
Group01

**Music Player
Vision Document**

Version 1.1

Music Player	Version: 1.1
Vision Document	Date: 21/06/2022

Revision History

Date	Version	Description	Author
07/06/2022	1.0	Initial version	Trương Samuel Trần Hồng Minh Phúc
21/06/2022	1.1	Adding upload songs, role assign features to 5. Product feature and adjusting 8. Precedence and Priority	Trương Samuel

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Vision (Small Project)

1. Introduction

1.1 Purpose

The purpose of this document is to define the high-level requirements of Music Player app in terms of the needs of the end users.

1.2 Scope

This Vision Document applies to the Music Player app, which will be developed by Group01. This app will allow everyone to listen to music online; and the artists can upload their songs, albums to this app.

1.3 References

None

2. Positioning

2.1 Business Opportunity

The Music Player app will be a pioneer in the music streaming market. As a result, there will be opportunities to sign with famous artists to attract more users.

2.2 Problem Statement

The problem of	the lack of high-quality copyrighted music streaming apps with massive library of songs
affects	those who like listening to music and artists
the impact of which is	hard to find music with high quality or lack of songs
a successful solution would be	a simple mobile app where everyone can enjoy listening to music, discover new songs and artists' songs can access to more people

2.3 Product Position Statement

For	non-artists and artists
Who	enjoy listening to music or want to publish their songs
The Music Player	is an Android app
That	enables everyone to listen to music online
Unlike	other music streaming piracy sites
Our product	provides a massive number of high-quality copyrighted music

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3. Stakeholder and User Descriptions

This section describes the users of the Music Player app. There are 3 types of users of the Music Player; the Non-artists, the Artists, and the Admins.

3.1 Market Demographics

The target market for this system is primarily aimed at young people (between the ages of 15 and 30) and artists.. The initial release of Music Player will be limited to Viet Nam and Android. As it grows, Music Player will come to iOS and other countries.

3.2 Stakeholder Summary

Name	Description	Responsibilities
Development team	Group01	Responsible for developing this project
Supervisor	Theory lecturer: Nguyễn Thị Minh Tuyền	Supervise and guide the development team
Non-artist	Those who just listening to music	Ensures that the system will meet the needs of the Non-artist, who can listen to music online
Artist	Artist	Ensures that the system will meet the needs of the Artist, who can upload their songs
Admin	Admin	Ensures that the system will meet the needs of the Admin, who manages songs and account

3.3 User Summary

Name	Description	Responsibilities	Stakeholder
Non-artist	Those who just listening to music	listen to music online download music create their own playlists add songs to favorites search for songs	self-represented
Artist	Artist	upload new songs, albums view statistics of songs, albums	self-represented

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Admin	Administrator	approve new songs from Artist manage account	self-represented
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3.4 User Environment

Users will be expected to have an Android phone that can connect to the network. Earbuds are preferred to have a better sound experience.

The initial release of Music Player will be limited to Viet Nam and Android. As it grows, Music Player will come to iOS and other countries.

3.5 Stakeholders Profiles

3.5.1 Development team

Description	Team develops this project, which is Group01
Type	Dev
Responsibilities	Responsible for developing this project
Success Criteria	Success is completion of the project within approved budget and before deadline
Involvement	Project reviewer. Budgetary approval signatory. Involved in staff performance reviews.
Deliverables	None
Comments / Issues	None

3.5.2 Supervisor

Description	Theory lecturer: Nguyễn Thị Minh Tuyền
Type	Guru
Responsibilities	Supervise and guide the development team
Success Criteria	Providing enough knowledge and instruction to dev team
Involvement	Supervise and guide the development team
Deliverables	None
Comments / Issues	None

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3.5.3 Non-artist

Description	Those who just listening to music
Type	User
Responsibilities	Ensures that the system will meet the needs of the Non-artist, who can listen to music online
Success Criteria	Ability to listen to music online
Involvement	Provide reviews of music listening experience
Deliverables	None
Comments / Issues	None

3.5.4 Artist

Description	Artists
Type	User
Responsibilities	Ensures that the system will meet the needs of the Artist, who can upload their songs
Success Criteria	Ability to upload songs
Involvement	Provide reviews of uploading songs process
Deliverables	None
Comments / Issues	None

3.5.5 Admin

Description	Administrator
Type	User
Responsibilities	Ensures that the system will meet the needs of the Admin, who manages songs and account
Success Criteria	Ability to manage songs and account
Involvement	Requirements reviewer.
Deliverables	None

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Comments / Issues	None
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3.6 User Profiles

Covered under the previous section.

