NOANODZ

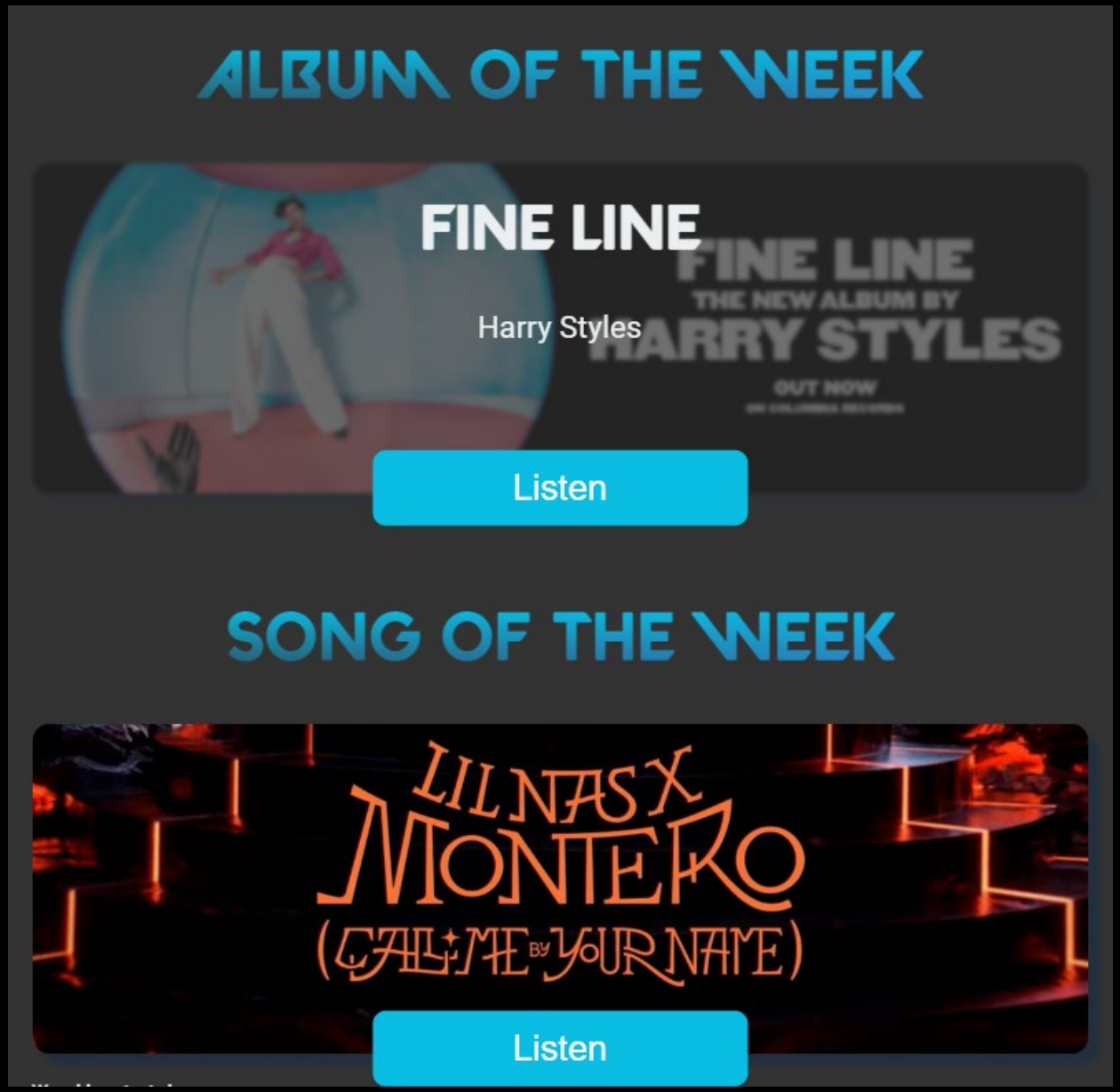
By: Toronto Keyboard Maple Leaf Warriors

Project Goal

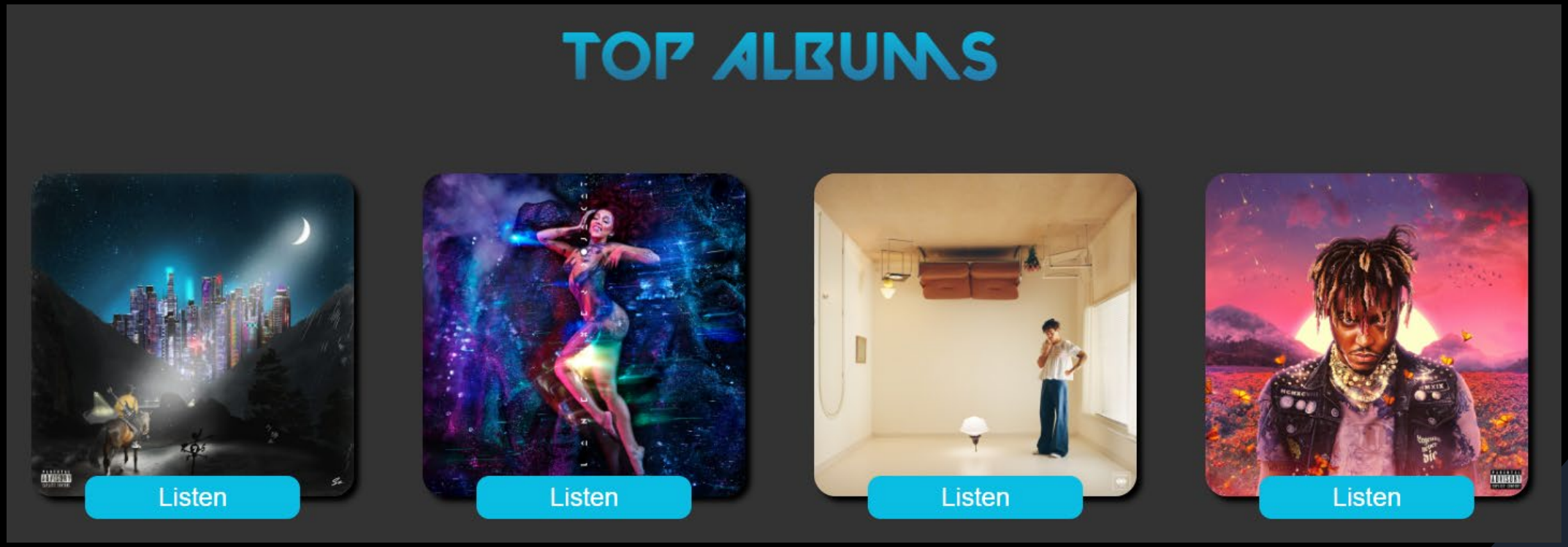
- Easy Music Sharing
- Central Music Hub for all websites
- Used in conjunction with your favorite streaming service

