



# Project Proposal: Music Player App

Prepared By :-

Mesanda Vinsara - JO/22/ICT5/5/0046

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## ✳ Introduction

The Music Player App project aims to develop an Android application that allows users to import and play their favorite music files. The app will provide a user-friendly interface for managing music playback, including features like importing music files, playing, pausing, and displaying the currently playing song.

## ✳ Project Objectives

Enable users to import music files from their device's storage.  
Provide basic music playback controls such as play, pause, and resume.  
Display the currently playing song and allow users to control playback from within the app.  
Ensure a smooth and intuitive user experience with a clean and responsive user interface.  
Implement error handling and robust code structure to handle various scenarios gracefully.

Features:

The Music Player App will include the following key features:

**Import Music:** Allow users to import music files from their device's storage using a file picker.

**Music Playback:** Implement basic music playback controls, including play, pause, and resume.

**Current Song Display:** Show the name and artist of the currently playing song.

**User Interface:** Design an intuitive and visually appealing user interface with appropriate buttons, text views, and icons.

**Error Handling:** Implement error handling mechanisms to provide informative messages and handle exceptions during music playback.

## ✳ Technology Stack:

The following technologies and tools will be used in the development of the Music Player App:

**Android Studio:** The primary integrated development environment for Android app development.

**Java:** The programming language for implementing the app's logic and functionality.

**MediaPlayer or ExoPlayer:** Libraries for managing music playback within the app.

**XML:** The markup language for designing the user interface layout.



## ✳ Development Timeline:

The development of the Music Player App will be divided into the following milestones:

Week 1: Project setup, UI design, and layout implementation.

Week 2: Implementing music file import functionality and integrating with the file picker.

Week 3: Implementing basic music playback controls and integrating with the MediaPlayer or ExoPlayer library.

Week 4: Displaying the currently playing song and updating the UI based on playback state changes.

Week 5: Testing, bug fixing, and refining the user interface.

Week 6: Final testing, performance optimization, and preparing for deployment.

## ✳ Project Timeline

The project will be completed in the following phases:

a. Pre-production Phase: Collecting raw footage, organizing files, and preparing a storyboard or outline for each travel video. (1 week)

b. Editing Phase: Editing and assembling the videos, incorporating visual effects, transitions, and graphics, as well as enhancing audio and applying color correction. (4 weeks)

c. Review and Feedback Phase: Sharing the edited videos with the client for feedback and making necessary revisions. (1 week)

d. Finalization Phase: Making final adjustments, exporting the videos in the desired formats, and delivering the completed videos to the client. (1 week)

## ✳ Deliverables:

The final deliverables of the Music Player App project will include:

Source code of the application.

APK file for installation on Android devices.

Documentation covering installation instructions, user guide, and code documentation.

## ✳ Future Enhancements:

The Music Player App can be further enhanced with the following features in future iterations:

Playlist Management: Allow users to create and manage playlists.

Advanced Playback Controls: Implement features like shuffle, repeat, and skip to enhance the user experience.

Online Music Streaming: Integrate with online music services to stream music within the app.

Customization Options: Provide options to customize the app's theme, player settings, and visualizations.

The Music Player App project aims to provide users with a simple yet functional music player application that allows them to enjoy their music collection on their Android devices. With its user-friendly interface and essential music playback features, the app will cater to music enthusiasts who want a convenient and enjoyable music listening experience.



## SPECIAL THANKS

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