Sportifry

Vision Document

Version <2.0>

Revision History

| **Date** | **Version** | **Description** | **Author** |
| --- | --- | --- | --- |
| 26/10/2021 | 1.0 | Briefly edit the document | Tran Kha Tri |
| 8/11/2021 | 2.0 | Complete features and requirements | Tran Vinh Phat |
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Vision (Small Project)

# Introduction

This document outlines the vision for Sportifry website. The purposes of this document are to:

* Identify and agree on the problems faced by users and the problem between users and suppliers.
* Gather and demonstrate user requirements for software features.
* Propose more solutions (new developments or alternatives)
* Identify stakeholders and users.
* Identify the software development team.

The scope of the document is limited to coordination and facilitation between users and stakeholders.

# Positioning

## Problem Statement

| The problem of | Current music applications: soundcloud, spotify, youtube... |
| --- | --- |
| affects | Students and officers |
| the impact of which is | - The user experience is not really good  - In some cases, interrupting the user's ideas, affecting work performance |
| a successful solution would be | We create a software that supports the function of taking notes while listening to music, interacting with people directly |

## Product Position Statement

| For | everyone over 6 years old, especially students and officere |
| --- | --- |
| Who | love listening to music and working in a music environment |
| The (product name) | Sportifry |
| That | allows users to listen to music easily, and can take notes on work or an idea right on the software without switching tabs, people can also interact with each other via chat function |
| Unlike | Current apps are not friendly to the working model combined with entertainment. |
| Our product | satisfy the needs of young users, create inspiration while working, increase the ability to interact and exchange between people |

# Stakeholder and User Descriptions

## Stakeholder Summary

| **Name** | **Description** | **Responsibilities** |
| --- | --- | --- |
| Supervisor (TA) | Supervisors are people who support management and supervision. The main task of a supervisor is to monitor and coordinate the activities of subordinate pupils within his/her management. This user is Bui Tan Loc | By following the steps of team 6, TA will give instructions, advice as well as appropriate schedules for the team to carry out their project. |
| Project Manager  (PM) | A member of team 6. He is one of the most important members of team 6, plays the role of standing between the customer and the development team | Understanding customer needs, communicating with the team,establishing strict working processes and supervision to ensure software quality and timely delivery of projects. |
| Developer | A member of team 6, he can use programming languages to design and build the programs that the project needs | Build, design, perform the upgrade, improve the application |
| Business Analyst  (BA) | A member of team 6, he has a good soft skills and he can connect customers with the business side, the technical team of the enterprise | Work with customers, hear and understand their wishes. From there, suggest, make requirements, analyze and propose suitable solutions, build processes, document requirements and confirm information with customers. |
| Tester | A member of team 6, he has the ability to analyze, learn quickly, good communication skills and good at English | Testing software to look for bugs, errors, or any other problem that can affect the quality of the software. |

## 

## User Summary

| **Name** | **Description** | **Responsibilities** | **Stakeholder** |
| --- | --- | --- | --- |
| Admin | Who work with software system | Supporting and interacting with customer, administration. Troubleshooting for users, artists | Developer and tester |
| Suppliers | who post songs, and manage their products | composing their songs, responsible for copyright | moderators and musicians |
| Audiences | who can use app with full functions | enjoy music, express feelings about products, contribute ideas to develop products | Team lead, registered users as members |
| Non users | who can only listen to music | Not allow chat, use todolist | unregistered users |

## User Environment

**-** Our team has 5 members and will not change during the construction of the website to ensure the work performance and quality of each member.

**-** We have 2 weeks for Planning (16-23/10), 2 weeksfor Researching (30/10-6-11), 2 weeks for Designing (6/11-13/11), 3 weeks for Implementation (20/11-4/12), 1 week for Testing (11/12-18/12) and Follow up (18/12-1/1) and we won’t change to ensure the job process

**-** We haven't thought about it for a while.

## Alternatives and Competition

* The direct competitors are Soundcloud, Spotify, Youtube, Deezer and others online music platform
* The power of the listed music platforms:
* Spotify: The app features a massive music catalog, a powerful playlist manager, cross-device compatibility, and flexible paid options to suit a wide range of users.
* Youtube: YouTube is a place people go to every day, so it makes perfect sense for Google to create a music streaming service out of it. YouTube Music allows users to search and enjoy songs and music videos on YouTube based on genres, playlists and recommendations.
* Deezer is a French music streaming service that brings together everything you'd look for in a high-quality music streaming service. The application allows users to enjoy music from famous record labels in the world such as: Sony Music, Warner Music, ... on devices anytime, anywhere. Deezer currently owns 56 million copyrighted tracks and more than 30,000 different radio channels.
* Besides the strengths, these music platforms also have weaknesses such as:
* Spotify: does not support using directly on the browser, does not support the note function
* Youtube: does not support the note function, mainly focus on the video segment, not focusing on the functions for the music audience
* In addition to music playback functions like the above platforms, our team also has an additional to-do list for busy people. We also have a group chat where people can come in and exchange their favorite music as well as chat and make new friends. And most especially, our music platform does not need to pay for the best service quality*.*

# Product Features

| No. | Feature | Description | Priority |
| --- | --- | --- | --- |
| 1 | Login | This function is for users to use every time they want to access to listen to music. User's data will be stored securely and accurately in the database. | High |
| 2 | SignUp | This function is for users. Allows users to create accounts as well as passwords. And from there you can listen to music. | High |
| 3 | The detail of Songs | When the user clicks on the song, the information of the song will be displayed, including: Singer name, author name, number of views, ... Convenient for listeners to look up as well as add to the list of favorites of their own life. | High |
| 4 | Play music | This function allows the user to listen to music. Enable for all users including guests. | High |
| 5 | Search | This function allows readers to find the song they want by typing the key words in the song or maybe even typing the song title. Then it will return a list of songs with the same key words as when we entered to choose. Help listeners can quickly find the song they need without having to search for each song in the web interface. | High |
| 6 | Chat Box | This function allows listeners to chat with each other when a new music product has just been released or simply discuss a song of interest. In addition, this function can also be used as a tool to help listeners find their homophones to share their music taste. | Medium |
| 7 | Comment | This function applies for users who have an account, providing users with a way to interact with people and share their feelings about the song. | Medium |
| 8 | Removing Music | This function is for Admin, helping them to delete old, low-quality songs, banned songs, ... | High |
| 9 | Create to-do List | This function is for listeners, helping them increase their productivity at work. They allow you to capture important tasks for work or home and give you the satisfaction of ticking off a task as done. | Medium |
| 10 | Delete to-do List | Delete the current to-do list that user don't want to use | Medium |
| 11 | Display to-do List | Help users see the list of tasks included in the to do list, to arrange the appropriate schedule for the job | Medium |
| 12 | Post link musics | Allow users to share their music on the website's platform | High |
| 13 | Delete Account | This function is for the admin to delete an user account who violates the terms or engages in inappropriate conduct. | Medium |
| 14 | Create playlist | allows users to create a set of songs they like | Medium |

# Non-Functional Requirements

**Sound quality**

* Vivid sound quality, giving listeners a complete and distraction-free experience.
* Poor quality songs will be completely replaced with the latest and high quality songs.

**Websites interface**

* The website's interface is eye-catching, with soft colors that make it comfortable to look at. At the same time, the songs are intelligently arranged to help listeners easily approach and relax.

**User experience**

* Fast access speed, rarely stops while listening to music

**Database**

* The listener's information is stored securely and intelligently. The songs are also stored in the way the team chooses for the fastest retrieval