Menu Bar

Home Page

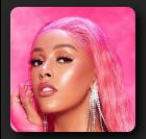

ALBUM OF THE WEEK
FINE LINE
Harry Styles
FINE LINE
THE NEW ALBUM BY
HARRY STYLES
OUT NOW
Listen
SONG OF THE WEEK
LIL NAS X
MONTERO
(CALL ME BY YOUR NAME)
Listen

Album/Song Page

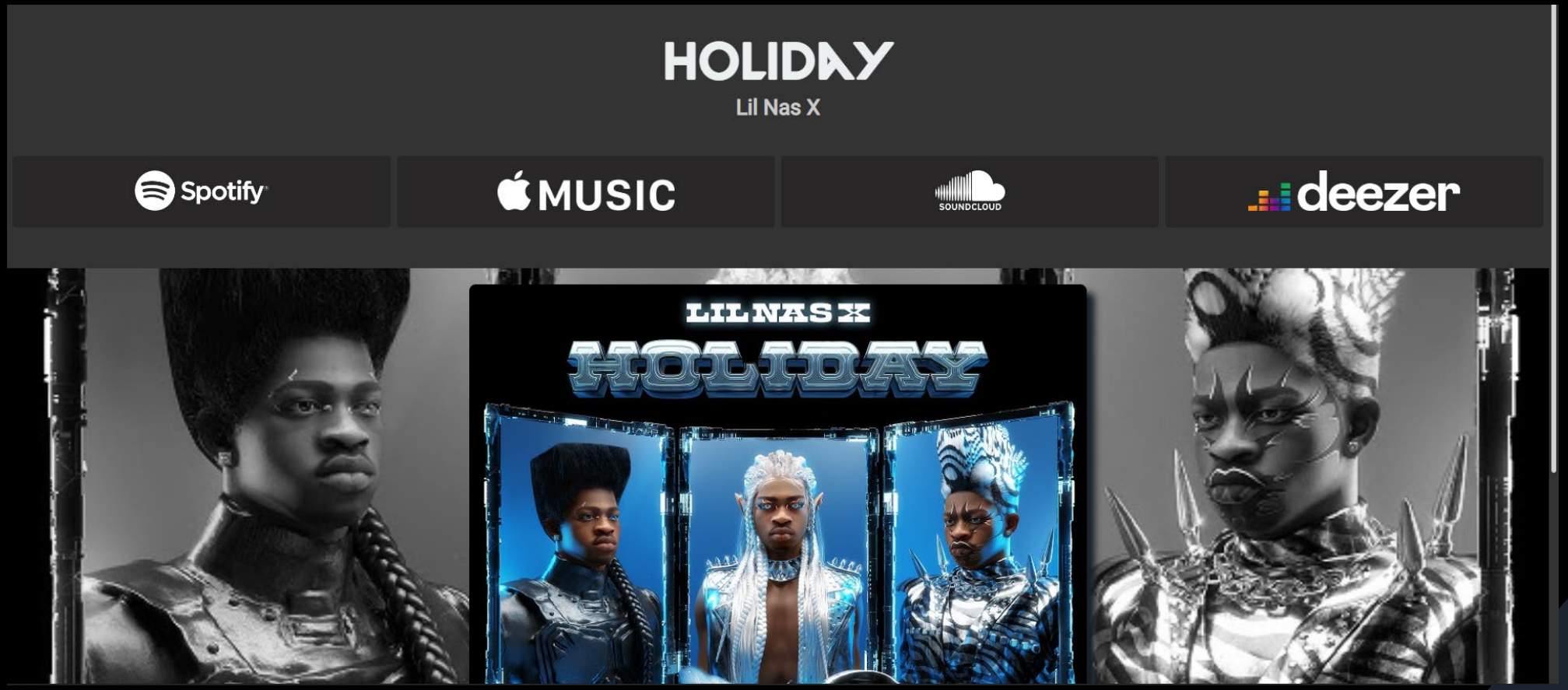


Artist Page

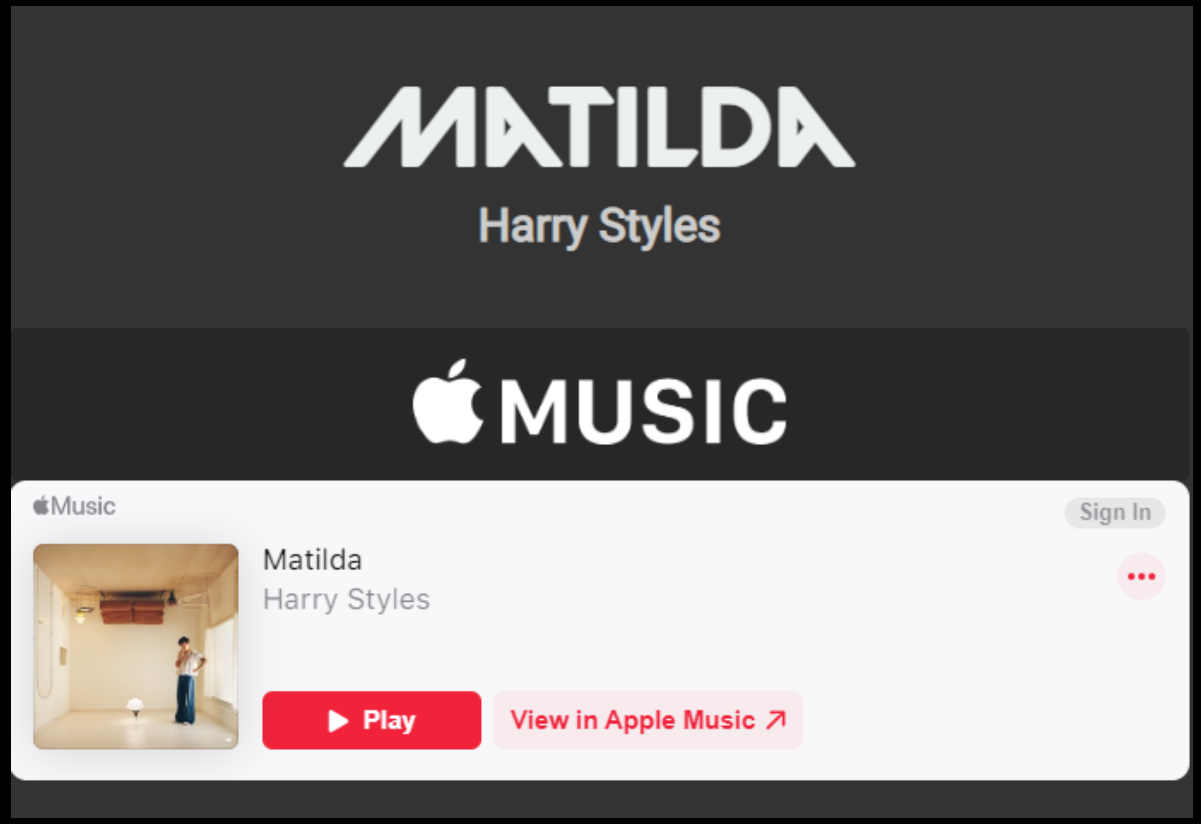
TOP ARTISTS

	Artist Name	Genre	Album
	Lil Nas X	Pop	Montero
	Harry Styles	Pop	Harry's House
	Doja Cat	Pop	Planet Her
	Juice Wrld	Pop, Rap	Good Bye & Good Riddance

