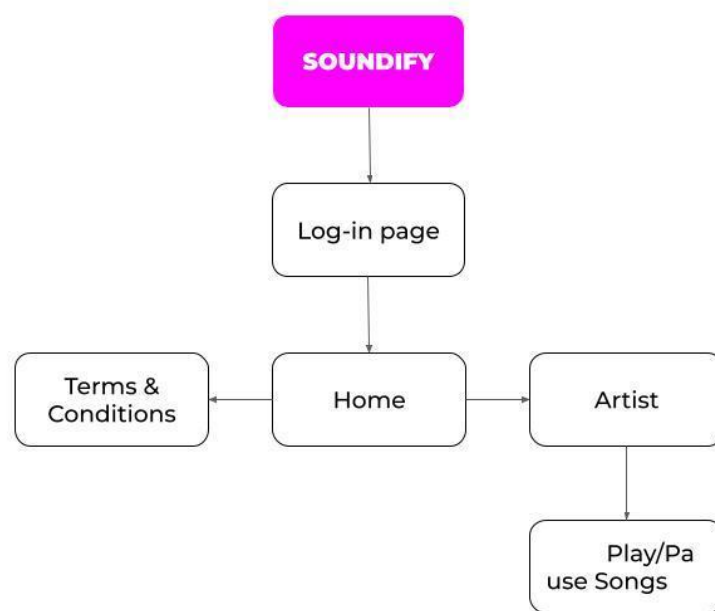
Persona (target audience)

Our team created a music platform that aims to serve a wide range of music lovers, with a focus on those between the ages of 18 and 25. Our objective is to incorporate elements that are easy to use and intuitive, catering to consumers with different degrees of technology literacy. Our platform prioritizes inclusivity by utilizing optimal color contrast and word size, making it accessible to a wide range of users, including those with varying visual demands. The platform is friendly and entertaining for anyone looking for a personalized and immersive music discovery trip because of the focus on usability testing, which guarantees a smooth experience for users discovering favorite music selections.

