MusiCast Application

Vision

Version <1.0>

Revision History

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Vision

# Introduction

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

[The introduction of the **Vision** document provides an overview of the entire document. It includes the purpose, scope, definitions, acronyms, abbreviations, references, and overview of this **Vision** document.]

## Purpose

[Specify the purpose of this **Vision** document**.**]

The purpose of this Vision document is to present and describe more clearly every aspect of the system to be implemented.

## Scope

[A brief description of the scope of this **Vision** document; what Project(s) it is associated with and anything else that is affected or influenced by this document.]

## Definitions, Acronyms, and Abbreviations

[This subsection provides the definitions of all terms, acronyms, and abbreviations required to properly interpret the **Vision** document. This information may be provided by reference to the project’s Glossary.]

## References

[This subsection provides a complete list of all documents referenced elsewhere in the **Vision** document. Identify each document by title, report number if applicable, date, and publishing organization. Specify the sources from which the references can be obtained. This information may be provided by reference to an appendix or to another document.]

## Overview

[This subsection describes what the rest of the **Vision** document contains and explains how the document is organized.]

# Positioning

## Problem Statement

[Provide a statement summarizing the problem being solved by this project. The following format may be used:]

|  |  |
| --- | --- |
| The problem of | Music players that generate personalized playlists. |
| affects | People that listen to music |
| the impact of which is | Impacts the way people listen to music. |
| a successful solution would be | Provide an easier and more personalized way to have music that people enjoy. |

## Product Position Statement

[Provide an overall statement summarizing, at the highest level, the unique position the product intends to fill in the marketplace. The following format may be used:]

|  |  |
| --- | --- |
| For | Any customer |
| Who | Wants to listen to music |
| The (product name) | is a music player with playlist generator |
| That | Likes to have songs in playlists that can be easily created based on weather |
| Unlike | Apple Music |
| Our product | Can generate playlists depending on the outside weather. |

[A product position statement communicates the intent of the application and the importance of the project to all concerned personnel.]

# Stakeholder and User Descriptions

[To effectively provide products and services that meet your stakeholders’ and users' real needs, it is necessary to identify and involve all of the stakeholders as part of the Requirements Modeling process. You must also identify the users of the system and ensure that the stakeholder community adequately represents them. This section provides a profile of the stakeholders and users involved in the project, and the key problems that they perceive to be addressed by the proposed solution. It does not describe their specific requests or requirements as these are captured in a separate stakeholder requests artifact. Instead, it provides the background and justification for why the requirements are needed.]

The users of the system can be anyone with a smartphone who want to have a user-friendly app through which they can listen to their favorite music anytime they want. Users usually prefer music applications to be as personalized as possible, based on the environment, mood, time of day. So, the application will allow them to have a playlist that can be generated based on the weather that is outside, so they won’t be required to spend extra time to search through their songs and create a playlist, but rather be generated automatically based on their environment.

## Stakeholder Summary

[There are a number of stakeholders with an interest in the development and not all of them are end users. Present a summary list of these non-user stakeholders. (The users are summarized in section 3.2.)]

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Responsibilities** |
| [Name the stakeholder type.] | [Briefly describe the stakeholder.] | [Summarize the stakeholder’s key responsibilities with regard to the system being developed; that is, their interest as a stakeholder. For example, this stakeholder:  ensures that the system will be maintainable  ensures that there will be a market demand for the product’s features  monitors the project’s progress  approves funding  and so forth] |

## User Summary

[Present a summary list of all identified users.]

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Responsibilities** | **Stakeholder** |
| GeneralUser  Administrator User | Client  Administrator | Creates account  Plays music  produces reports  Manages application operations  Authenticates user information | [If the user is not directly represented, identify which stakeholder is responsible for representing the user’s interest.] |

## User Environment

[Detail the working environment of the target user. Here are some suggestions:

Number of people involved in completing the task? Is this changing?

How long is a task cycle? Amount of time spent in each activity? Is this changing?

Any unique environmental constraints: mobile, outdoors, in-flight, and so on?

Which systems platforms are in use today? Future platforms?

What other applications are in use? Does your application need to integrate with them?

]

The user can use the application whenever he wants to listen to a playlist and doesn’t have the time to create one on the spot, with no environmental constraints. In the future, the application can be developed for all existing platforms, like mobile, laptop, smart TV, smartwatch, etc.

# Product Requirements

[At a high level, list applicable standards, hardware or platform requirements, performance requirements, and environmental requirements.]

The application must run on a computer PC/laptop.

Playlist generation must be relatively fast, no more than a second or two to complete.

Needs to be able to store 100 songs and create multiple playlists for each user.

The application needs to access weather forecasts for any city and use it for playlist generator.

The users need to be able to create an account using their personal info and log in to that account. Each user needs to have only one account.

The users need to be able to play music on their device anytime and have constant access to the music library.