Requirements Engineering Report

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[You can add an abstract or other key statement here. An abstract is typically a short summary of the document content.]

**Team Name:** Team StarMony

**Software Project Name:** Prescribe

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# Introduction

## 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.

## Project ScoPe

* Input an artist or a band into search field
  + Will provide a similar list of artists or bands
* User can give feedback to train our model
  + Up or down vote
  + This will help grow the machine to give better feedback to our users
* Can create account using Facebook or Google+
  + If no account, the user can **ONLY** search
  + Can post search results to Facebook or Google+
* When band is suggested the user can discover more about the band
  + Bio, discography, etc.
* User can favorite an artist or band for later reference
* Top artists based on upvotes
  + Weekly, monthly, yearly, alltime
  + Featured artist
* Optimum stretch goal: can follow other users

## Success Criteria

* Search Functionality
* Rating system integration
* Smooth web GUI
* Icon graphics
  + Sick Beethoven Gif

## Collaboration with Stakeholders

* End-Users
* Facebook
  + Mark Zuckerberg
* Google
* Spotify
* Pandora

# Project Plan

## Work Breakdown Structure (WBS)

Insert text of WBS.

* Prescribe
  + System Engineering
  + Analysis
  + Design
  + Testing

## Project Resources

## Responsibility Matrix

## Gantt Chart

## Pert Chart

## Cost Estimation

### Function Point Estimation

### Lines of Code Estimation

### Cost Estimates

## Risk Plan

## Project Monitoring and Control Mechanisms

# Requirements/Analysis Models

## Major Software Functions

## Use Case Diagrams

## Use Case Descriptions (Fully Dressed)

## Activity Diagrams

## Sequence Diagrams

## Requirements Class Models

## Prototype Description

## Data Dictionary

## Limitations and Constraints

## Non-functional Requirements

# Problems Encountered

# Bibliography