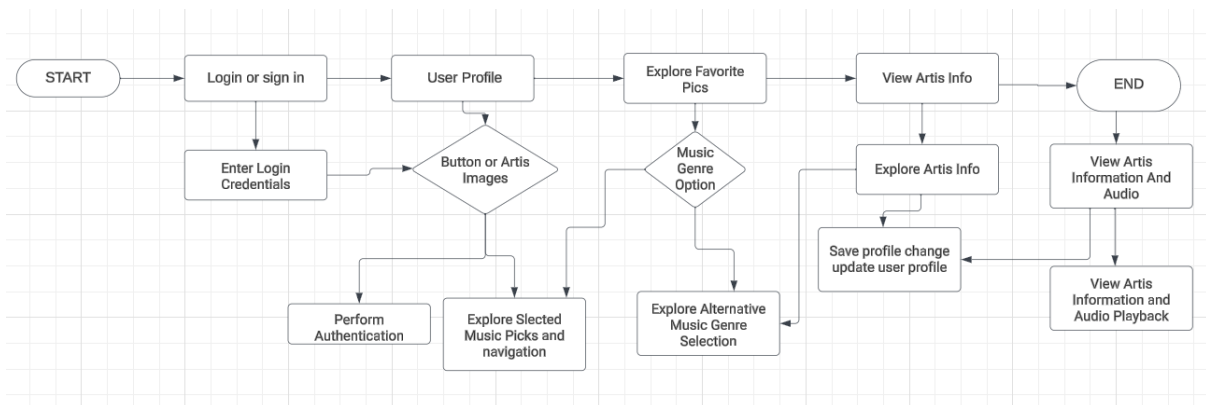
CHAPTER 4

Information Architecture

Simple Structure



Task Flow

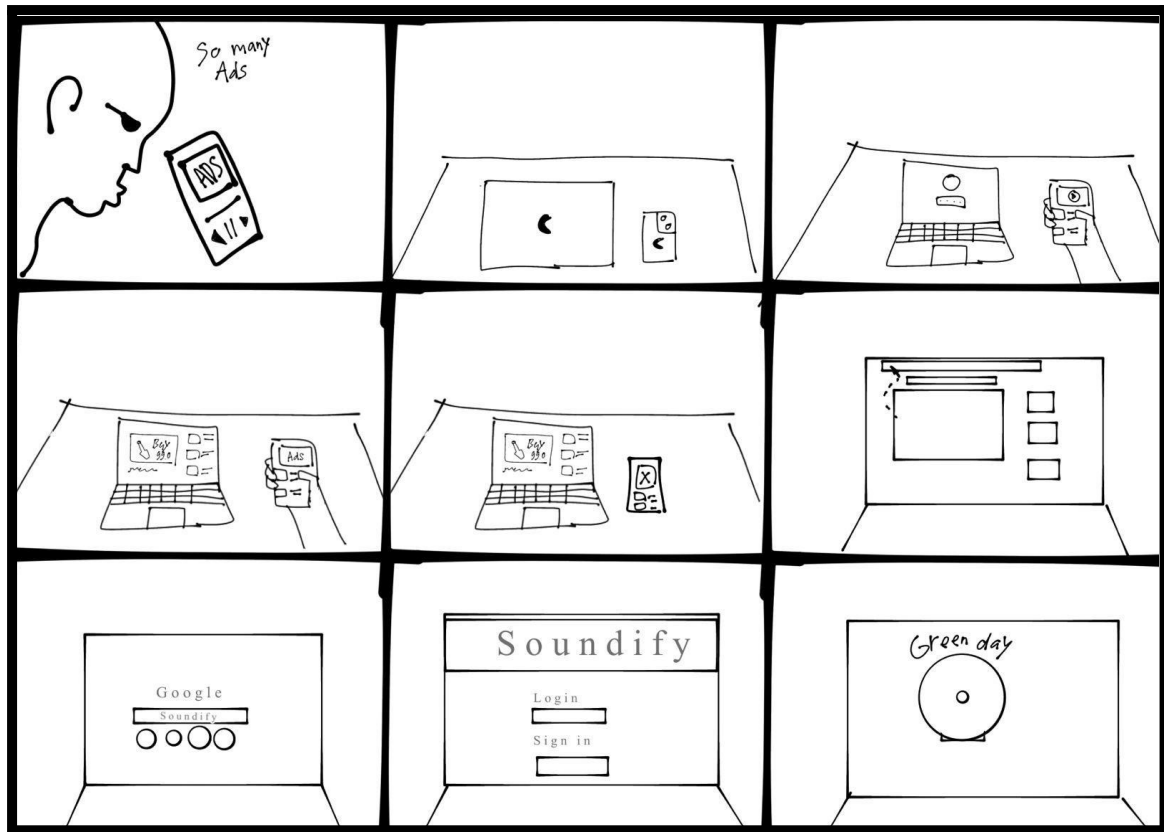


UseCase



CHAPTER 5

Storyboard



We had 3 mock up :

1. You can only listen to the audio

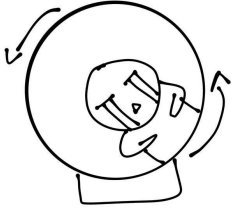


2. There's a picture in the on top of the audio



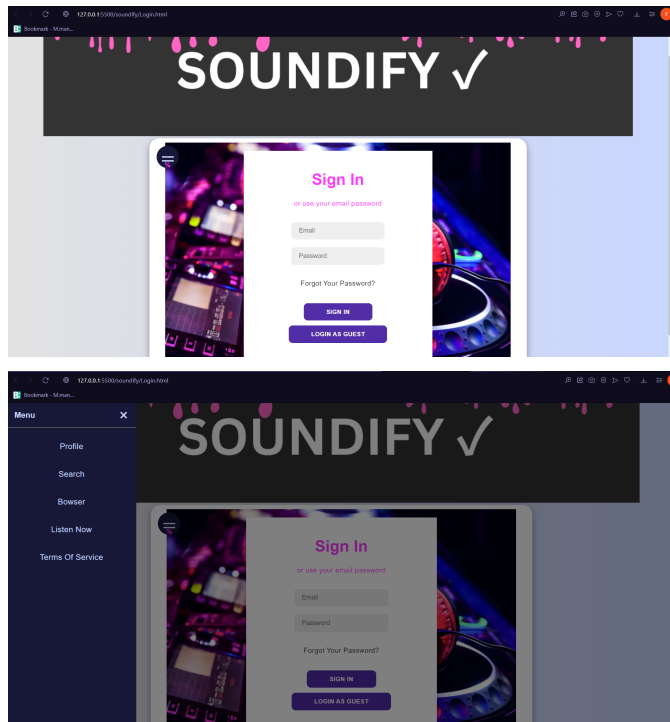
3. We change the picture into a spinning animation so it looks like vinyl or a dvd being played
you can click play then the picture will pop up but also you can pause it by clicking the picture again

Soundify



CHAPTER 6

Screenshot of the prototype



The github link:

<http://github.com/acetide/soundify-final>

CHAPTER 7

Plan of usability testing

Certainly, let's adapt the usability testing plan for the specific case of the 4 HTML documents provided earlier in this chat. The focus will be on evaluating the usability of the Soundify application.