3.7 Summary of Key Stakeholder or User Needs

Need	Priority	Concerns	Current Solution	Proposed Solutions
Listening to music online	High	Delay when playing music	See proposed	Using a server with high-speed connection
Artists can upload new songs	High	Songs that violate customs	See proposed	Songs must be censored

3.8 Alternatives and Competition

Zing MP3 and NhacCuaTui are one of the most powerful competitors. In terms of the advantages of these two, they provide a large number of Vietnamese songs; the UI design is simple to use; most songs are free to download. Concerning the drawbacks, due to be a domestic app, the amount of foreign music will be quite limited

4. Product Overview

4.1 Product Perspective

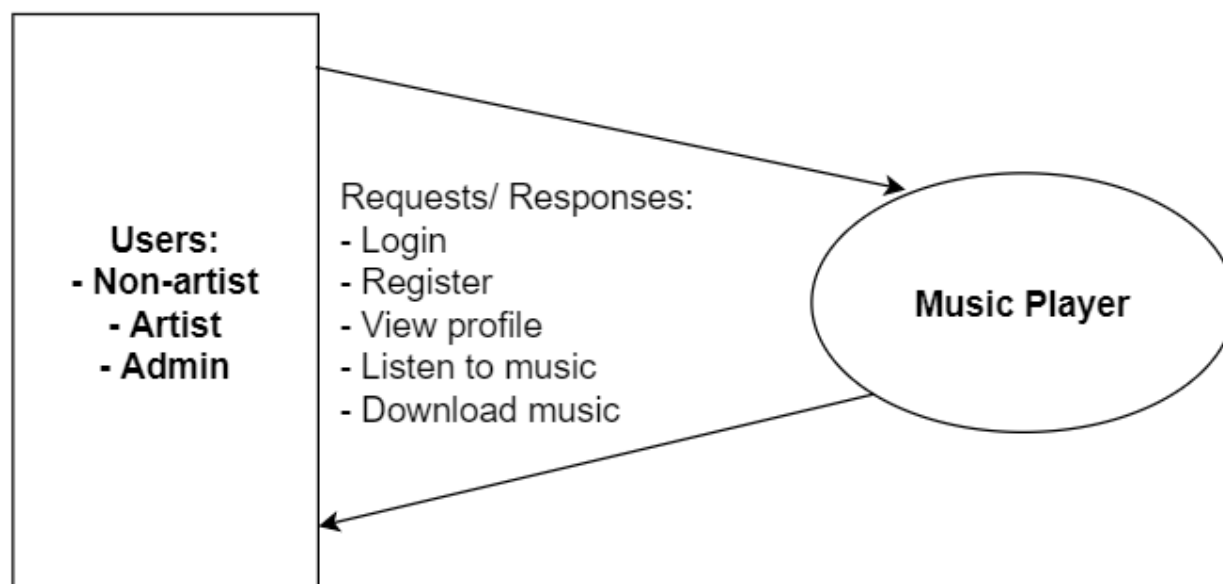


Figure 1. Music Player Context Diagram

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4.2 Summary of Capabilities

Customer Benefit	Supporting Features
Listen to music in anywhere as long as having network connection or songs have been downloaded	Music streaming and downloading services
Artist's songs can approach to more users	Artists can upload songs

4.3 Assumptions and Dependencies

None

4.4 Cost and Pricing

None

4.5 Licensing and Installation

Require Copyright Licensing in Music Distribution.

5. Product Features

5.1 Login

Users login by entering their username and password.

5.2 Register

Only Non-artist accounts can be registered; contact Admin to create an Artist account; Admin account is pre-created.

5.3 Music streaming

All users can listen to music online.

5.4 Music downloading

All users can download songs.

5.5 Search songs

Everyone can search by criteria (song's name, artist, genre, album).

5.6 Create playlists, add songs to favorites

All users can customize their own playlists and add songs to their favorites.

5.7 View statistics of songs

Artist accounts can view statistics of their songs (likes, views).

5.8 Upload songs

Artist accounts can upload their songs.

5.9 Approve songs

Admin accounts can accept or reject new songs uploaded by Artists.

5.10 Share songs to social networks

All users can share songs to social networks (Facebook, Twitter).

5.11 Light & Dark theme modes

All users can switch themes of the app.

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5.12 Role assign

Admin account can assign roles (Non-artist, Artist, Admin) for other accounts.

6. Constraints

This project must be done before the deadline.

7. Quality Ranges

This section defines the quality ranges for performance, robustness, fault tolerance, usability, and similar characteristics for the Music Player.

Availability: The System shall be available 24 hours a day, 7 days a week.

Usability: The System shall be easy-to-use.

Maintainability: The System shall be designed for ease of maintenance.

8. Precedence and Priority

Priority	Feature (By Number Above)
High	1, 2, 3, 4, 5, 6, 9, 12
Medium	7, 8, 10, 11

9. Non-Functional Requirements

The delay when playing music should not be greater than 3 seconds

10. Documentation Requirements

None