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Music IMDB
Vision

Version 2.0

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Revision History

Date	Version	Description	Author
18/03/2018	1.0	First version of all doc	Gyarmathy Timea
31/03/2018	2.0	Corrected purpose	

Music IMDB	Version: 2.0
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<document identifier>	

Table of Contents

1.	Introduction	4
1.1	Purpose	4
1.2	Scope	4
1.3	Definitions, Acronyms, and Abbreviations	4
1.4	References	4
1.5	Overview	4
2.	Positioning	4
2.1	Problem Statement	4
2.2	Product Position Statement	4
3.	Stakeholder and User Descriptions	5
3.1	Stakeholder Summary	5
3.2	User Summary	5
3.3	User Environment	6
4.	Product Requirements	6

1. Introduction

The purpose of this document is to collect, analyze, and define high-level needs and features of the project Music IMDB¹ (Internet Music Database). It focuses on the capabilities needed by the stakeholder and the target users, and why these needs exist. The details of how the Music IMDB fulfills these needs are detailed in the use-case and supplementary specifications.

The project Music IMDB creates an internet platform for users to view and listen to officially released songs, as well as rate songs, albums and artists.

1.1 Purpose

The purpose of the system is to provide an official view on released music, albums and artists.

1.2 Scope

This project is similar to the existent IMDb, an internet movie database, which provides official descriptions, trailers and ratings about released movies. In the same manner, Music IMDb will provide information and rating, but also the possibility to listen to released music.

1.3 Definitions, Acronyms, and Abbreviations

IMDB - Internet Movie Database, is an online database of information related to world films, television programs, home videos and video games, and internet streams, including cast, production crew, personnel and fictional character biographies, plot summaries, trivia, and fan reviews and ratings. In this project name it is used as a reference that the project scope is similar, except the M could come from "Music" this time. References

1. IMDB – <http://www.imdb.com/pressroom/about/>
2. Spotify – <https://press.spotify.com/us/about/>
3. SoundCloud - <https://soundcloud.com/pages/contact>

1.4 Overview

Next, positioning, stakeholder and user descriptions will be presented.

Music IMDB	Version: 2.0
Vision	Date: 18/03/2018
<document identifier>	

2. Positioning

2.1 Problem Statement

Even though many applications exist for users to listen to music, there might be a need for an app in which the user can see details of musical pieces, artists, albums, and can rate them besides listening to it. Many times the user doesn't have time to listen to a song, yet would like to know the quality of it.

The problem of	Having a clear internet music database with details of musical compositions, artists, albums and the possibility of rating music besides listening to it. Having a quick view over rated music to see where it fits within a scale.
affects	Artists, music companies and music listeners
the impact of which is	Having an overview of a musical composition before listening to it. Having a quick reach to related music. Listening to music on a clear, concise web app. Seeing the quality of a musical piece before listening to it.
a successful solution would be	Developing an IMDB ¹ for music.

2.2 Product Position Statement

For	People who want to have a brief overview about musical pieces they didn't yet listen to; people who want to know more about songs and artists they listened to; people who want to listen to music and relax a bit
Who	Want to listen to music and see its rating
The (product name)	Music IMDB
That	Is a fast and accessible platform for listening to music and rate it; it also gives brief overviews and information about artists and albums.
Unlike	Spotify ² , SoundCloud ³
Our product	Has a brief official description, only released albums/singles (no random playlists), possibility to rate.

Besides being a fast and accessible platform for users looking for music, the displayed ratings give also artists the feedback on their composition.

3. Stakeholder and User Descriptions

3.1 Stakeholder Summary

Recording companies	Music studios who make contracts with artists and bands to record their music	Their responsibility is to finance the project throughout the development
Musical artists/ Bands	Any person/ group of persons who has released at least one song officially under the label of a recording studio	They would finance the project since it provides an official feedback on their creations

Music IMDB	Version: 2.0
Vision	Date: 18/03/2018
<document identifier>	

Marketing and sales teams	The marketing and sales teams	The marketing team is responsible with promoting the project to the public while the sales team is responsible with closing agreements with record houses for publishing their music on the platform.
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Senior managers	Upper level managers	Responsible with managing the development teams that will implement the project.
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3.2 User Summary

People who want to have a brief overview about musical pieces they didn't yet listen to	They are the end users of the system	Using the music database and rating music	
People who want to know more about songs and artists they listened to	They are the end users of the system	Using the music database and rating music	
People who want to listen to music and relax a bit	They are the end users of the system	Using the music database, listening to songs and rating music	
System administrators	They manage the music database	Responsible for adding/removing/editing information about the music stored	Marketing team – responsible for reading user feedback and sending that feedback to the engineering managers for fixes/improvements

3.3 User Environment

The IMDB is a web application targeted to all platforms that support HTML5 rendering. The application is based on a request/response model, and a user can stay logged in for any amount of time and do requests as needed (information about artists, music playback, etc.). Minimum requirements are, single core, 1Gb RAM.

4. Product Requirements

- IMDB being a web application, needs to run on the majority of supported browsers on each platform: Chrome, Firefox, Opera
- Requests must be handled with a delay of less than two seconds
- User interface built on HTML5 and JavaScript