| Musicart Group |
| --- |
| Musicart  Management Plan |
| Musicart |
|  |
| **Peter Gibbons**  **Sydney Leano**  **Joshua Warhurst**  **Gautam Masand**  **William Pham**  **Ryan Noh**  **Oliver Yan** |
|  |

**Table of Contents**

[1.](#_gjdgxs) Document Version 3

[2.](#_30j0zll) Introduction 3

[2.1.](#_1fob9te) Team contact information 3

[2.2.](#_3znysh7) Stakeholders and target group 3

[3.](#_2et92p0) Goal and Vision 4

[3.1.](#_tyjcwt) Project problem statement 4

[3.2.](#_1t3h5sf) Project goal and value 4

[3.3.](#_4d34og8) Existing System 4

[3.4.](#_2s8eyo1) Alternative/Competitor Solutions 4

[4.](#_17dp8vu) Proposed Solution 5

[4.1.](#_3rdcrjn) Proposed Solution 5

[4.2.](#_1ksv4uv) High-level key features 5

[4.3.](#_44sinio) High-level Product Roadmap 5

[4.4.](#_2jxsxqh) Deliverables 6

[5.](#_z337ya) Key Assumptions 6

[5.1.](#_3j2qqm3) Non-Technical Assumptions 6

[5.2.](#_1y810tw) Technical Assumptions 6

[6.](#_4i7ojhp) Risks and Issues 7

# Document Version

| **Version** | **Description** | **Date** | **Author(s)** |
| --- | --- | --- | --- |
| **1** | *Document Created* | *10/09/2021* | *Peter Gibbons* |
| **2** | *Document Edited* | *11/09/2021* | *Everyone* |
| **3** | *Document Edited* | *17/09/2021* | *Everyone* |
| **…** |  |  |  |

# Introduction

## Team contact information

| **Name** | **Contact** |
| --- | --- |
| **Peter Gibbons** | [**gibbons.peter312@gmail.com**](mailto:gibbons.peter312@gmail.com)**, (778) 558-9299** |
| **Gautam Masand** | [**masandgautam11@gmail.com**](mailto:masandgautam11@gmail.com) **, (778) 929-2538** |
| **Joshua Warhurst** | [**jawarhurst@hotmail.com**](mailto:jawarhurst@hotmail.com)**, (778) 319-7091** |
| **Sydney Leano** | [**sydneyleano@gmail.com**](mailto:sydneyleano@gmail.com)**, (604) 313-4200** |
| **William Pham** | [**williampham100@yahoo.com**](mailto:williampham100@yahoo.com)**, (604) 809 6140** |
| **Ryan Noh** | [**rnoh96@gmail.com**](mailto:rnoh96@gmail.com)**, (604) 500-4881** |
| **Oliver Yan** | [**1996ygy@gmail.com**](mailto:1996ygy@gmail.com)**, (778) 861 8032** |
| **Adrian Chan** | [**adrianchan256@gmail.com**](mailto:adrianchan256@gmail.com) **(778) 999 2283** |
| **Jacek** | [**jjacek@musicart.pl**](mailto:jjacek@musicart.pl) |
| **Magdalena** | [**magda@goingnew.pl**](mailto:magda@goingnew.pl) |

## Stakeholders and target group

| **Individual/Group** | **Contact** | **Role** | **Needs** |
| --- | --- | --- | --- |
| JacekJastrowicz & Magdalena | E - [jjacek@musicart.pl](mailto:jjacek@musicart.pl)  P - (693)-773-700  E- [magda@goingnew.pl](mailto:magda@goingnew.pl) | Musicart Sponsors | Explain and define the goals and objectives of the project. Provide regular feedback for each deliverable. |
| Musicart | P - 44 754 720 33 25 | Sponsor company | Need a website to promote young artists from their country |
| Seyed Javadi | E - [seyed\_javadi@bcit.ca](mailto:seyed_javadi@bcit.ca) | Supervisor | Guide us and assist us during the project to help us meet all requirements for all the features. |
| BCIT | E - [citdiploma@bcit.ca](mailto:citdiploma@bcit.ca) | Project Host | Opportunity for us to gain experience working with a real client and delivering a product for their business. |