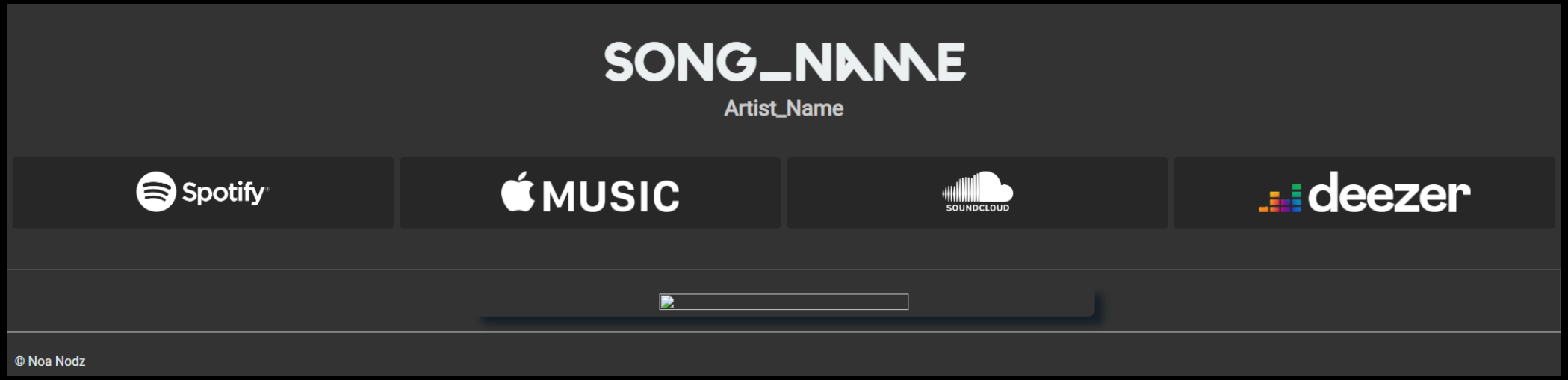
Individual Songs/Albums



Embedded Pages



Template Page



Team Toronto Keyboard Maple Leaf Warriors

NoaNodz
Vision (Small Project)

Version 2.0

Document Preparation

Name	Role	Approval (Signature)	Approval Date
Kathryn Compton	Documenter, Designer, Tester	Kathryn Compton	10/28/22
Elizabeth Rubio	Documenter, Designer, Tester	Elizabeth Rubio	10/28/22

Document Approvals

Name	Role	Approval (Signature)	Approval Date
Kevin White	Project Manager, Developer	Kevin White	10/28/22
Amado Lazo	Technical Manager, Developer	Amado Lazo	10/28/22
Orlando Gomez	Developer, Designer	Orlando Gomez	10/28/22
Jennifer Vasquez	Developer, Designer, Tester	Jennifer Vasquez	10/28/22

Revision History

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Vision (Small Project)

1. Introduction

1.1 Purpose of the Document

The purpose of this document is to collect, analyze, and define high-level needs and features of the NoaNodz website. It focuses on the capabilities needed by the stakeholders and the target users, and why these needs exist. The details of how the NoaNodz website fulfills these needs are detailed in the use-case and supplementary specifications.

1.2 Scope of the Document

This document explains the purpose of the project, stakeholders and users involved, product description, features and requirements.

1.3 References

N/A

1.4 Definitions, Acronyms, and Abbreviations

Term	Abbreviation / Acronym	Definition

2. Positioning

2.1 Business Opportunity

This website is a lucrative business opportunity for advertisers in the music industry. Those wishing to promote their music or related products can reach out to be featured on the landing page of the site.

2.2 Problem Statement

The problem of	Having too many different streaming services makes sharing with others across platforms difficult.
affects	Music lovers everywhere.
the impact of which is	The impairment of people's ability to explore and connect over music.
a successful solution would be	Establishing one cohesive music sharing and listening environment.

2.3 Product Position Statement

For	Music lovers everywhere.
Who	Want to connect and share music.
The NoaNodz website	Is a music sharing and listening website.
That	Offers an extensive music library and promotes cross-platform sharing.
Unlike	Streaming services such as Spotify, Pandora, Apple Music, YouTube, etc.
Our product	Provides ease of sharing no matter the consumers' preferences.

3. Stakeholder and User Descriptions

3.1 Stakeholder Summary

Name	Description	Responsibilities
Client	Contracted the team for website creation	Monitors the project's progress and approves features
Advertiser	Someone who wants to advertise music or products on the site	Ensures the site will be appealing to music consumers
Developer / Designer	Team members who design and implement the website	Ensure the creation, functionality, and maintainability of the site
Tester	Outside individual who is not involved in the website development	View and use the site and provide feedback to developers and designers

3.2 User Summary

Name	Description	Responsibilities	Stakeholder
User	Visitors who want to listen to and share music on the site	Consumer of the website's content	Tester

3.3 User Environment

Users can browse the website alone or along with other music lovers. The task cycle depends fully on each user and how long they would like to explore the site's selections and sharing options. The NoaNodz website will be available to use across many devices with internet access, including mobile and desktop environments. This website will work together with preexisting music streaming platforms and will integrate with their embedded content in order to provide listening access on NoaNodz.

3.4 Summary of Key Stakeholder or User Needs

There is no major environment for music lovers to both explore music and share their discoveries with other users. NoaNodz solves this issue by creating a cohesive cross-platform sharing and listening environment that is more convenient for a larger audience of users.

3.5 Alternatives and Competition

Users wishing to create a more universal music sharing environment may create a personal music recommendation blog. Although this would allow music lovers to connect and explore, this would lack the convenient listening aspect that is provided with the NoaNodz website.

Some streaming services offer music sharing on their platforms, such as Spotify and Apple Music allowing friends to view listening activity. While this does provide both listening and community features, this does not allow music lovers who prefer different platforms to congregate in one convenient space.