Usability Testing Plan for Soundify Application:

Objectives:

1. Assess the overall user experience and ease of navigation within the Soundify application.
2. Identify any usability issues, such as confusing interface elements or unclear instructions.
3. Evaluate the effectiveness of user authentication and profile management features.
4. Test the exploration of music genres and artist information.

Target Users:

- Individuals aged 18-25 who have an interest in music and digital platforms.
- Users with varying levels of technical proficiency.

Test Scenarios:

1. Login and Profile Management:
 - Scenario: A user needs to log in, edit their profile information, and save changes.
2. Explore Music Genres:
 - Scenario: A user wants to explore alternative music genres, select one, and view artist information.
3. Audio Playback:
 - Scenario: A user attempts to play audio tracks from a selected artist and control the playback.

The usability of this website is pretty good. It has clear text that allows the user to navigate through the website easily and since the site has an assortment of artists that people are a fan of, this app is pretty reliable.

Reference

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C. (2023, May 24). *Create Music Player With Playlist using HTML, CSS and JavaScript*. Medium. <https://medium.com/@cwrworksite/create-music-player-with-playlist-using-html-css-and-javascript-10c8d7cef1c6>

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How To Create a Horizontal Scrolling Menu. (n.d.). https://www.w3schools.com/howto/howto_css_menu_horizontal_scroll.asp

Appendix

Appendix A: jQuery Introduction (how to use jquery inside a html)

Source: [W3Schools - jQuery

Introduction](https://www.w3schools.com/jquery/jquery_intro.asp)

Date: Not specified

Appendix B: Image Rotate Animations using CSS Keyframes (make the circle image rotate)

Author: C. S.

Source: [YouTube - Image Rotate

Animations](<https://www.youtube.com/watch?v=gNz-TZluNwo>)

Date: January 24, 2020

Appendix C: CSS Animations (make the animation inside the html such as the rotation)

Source: [W3Schools - CSS

Animations](https://www.w3schools.com/css/css3_animations.asp)

Date: Not specified

Appendix D: HTML Audio (how to add/input an audio inside the html)

Source: [W3Schools - HTML Audio](https://www.w3schools.com/html/html5_audio.asp)

Date: Not specified

Appendix E: Create Music Player With Playlist

Author: C.

Source: [Medium - Create Music Player]

(<https://medium.com/@cwrworksite/create-music-player-with-playlist-using-html-css-and-javascript-10c8d7cef1c6>)

Date: May 24, 2023

Appendix F: Adding Home button in html page

Source: [Stack Overflow - Adding Home

button](<https://stackoverflow.com/questions/47299189/adding-home-button-in-html-page>)

Date: Not specified

Appendix G: HTML button hidden

Source: [DoFactory - HTML button hidden](<https://www.dofactory.com/html/button/hidden>)

Date: Not specified

Appendix H: How To Create a Horizontal Scrolling Menu

Source: W3Schools - Horizontal Scrolling Menu

Date: Not specified

Arin's Contribution:

I played a central role in the entire project's development, guiding it from the initial proposal to the completion of the final report. My involvement spanned comprehensive planning, including the creation of project outlines and strategic decision-making regarding content. I took the lead in task delegation, ensuring a well-organized workflow. Notably, I personally designed the login page and implemented essential features such as the home page button and the "about" section, seamlessly integrating HTML, CSS, and jQuery for a cohesive and visually appealing design. Additionally, I played a role in incorporating jQuery functionalities across the project, introducing interactive elements like buttons, a scrollable menu, and an engaging audio player. My commitment to both conceptual and technical aspects contributed significantly to the project's success and the creation of a user-friendly end product.

In points

- Planning each task
- Proposal paper and final report (including the drawing)
- Login page (html, css, jquery)
- About page (html, css, jquery)
- Home button
- Menu, scrolltext, Green-day page (jquery)

Chris's Contribution:

I also played a central role in the project's development. Actually, I made the baseline for every single part of the web app except the login page by implementing HTML . I came up with the idea of making this Soundify project and although i focused more on HTML than CSS, this is the extensive list of what i made

<https://659583eaa3598914b3bfbfea--friendly-zabaione-35fba7.netlify.app/>

In points

- Home menu (html)
- Green-day Page (html)
- Terms of Service (html)
- Final Report
- Connecting all the pages together
- Video
- Putting the website online

Also here's the live link:

<https://659583eaa3598914b3bfbfea--friendly-zabaione-35fba7.netlify.app/>