# Goal and Vision

## Project problem statement

Musicart is interested in allowing more Polish musical artists to be able to market their own music to more well known artists. With services like Streaming Famous not available in Poland, Musicart would like us to develop an application that can allow new and upcoming artists music to be seen on more well known artists playlists. Therefore, giving more opportunities for new and upcoming Polish artists to grow their own brand. While also growing the Musicart platform to be used by more artists with the availability of this service.

## Project goal and value

For Musicart to seize the opportunity to attain a service like Streaming Famous (unavailable in Poland) so more artists can use their platform to market & aid themselves to well known artists. Would make their platform more dynamic for artists, providing a value that other music organization competitors (in Poland) wouldn't have.

## Existing System

The client has no existing software. The first step that the client currently performs is finding a domain for the website.

## Alternative/Competitor Solutions

Streaming Famous is one of the existing competitors in this market, although Streaming Famous is not available in Poland.

# Proposed Solution

## Proposed Solution

We will design and create a visually appealing website that allows the user to pick songs from a library which automatically gets added to a well known spotify playlist. The website will contain a payment page where the user can buy a certain amount of play and the amount of plays will dictate the amount of songs which can be added to a playlist. This design will help new artists gain more publicity for their work by being added to a well known playlist.

To build this website we will be using Node.js to handle the backend programming along with the Express.js. For the front end we will be using HTML/EJS, Javascript, and CSS.

## High-level key features

* Search bar - Users will be able to accurately search up artists and the artists’ albums and songs. Furthermore, the website will also allow users to see a list of songs on a particular album.
* Payment - Users will be able to use the payment page directly on our website to be able to pay for the payment package they want to purchase for their song.
* Admin panel - Musicart technical will be able to login into the admin panel and check order information.
* Add songs to a playlist - This feature is going to be automatic. We will be using the Spotify API to achieve that.

## High-level Product Roadmap

| Server and website skeleton | * Create server to handle traffic and requests * Design and create basic website with no functions (not just yet) |
| --- | --- |
| Implement search/filter the data functionality | * Retrieve data from Spotify API using specific keyword (by name of the song or artist’s name) * Filter the data to display all relevant data associated with the keyword |
| Implement payment functionality | * Be able to receive payment from the user using Stripe (the online payment platform) * Musicart staff should be able to access the admin panel in order to manage payment and orders. |
| Testing and documentation | * Testing   + Test that all relevant content is being displayed dynamically and properly * Documentation   + All code is readable and has docstrings throughout   + Have proper documentation that sponsor will need after the project ends |

## Deliverables

| **Deliverable** | **Description** |
| --- | --- |
| Source code | The source code will be any code that’s been worked on and used throughout the project. All intellectual properties will be given over to our sponsor. |
| Documentation | The documentation explains how the software operates and how to use it. |
|  |  |

# Key Assumptions

## Non-Technical Assumptions

1. The client will supply a playlist of songs with the registered artists (on Musicart)
2. The client will provide the Domain name
3. The student team will have to do the GUI as well as the back and front end programming

## Technical Assumptions

1. The student team will determine the back-end technologies;
2. Project web site will use Node.js and Express.js framework;
3. Students will/(will not) have access to the client server
4. Student team will create and configure a database to retain user information

# Risks and Issues

| **Risk or Issue Description** | **Potential Impact** | **Mitigation/Resolution Steps** |
| --- | --- | --- |
| Scope creep | could have an impact on the development of key features | tell the client what is possible within the time period and what is not |
| Inaccurate Estimations | The difficulty of each feature might be underestimated. | Add an allocation factor to the estimation |
| End-user Engagement | The UX/UI design might not meet end-users expectations. | User testing and surveys |
|  |  |  |