4. Product Overview

4.1 Product Perspective

The music recommendation and exploration content of NoaNodz are self-contained and provided by the website itself. However, the convenient listening elements of the website are provided through embedded content from YouTube, Spotify, Apple Music, SoundCloud, and Deezer.

4.2 Assumptions and Dependencies

It is assumed that the music streaming platforms that provide listening functionality on the NoaNodz site will always be available to use. If these platforms (YouTube, Spotify, Apple Music, SoundCloud, and Deezer) or content used from these platforms on the site would become unavailable, then some or all of the site's listening functionality would become unavailable as well.

The NoaNodz website is being hosted on GitHub. Therefore, GitHub and its hosting capabilities are another outside feature assumed to be available in order for the website to continue to function.

4.3 Cost and Pricing

The NoaNodz website will be free to use on any device with internet access.

4.4 Licensing and Installation

There are no licensing / installation requirements.

5. Product Features

5.1 Feature 1 – Song / Album of the Week

Each week, the landing page will feature a different song and album from the music selection as a spotlight for users to take as our personal recommendation. This will show users that the website is a place worth visiting often for new music recommendations.

5.2 Feature 2 – Artist / Album / Song Information Pages

Each artist, album, and song in the music selection will feature a page providing information and listening options. This will allow users to learn more about our selections and access them on their preferred streaming services.

5.3 Feature 3 – Artist / Album / Song List Pages

Each artist, album, and song in the music selection will be available to view on corresponding list pages, which show the entirety of the website's available contents. This will allow users to have a central place to go on the website to explore our entire available selection.

5.4 Feature 4 – Embedded Links for Listening

Each artist, album, and song in the music selection will be available to stream on their corresponding information pages. This will allow users to transition directly from exploring the site's music selection to consuming their new discoveries.

6. Constraints

There is a time constraint of one semester for completion of this website. Additionally, a constraint placed upon the product by the client is inclusion of innovation in our designs, features, and concept.

7. Quality Ranges

Given the specified project timeline, we expect medium to high quality of performance, robustness, fault tolerance, and usability.

8. Precedence and priority

The feature that is of top priority for this website is the ability to listen to each musical selection. The next most important feature is the ability to view the music selections in an organized and innovative fashion.

9. Other Product Requirements

9.1 Applicable Standards

- ADA Compliance
- Web Content Accessibility Guidelines (WCAG)
- Section 508
- User Agent Accessibility Guidelines (UAAG)

9.2 System Requirements

The NoaNodz website is available on any system that has internet access, a graphical user interface, and a browser to access the website.

9.3 Performance Requirements

The NoaNodz website will be easily accessible under normal to somewhat busy network or hardware conditions.

9.4 Environmental Requirements

The NoaNodz web application will be available if the system used to access it has reliable internet connection and is not extremely busy with other requests.

9.5 Documentation Requirements

The following documents are helping to guide the project's progress in a timely and satisfactory manner.

- Project Vision Document
- Project Plan
- Project Requirements Specifications
- Project Software Design Document

Team Toronto Keyboard Maple Leaf Warriors

NoaNodz
Project Plan

Version 2.0

Document Preparation

Name	Role	Approval (Signature)	Approval Date
Kathryn Compton	Documenter, Designer, Tester	Kathryn Compton	10/28/22
Elizabeth Rubio	Documenter, Designer, Tester	Elizabeth Rubio	10/28/22

Document Approvals

Name	Role	Approval (Signature)	Approval Date
Kevin White	Project Manager, Developer	Kevin White	10/28/22
Amado Lazo	Technical Manager, Developer	Amado Lazo	10/28/22
Orlando Gomez	Developer, Designer	Orlando Gomez	10/28/22
Jennifer Vasquez	Developer, Designer, Tester	Jennifer Vasquez	10/28/22

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09/21/22	1.0	Baseline	Team Toronto Keyboard Maple Leaf Warriors
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Project Plan

1. Introduction

1.1 Purpose of the Document

The purpose of this document is to detail the plan for the NoaNodz website.

1.2 Scope of the Document

This document explains the project's goals, stakes, responsibilities, and work process.

1.3 References

N/A

1.4 Definitions, Acronyms, and Abbreviations

See Appendix A.

2. Project Goals

2.1 Business Goals

Our goal for the business aspect of NoaNodz is to provide a platform for music business advertisers to expand the reach of their business. Team Toronto Keyboard Maple Leaf Warriors will also benefit from this business, as advertisers will be paying for this ability to showcase their products.

2.2 Product Goals

Our goals for this product are to provide a cohesive online music sharing and listening environment that is enticing and inviting for anyone with a device that can browse the internet.

2.3 Quality Goals

Our goal for the quality of this website is to create an enticing and inviting user experience that promotes return visits. Additionally, we want to make the interface accessible and pleasing for all patrons.

3. Project Stakeholders and Stakes

3.1 Stakeholder Summary

Name	Description	Responsibilities
Client	Contracted the team for website creation	Monitors the project's progress and approves features
Advertiser	Someone who wants to advertise music or products on the site	Ensures the site will be appealing to music consumers
Developer / Designer	Team members who design and implement the website	Ensure the creation, functionality, and maintainability of the site
Tester	Outside individual who is not involved in the website development	View and use the site and provide feedback to developers and designers

3.2 User Summary

Name	Description	Responsibilities	Stakeholder
User	Visitors who want to listen to and share music on the site	Consumer of the website's content	Tester

3.3 Summary of Key Stakeholder or User Needs

There is no major environment for music lovers to both explore music and share their discoveries with other users. NoaNodz solves this issue by creating a cohesive cross-platform sharing and listening environment that is more convenient for a larger audience of users.

4. Project Budget

Number of team members = 6

Number of hours spent = 50

Budget: 300 man hours

5. Project Milestones and Schedule

Project Start Date: 09/06/22

Project End Date: 11/23/22

Project Milestone	Date	Deliverable
Problem Analysis, Vision Creation, Project Planning	09/21/22	Product Vision Document Project Plan
Requirements Analysis	09/28/22	Software Requirements Specification (SRS)
Product Design	10/12/22	Software Design Document (SDD)
Product Implementation	10/19/22	Software Code
Product Test	10/19/22	Software Test Document (STD)
Final Product Deliverable	11/23/22	All Documentation and Code
Product Launch	11/30/22, 12/07/22	Project Presentation

6. Project Communications

We host weekly Discord calls to discuss progress and goals. We communicate additional ideas and comments via Discord group chat and in person whenever possible.

