

Software Requirements Specification

for

Online Music Management System

Version 1.0

Prepared by: Group S6_T9

ID	Name
201901076	Utsav Ladani
201901090	Pandar Mayur
201901131	Bhavya Solanki
201901304	Dev Joshi

**Dhirubhai Ambani Institute of Information and
Communication Technology**

21 Sept, 2021

Table of content

Table of content	1
Introduction	2
1.1 Purpose	2
1.2 Document Conventions	2
1.3 Intended Audience and Reading Suggestions	2
1.4 Product scope	3
1.5 Description	3

1. Introduction

1.1 Purpose

The purpose of this document is to give a detailed description of the **Online Music Management System (OMMS)**. The OMMS (Online Music Management System) is a unique software that facilitates Good user experience with synchronization of both user experience and copyrights while providing services like online music management, legal downloads, artists' management. There are several other applications available in the market(Jio Savan, Spotify etc.) that either provide some specific services or large scale integrated solutions. This Software differs from the rest in a way that we give more power to the users remaining within the copyrights circle and also some other functionality. This document is for both developers and users of this system. This software provides users to give review and rating to a song. It also provides copyright management for different songs and albums.

1.2 Document Conventions

Important terms are written in bold style.

1.3 Intended Audience and Reading Suggestions

This SRS doc is helpful for developers who want to develop a music application with an online database, Database architecture who want to make an efficient database system, Product managers, startups, etc.

This doc is written in a few sections. Product related sections are for product managers, startups, etc. These sections describe the use case of the product, user characteristics, etc. Design and architecture sections are helpful for developers to develop efficient online databases. Other sections are written with simple language so easily understood by any readers who have basic knowledge of databases..

SRS Docs includes:

1. Description of OMMS
2. System features
3. Efficient Database design
4. Security and access of Database

1.4 Product scope

People want to listen to music anywhere, anytime. To satisfy their requirement we develop OMMS, so that our collection of music is accessed by anyone, anywhere, anytime with internet connection and no need to fill device space with many songs, just select a song from the list and listen to it. We use steam to transfer music over the internet and it takes only a few KBs of space. Also the online database is very easy to maintain and update with the latest songs. Users can't download the song on his/her device without permission of the creator to preserve the copyright of music. So there is no issue related to piracy of songs.

1.5 Description

The Online Music Management System will provide a large collection of songs to every user who is connected with our service over the internet. Users can search music and/or select from a given list of songs and that song will play in the appropriate app or system (web / android / desktop). As far as the IT214 subject is concerned, this project will be database oriented. Our goal is to make efficient database design, so that maximum users can connect with our service using minimum resources.

Online Music Management System(OMMS) will help to categorize using song name, artist, albums, rating, type, time, duration, number of listener, etc. Admin will be able to add songs. Users will be able to create their favourite playlists, Download and Share songs. This system also has features for singers and authors of albums. If some other singer wants to use a song or it's lyrics in his song, He will have to take permission from the owner of that song. This system will alert the owner of a song or album when someone publishes a song or album containing the song of the owner. Based on that if he has not taken permission from the owner he will be charged a penalty.