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

Date	Version	Description	Author
09/21/22	1.0	Baseline	Team Toronto Keyboard Maple Leaf Warriors
10/28/22	2.0	Revised (New Template)	Team Toronto Keyboard Maple Leaf Warriors

Table of Contents

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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