7. Project Members and Roles

Project Role	Name	Responsibilities
Project Manager	Kevin White	Oversees progress and communicates with client
Technical Manager	Amado Lazo	Oversees all coding implementation

Developer	Orlando Gomez Amado Lazo Jennifer Vasquez Kevin White	Creates code to build website
Designer	Kathryn Compton Orlando Gomez Elizabeth Rubio Jennifer Vasquez	Designs user interface
Tester	Kathryn Compton Elizabeth Rubio Jennifer Vasquez	Ensures website functions properly
Documenter	Kathryn Compton Elizabeth Rubio	Produces all deliverables

8. Project Work Breakdown Structure (WBS)

[List the main work packages here.]

Work Package Number	Work Package Name	Responsible Team Members	Definition
WP-1	PV & PP	Elizabeth, Kathryn	Will work on Vision Document and Project Plan documents will be revised and looked at by the rest of the group.
WP-2	SRS	Elizabeth, Kathryn	Will work on Software Requirements documents will be revised and looked at by the rest of the group.
WP-3	SDD	Kevin, Amado	Will work on Software Design Document for the project will be revised and looked at by the rest of the group
WP-4	STD	Kevin	Will work on Software Test Document, will be revised and looked at by the rest of the group
WP-5	Software Code	Amado, Orlando, Jennifer	Will build and test code and will be revised by the rest of the team as well as the test user in the Software test document

9. Project Deliverables

Deliverable Number	Deliverable Name

D-1	Project Vision Document
D-2	Project Plan
D-3	Software Requirements Document
D-4	Software Design Document
D-5	Project Code
D-6	Software Test Document
D-7	Software Requirements Document 2.0
D-8	Software Design Document 2.0
D-9	Project Code 2.0
D-10	Software Test Document 2.0

10. Project Risks

[List the project risk here.]

[Risk Severity: High (3) – Medium (2) – Low (1)]

[Risk Probability: High (3) – Medium (2) – Low (1)]

[Risk Level is the multiplication of severity and probability.

*Risk Level= Severity * Probability*

*Example= High (3) * Medium (2) = 6,*

*Another Example = Low (1) * High (3) = 3]*

Risk Number	Risk	Risk Reduction Approach
R-1	Websites do not like us using there streaming services as the backbone to our website.	Make sure to read and follow TOS on websites we are using and do not break their rules
R-2	Music websites stop allowing embedding on other websites	Talk with the steaming sites
R-3	Websites update their embedding, causing ours to no longer work/break	Try and keep track of updates before they happen within the streaming services, we utilize

Risk Priority	Severity	Probability	Risk Level
R-1	High (3)	High (1)	3
R-2	High (3)	High (1)	3
R-3	High (3)	Medium (2)	6

11. Appendix A – Definitions, Acronyms, and Abbreviations

Term	Abbreviation / Acronym	Definition

Team Toronto Keyboard Maple Leaf Warriors

NoaNodz
Software Requirements Specifications (SRS)

Version 2.0

Document Preparation

Name	Role	Approval (Signature)	Approval Date
Kathryn Compton	Documenter, Designer, Tester	Kathryn Compton	11/03/22
Elizabeth Rubio	Documenter, Designer, Tester	Elizabeth Rubio	11/03/22

Document Approvals

Name	Role	Approval (Signature)	Approval Date
Kevin White	Project Manager, Developer	Kevin White	11/03/22
Amado Lazo	Technical Manager, Developer	Amado Lazo	11/03/22
Orlando Gomez	Developer, Designer	Orlando Gomez	11/03/22
Jennifer Vasquez	Developer, Designer, Tester	Jennifer Vasquez	11/03/22

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Software Requirements Specification (SRS)

1. Introduction

1.1 Purpose of the Document

The purpose of this document is to document the software requirements specifications for the project NoaNodz.

1.2 Scope of the Document

This document will cover the product scope and users, as well as use cases. Additionally, functional requirements (software and hardware) and quality requirements will be detailed.

1.3 References

N/A

1.4 Definitions, Acronyms, and Abbreviations

See Appendix A.

2. Product Scope

The website landing page will showcase a featured album and song of the week. Users can select an artist to view their information, including albums and songs, making discovering new music simple and efficient. Albums and songs will have multiple different links to provide the preferred listening experience.

3. Product Users

3.1 Users

Product User Type	User Characteristics
Common User	All ages, any technology level, any education level; anyone who visits the site to browse and listen to music
Advertiser	All ages, any technology level, any education level; anyone who wishes to advertise on the site
Developer	College age, advanced technology level, college education level; any team members who worked on coding the website
Tester	All ages, any technology level, any education level; an outside party chosen by the team to test the site

4. Use Cases

Use Case ID	Use Case Name	Brief Description
UC-1	Browsing Artists/Albums/Songs	The user will click the Artists, Albums, or Songs button at the top navigation bar.
UC-2	Viewing weekly recommendations	The user will view the home page upon entering the website or navigate to it by clicking the home button or the NoaNodz logo, both located on the top navigation bar.
UC-3	Listening to music	The user will navigate to an Artist page and then select an Album, or Song, which in turn will take them to an information page. Alternatively, they can access Album and Song information pages from the Album and Song list pages. Once there, they can click the link corresponding to

		their preferred listening service to listen to music.
UC-4	Viewing Artist/Album/Song information	The user will navigate to an Artist, Album, or Song information page and via a link on the Home page, or on the Albums, Songs, or Artists list pages.

5. Functional Requirements

5.1 Software Requirements

Requirement ID	Requirement Priority (High/Medium /Low)	Requirement
Req-Func-Sw-1	Medium	The system shall display a different album/song of the week each week.
Req-Func-Sw-2	High	The system shall direct the user to the correct page after clicking the corresponding menu button on the navigation bar.
Req-Func-Sw-3	High	The system shall direct the user to the correct music listing on the streaming service of choice when they click on the corresponding button on an information page.
Req-Func-Sw-4	High	The system shall direct the user to the correct album/artist/song information page from its link on the album/artist/song listing pages of from the landing page.
Req-Func-Sw-5	Medium	The system shall provide the most popular music streaming services for the user to choose from.

5.2 Hardware Requirements

how much space, how many people can access at once

Requirement ID	Requirement Priority (High/Medium /Low)	Requirement
Req-Func-Hw-1	High	The system shall use GitHub Pages in order to direct the website to the appropriate amount of people currently trying to access it. This amount of network hardware will be dynamic based on the popularity of the site and will be provided by GitHub.
Req-Func-Hw-2	High	The system shall not require storage exceeding the limit of 1 GB
Req-Func-Hw-3	High	The system shall not exceed 100GB of bandwidth usage in any given month during operation
Req-Func-Hw-4	High	The system shall not exceed the limit of 10 builds per hour

6. Quality Requirements

Requirement ID	Requirement Priority (High/Medium/Low)	Requirement
Req-Qual-Simp-1	High	The system shall have a simple and aesthetically pleasing user interface.
Req-Qual-Main-3	Medium	The system shall be easily maintainable.
Req-Qual-Perf-3	High	The system shall have high performance.

