**Requirements Engineering Report**

**Date: February 17, 2016**

**Version v1.00**

**Software Project Name**

Prescribe

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**Table of Contents**

1. Introduction
   1. Objective
   2. Scope
   3. Success Criteria
   4. Collaboration with Stakeholders
2. Project Plan
   1. WBS
   2. Project Resources
   3. Responsibility Matrix
   4. Gantt Chart
   5. Pert Chart
   6. Cost Estimation
      1. Function Point Estimation
      2. LOC Estimation
      3. Cost Estimations
   7. Risk Plan
   8. Project Monitoring & Control Mechanisms
3. Requirements & Analysis Models
   1. Major Software Functions
   2. Use Case Diagrams
   3. Use Case Descriptions
   4. Activity Diagrams
   5. Sequence Diagrams
   6. Requirements Class Models
   7. Prototype Description
   8. Data Directory
   9. Limitations & Constraints
   10. Non-functional Requirements
4. Problems Encountered
5. Bibliography
6. Introduction
   1. Project Objective

The objective of our project is to provide a web application that can aid users in the discovery of new music based on their musical preferences.

* 1. Project Scope

The user will be able to input an artist or a band into search field which will provide a similar list of artists or bands. If the user creates an account using Facebook or Google+, they will be able to give feedback to train our model by up or down voting the search results. This will help grow the machine to give better feedback to our users. The user can also post their search results to their social media page. Search results will provide the user with a list of similar bands including the bands’ information such as their biography and discography. The user also be able to favorite a band for later reference. We also want to include a top artists section that users can view to see which artists have been given the most up votes for the week, month, or year.

* 1. Success Criteria
     1. Search Functionality
     2. Rating system integration
     3. Smooth Web GUI
     4. Icon graphics
  2. Collaboration with Stakeholders

• End-Users

• Facebook

o Mark Zuckerberg

• Google

• Spotify

• Pandora

1. Project Plan
   1. Work Breakdown Structure



* 1. Project Resources
  2. Responsibility Matrix



* 1. Gantt Chart



* 1. Pert Chart



* 1. Cost Estimation
     1. Function Point Estimation
     2. Lines of Code Estimation
     3. Cost Estimation
  2. Risk Plan
  3. Project Monitoring & Control Mechanisms

1. Requirements & Analysis Models
   1. Major Software Functions
   2. Use Case Diagrams
   3. Use Case Descriptions
   4. Activity Diagrams
   5. Sequence Diagrams
   6. Requirements Class Models
   7. Prototype Description
   8. Data Directory
   9. Limitations & Constraints
   10. Non-functional Requirements
2. Problems Encountered
3. Bibliography