



Synopsis

on

EasyMusic

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Name of the Guide

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1.Title of the Project

EasyMusic

2.Problem Definition

This app is developed and is showcasing the Basic Android Fundamentals and Model-View-ViewModel.

3. Requirements of the project (Functional and Performance)

Android Studio and Android Fundamentals.

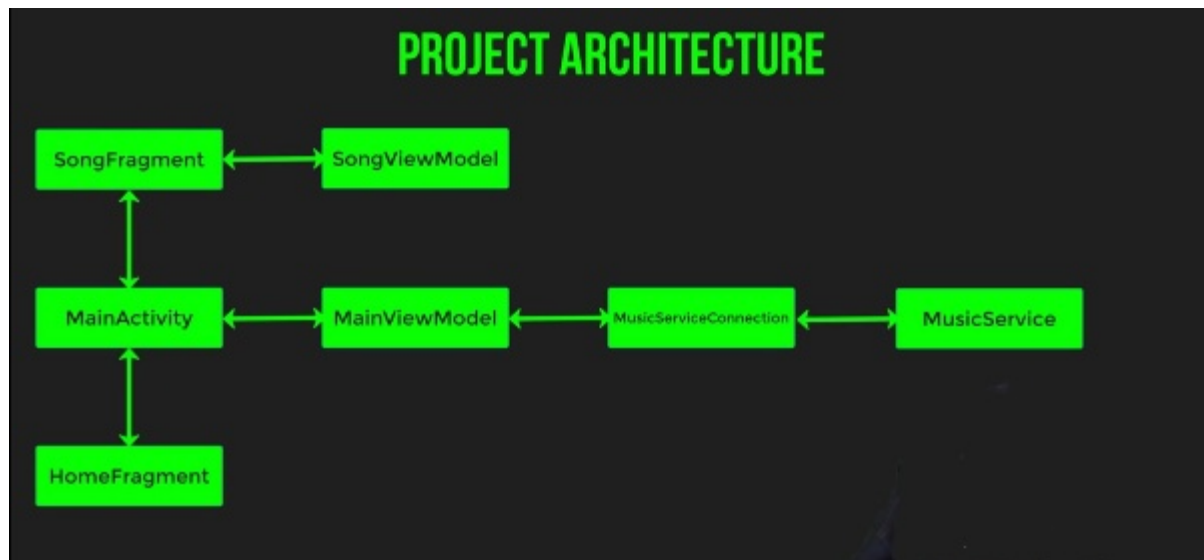
Firebase and Firebase Storage.

Model-View-ViewModel.

4.Scope of The Project

It will be a music player and substitute of Spotify.

5.Process Model



We will be using Firebase Database and Firebase Storage for the cloud hosted database. Exoplayer Dependency which will allow to stream the songs.

And we are using the MVVM model so the MainActivity will host two HomeFragment and SongFragment. HomeFragment will help to display the songs and SongFragment will help to store details of the song. And these fragments will be connected to it's respective fragment as shown in the above figure.

6.Modules in the Project (in brief)

In Android Studio Java is an auto-generated file by AAPT (Android Asset Packaging Tool) that contains resource IDs for all the resources of res/directory. If you create any component in the activity_main.xml file, id for the corresponding component is automatically created in this file

7.Minimum Software Requirements

- Android devices up and above Android 5.0(Lollipop)
- This app will run on approximately 98% of android devices.
- Java Programming Language is used to develop this project.
- Application is developed completely in Android Studio.

8.Minimum Hardware Requirement

- Minimum 4GB RAM is required to run the project.
- A good capable processor is required.

9.Limitation of the Project

Online Songs player is under development.