<Company Name>

NoaNodz
Software Design Document (SDD)

Version 2.0

Document Preparation

Name	Role	Approval (Signature)	Approval Date
Amado Lazo	Technical Manager, Developer	Amado Lazo	11/02/2022
Kevin White	Project Manager, Developer	Kevin White	11/02/2022

Document Approvals

Name	Role	Approval (Signature)	Approval Date
Kathryn Compton	Documenter, Designer, Tester	Kathryn Compton	11/03/22
Elizabeth Rubio	Documenter, Designer, Tester	Elizabeth Rubio	11/03/22
Orlando Gomez	Developer, Designer	Orlando Gomez	11/03/22
Jennifer Vasquez	Developer, Designer, Tester	Jennifer Vasquez	11/03/22

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09/21/2022	1.0	Original	Team Toronto Keyboard Maple Leaf Warriors
11/02/2022	2.0	A new format with additional information regarding ideas and designs.	Team Toronto Keyboard Maple Leaf Warriors

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Software Design (SDD)

1. Introduction

This software design documents goal is to try and organize our teams thinking so we can get a solid design idea and them down for our website

1.1 Purpose of the Document

The purpose of this document is to document the software design for the project NoaNodz.

1.2 Scope of the Document

This document will represent and be the go-to source for our software engineers when designing and building pages on the website

1.3 References

N/A

1.4 Definitions, Acronyms, and Abbreviations

See Appendix A.

2. Product Scope

Within this project's scope, we are trying to be the hub for all music, by creating embedded versions of all other music websites within ours. This is so others can share our website to share and listen to music with their friends. This website is JUST for music, not podcasts or audiobooks.

3. System Design Decisions and Constraints

Some users may be at work or home listening to music on their computer and want to share music in a chat with friends or co-workers.

3.1 System Design Decisions

[Present a list of all design decisions.]

System Design Decision ID	Date	Design Decision	Reason
DD-1	10/8/2022	Breakdown into 4 main pages.	When searching for music you usually only have 4 criteria, you want: what's popular, a song, an album, or an artist.
DD-2	10/17/2022	4 streaming site choices.	These where the most popular streaming sites that allowed easy embedding.
DD-3	11/2/2022	Use Local Storage to remember users preferred website for ease of use.	This will make it an easier user experience only needing the user to
DD-4	11/2/2022	Use a JavaScript custom template in order to show all possible songs instead of adding a few manually	This would be easier for us in the long run, as well as let users use website properly
DD-5	11/2/20221	Allow song sharing.	This would allow the user to share songs amongst other users.

3.2 System Design Constraints

[Present a list of all design constraints.]

System Design Constraint ID	Date	Constraint	Reason
DC-1	10/30/2022	To many HTML files in a single folder.	Due to the amount of songs, we implemented, we had to some how keep track of all the songs so the user can click on the song and it will take them to its' page.
DC-2	11/2/2022	Sharing page URL amongst users.	Due to the way we populate the pages currently, it is difficult to implement the URL sharing method.
DC-3	11/2/2022	Mobile Responsiveness.	The CSS styling currently works with only Computer screens.

4. Software Architectural Design

[You do not have to fill this section for the course project. You may just write text below and move on to the next section.]

The software architecture of the [project/system name] is described in this section.

5. Software Design - Modules/Classes

[This section describes the software modules in the system. The overall software design is presented in Appendix B. Provide a list of modules in the system.]

Module/Class Name	Module Short Name (If there is one)	Short Description of the Module/Class
Module 1	Song Template Class	This JavaScript file populates the missing template sections of a song HTML file based on a pre-determined parameter.
Module 2	Drop Down Listen Buttons	When the user clicks on the buttons in the song HTML file, the buttons then show Embeds when clicked on corresponding to the song which is produced by the song template class.
Module 3	LocalStorage System	Gets LocalStorage from user and automatically opens a drop-down menu based on users preferences or does not open any if user does not have preference.

5.1 Module 1

[Describe Module 1 here.]

In this Module, the JavaScript populates the missing sections of the *song_template.html* which is pre-determined by parameters that are passed in this file. This creates a responsive html page which the user can view the right song that they have chosen.

5.2 Module 2

[Describe Module 1 here.]

For the 2nd Module there are 4 drop-down listen buttons for each of our streaming sites. These buttons allow the users to pick a preferred streaming site. When these buttons are clicked it will open and load a embedded audio player from the preferred streaming site. This song is based on the song provided by the templet class. Meaning the audio imbed is different based on the song chosen by the user.

5.3 Module 3

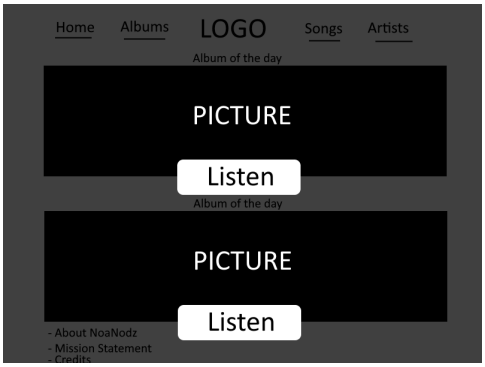
[Describe Module 1 here.]

For this module, when the user, uses the drop-down listen module, it will embed information to their LocalStorage, this information will then become their preferred listening platform of choice. When the user interacts with module 1 to produce a song on the template page module 2 will populate along with module 1 to automatically open their preferred streaming platform of choice.

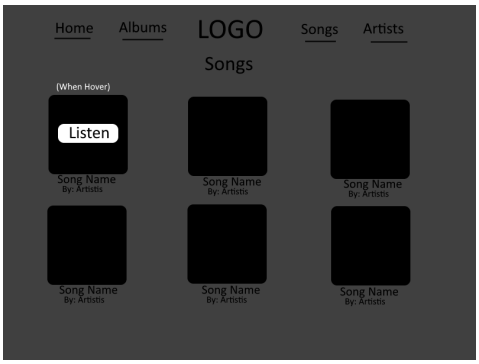
6. User Interface Design

[This section describes the user interface design of the system. Explain the reasoning behind the design of the user interfaces. The sketches/prototypes of user interfaces are presented in Appendix C.]

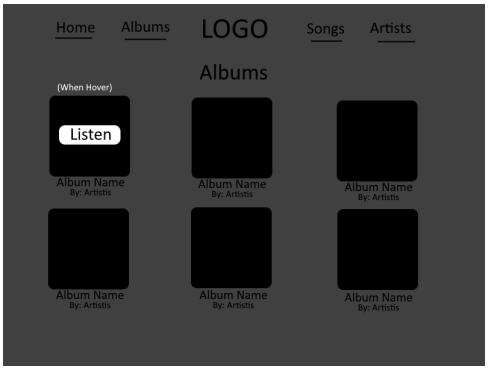
This is our Homepage when the user first enters the website displaying both Song and Album of the week.



This page is the Song page which is populated with different songs provided by us. To get to this page, it is easily accessible through the Navigation bar of the Home page.



This page is the Album page which is populated with different songs provided by us. To get to this page, it is easily accessible through the Navigation bar of the Home page.



This page is the Artist page which is populated with different songs provided by us. To get to this page, it is easily accessible through the Navigation bar of the Home page.

This page is the Song Template page is populated with songs provided by us and is generated through JavaScript. To get to this page, the user must click on the Listen button in the songs page or the song on the artist page.

This page is the Album Template page is populated with an album provided by us and is generated through JavaScript. To get to this page, the user must click on the Listen button in the album page or the album on the artist page.

This page is the Artist Template page is populated with an artist provided by us and is generated through JavaScript. To get to this page, the user must click on the artist on the song/album pages or on the artist page.

7. Appendix A – 1.4 Definitions, Acronyms, and Abbreviations

Term	Abbreviation / Acronym	Definition
HyperText Markup Language	HTML	is the standard markup language for documents designed to be displayed in a web browser.
Cascading Styling Sheet	CSS	is a style sheet language used for describing the presentation of a document written in a markup language.

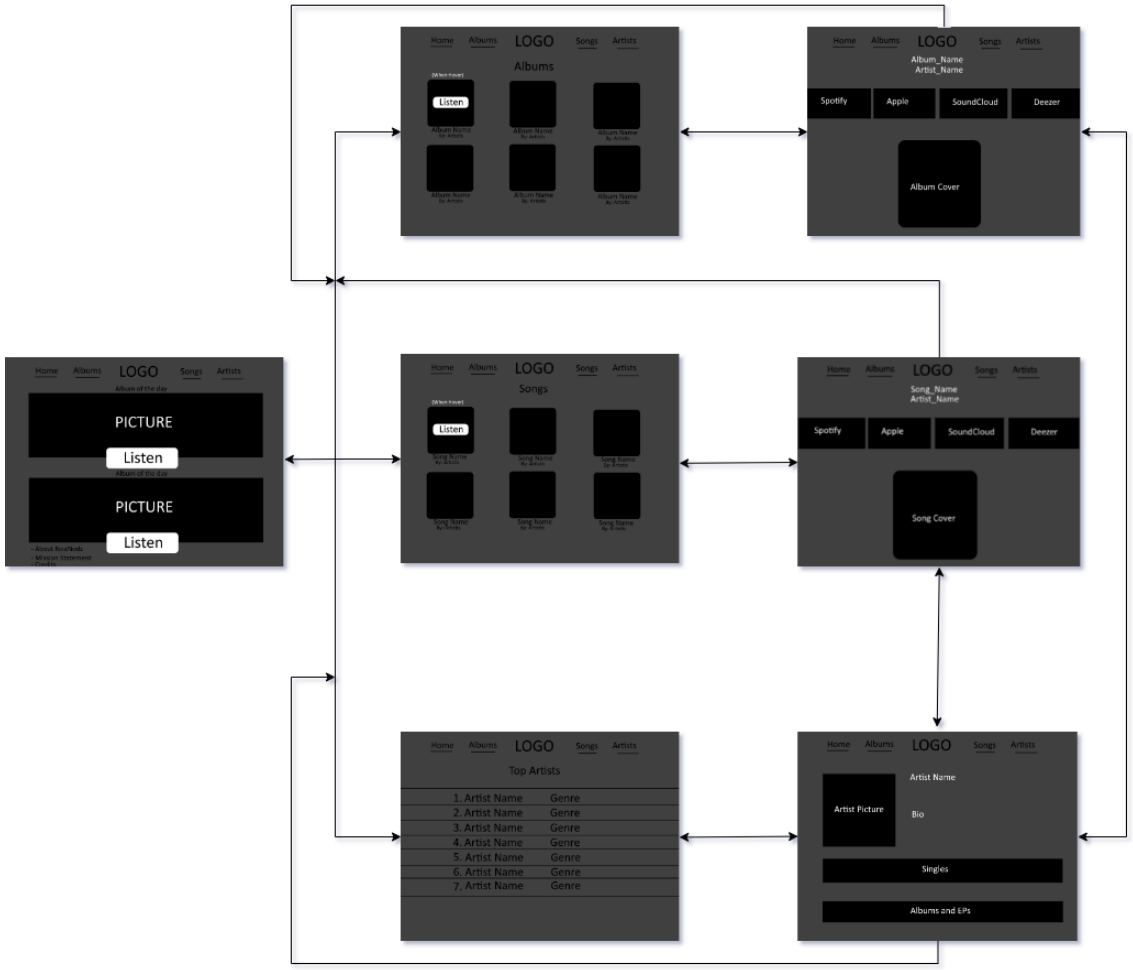
8. Appendix B – Class Diagram of the Software System

[Present the class diagram here. If it is not applicable, write Not Applicable. For some web application, we may not have a class diagram.]

Not Applicable

9. Appendix C – User Interfaces

[Present the user interfaces of the system. They may be sketches and even design in powerpoints.]



<Company Name>

NoaNodz
Software Test Document (STD)

Version 2.0

[

Document Preparation

Name	Role	Approval (Signature)	Approval Date
Amado Lazo	Technical Manager, Developer	Amado Lazo	11/02/2022
Kevin White	Project Manager, Developer	Kevin White	11/02/2022

Document Approvals

Name	Role	Approval (Signature)	Approval Date
Kathryn Compton	Documenter, Designer, Tester	Kathryn Compton	11/10/22
Elizabeth Rubio	Documenter, Designer, Tester	Elizabeth Rubio	11/010/22
Orlando Gomez	Developer, Designer	Orlando Gomez	11/10/22
Jennifer Vasquez	Developer, Designer, Tester	Jennifer Vasquez	11/10/22

Revision History

Date	Version	Description	Author
10/09/22	1.0	First Version of Test Document	Kevin White
11/10/22	2.0	Second Version of test Document	Kevin White

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Software Test Document (STD)

1. Introduction

1.1 Purpose of the Document

The purpose of this document is to document the software test related activities and test cases for the project NoaNodz.

1.2 Scope of the Document

This document gives 4 test cases tested by two Users/Customers

1.3 Definitions, Acronyms, and Abbreviations

N/A

2. Product Scope

This project's scope is to let users listen to their song of choice on our platform through embeds, so they can use their streaming subscription of choice.

3. Test Planning

One of the issues related to testing, was that user test 2 did not have an account for any streaming platform, however, they were still able to use SoundCloud to listen.

3.1 Responsibilities

Role	Name	Responsibilities
Test Engineer	Kevin White	Prepares the test cases under the direction of the test manager.
Developer	Amado Lazo, Orlando Gomez, Jennifer Vasquez	Supports the test engineers during the tests. Fixes the defects/bugs if identified during tests. Stay in the loop for the testing process.
Test Manager	Kevin White	Plans and coordinates all testing activities. Manages the testing team and test engineers. Take corrective action related to the testing activities if needed. Informs the project manager and technical manager regarding the test progress.
Customer/User Representative	Katelynn Blando, Julie Sanchez	Approves software test document, reviews test cases, and support the testing process if possible.
Requirements Manager	Kate Compton, Elizabeth Rubio	Approves software test document, reviews test cases, and support the testing process if possible.
Technical Manager	Amado Lazo	Ensures that all teams (project team members) work in tandem to achieve a successful testing process.

3.2 Test Schedule

Test Case	Scheduled Date	Actual Date / Duration

TC-1	11/10/2022	10/11/2022 – 10 min
TC-2	11/10/2022	10/11/2022 – 10 min
TC-3	11/10/2022	10/11/2022 – 10 min
TC-4	11/10/2022	10/11/2022 – 10 min

4. Test Preparation

All that is needed for the test is a computer with a working OS, and an internet connection.

4.1 Test Environment

There where two test incitements, one at home, where we tested on the user's computer. We gave them the link to our website to see how it ran on there computer at home on their internet connection.

The second test environment is at work on a work internet connection using a user's work computer.

The test will run on a laptop in the laboratory. No special equipment is needed. No additional testing software will be used. Etc.

5. Test Cases

5.1 Test Cases

Test Case ID	Test Case Name	Description
TC-1	User Interface Test	This test case verifies that all user interface elements work as intended on all of the webpages and all of the links.
TC-2	Scaling Test	This test case verifies that the UI looks correct on multiple screen sizes, for the chosen internet browser
TC-3	Embed Test	Make Sure user can listen to any of the embeds through the song/album page of the chosen song
TC-4	External Login Test	If user is logged into there streaming platform of choice, they should be able to listen to FULL song of choice.

6. Appendix B – User Tests

6.1 User Interface Test

Test Case ID	TC-1
Test Case Name	User Interface Test
Brief Description	This test case verifies that all user interface elements work as intended.
Planned Test Duration	10 min
Current Version	2.0
Date of Last Version	11/10/2022

Created By	Kevin White
Last Update By	11/10/2022
Approved By	Elizabeth, Kate
The version of Software Under Test	0.9
Test Engineer to Conduct the Test	Kevin White
List of Test Support Software	Google Chrome
List of Test Support Hardware	Basic Laptop/Computer

Test Case 1 Scenario

Test Step Number	Input	Expected	Result (Pass/Fail)
1	Run the application.	The application starts running.	Yes
2	Test headers	Headers take user to the appropriate page	Yes
3	Test Links	All Links for songs/albums/artists work	Yes

Test Case 2 Scenario

Test Step Number	Input	Expected	Result (Pass/Fail)
1	Run the application.	The application starts running.	Pass
2	Test headers	Headers take user to the appropriate page	Pass
3	Test Links	All Links for songs/albums/artists work	Pass

6.2 Scaling Test

Test Case ID	TC-2
Test Case Name	Scaling Test
Brief Description	Test that test works on all browsers at different scales
Planned Test Duration	10 min
Current Version	2.0
Date of Last Version	11/10/2022
Created By	Kevin White

Last Update By	11/10/2022
Approved By	Elizabeth, Kate
The version of Software Under Test	0.9
Test Engineer to Conduct the Test	Kevin White
List of Test Support Software	Google Chrome
List of Test Support Hardware	Basic Laptop/Computer

Test Case 1 Scenario

Test Step Number	Input	Expected	Result (Pass/Fail)
1	Run the application.	The application starts running.	Yes
2	Works on Google, Firefox, Edge	To Run on all popular internet platforms	Yes
3	Scaling	Works at different scales on the user's screen	Fail

Test Case 2 Scenario

Test Step Number	Input	Expected	Result (Pass/Fail)
1	Run the application.	The application starts running.	Pass
2	Works on Google, Firefox, Edge	To Run on all popular internet platforms	Pass
3	Scaling	Works at different scales on the user's screen	Fail

6.3 Embed Test

Test Case ID	TC-3
Test Case Name	Embed Test
Brief Description	Test that test works on all browsers at different scales
Planned Test Duration	10 min
Current Version	2.0
Date of Last Version	11/10/2022

Created By	Kevin White
Last Update By	11/10/2022
Approved By	Elizabeth, Kate
The version of Software Under Test	0.9
Test Engineer to Conduct the Test	Kevin White
List of Test Support Software	Google Chrome
List of Test Support Hardware	Basic Laptop/Computer

Test Case 1 Scenario

Test Step Number	Input	Expected	Result (Pass/Fail)
1	Deezer	Deezer connects song/album	Pass
2	Spotify	Spotify connects song/album	Pass
3	Apple	Apple connects song/album	Pass
4	SoundCloud	SoundCloud connects song/album	Pass

Test Case 2 Scenario

Test Step Number	Input	Expected	Result (Pass/Fail)
1	Deezer	Deezer connects song/album	Pass
2	Spotify	Spotify connects song/album	Pass
3	Apple	Apple connects song/album	Pass
4	SoundCloud	SoundCloud connects song/album	Pass

6.4 External Login Test

Test Case ID	TC-4
Test Case Name	External Login Test
Brief Description	Test if external login gives you embed access on our website
Planned Test Duration	10 min
Current Version	2.0
Date of Last Version	11/10/2022
Created By	Kevin White

Last Update By	11/10/2022
Approved By	Elizabeth, Kate
The version of Software Under Test	0.9
Test Engineer to Conduct the Test	Kevin White
List of Test Support Software	Google Chrome
List of Test Support Hardware	Basic Laptop/Computer

Test Case 1 Scenario

Test Step Number	Input	Expected	Result (Pass/Fail)
1	Pre-Login	Users can only listen to part of the song	Yes
2	Login	User logs into streaming play form of choice	Pass
3	Open Application Again	The user should be able to open our website again	Pass
4	Listen	The user should be able to listen to the FULL song	Pass

Test Case 2 Scenario

Test Step Number	Input	Expected	Result (Pass/Fail)
1	Pre-Login	Users can only listen to part of the song	Pass
2	Login	User logs into streaming play form of choice	Fail
3	Open Application Again	The user should be able to open our website again	Fail
4	Listen	The user should be able to listen to the FULL song	Fail