

Music player

ANDROID APPLICATION



**CSE 327**

Submitted To: ABH3

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INTRODUCTION

Android is open source code mobile phone operating system that comes out by Google in November 2007. Its appearance has broken the traditional closed mobile phone operating system. Anyone can modify the mobile phone operating system as well as function according to personal preference, which is also the most attractive merit of Android.

Music player based on Android application is popular in the market at the present. The completing development of Android operating system gives developers a nice platform, which can learn the popular computer technology combining with learned knowledge, and master the latest knowledge, enrich oneself, and enjoy entertainment.

PROBLEM STATEMENT

If we don’t use any music player application on android handsets it will be both very difficult and annoying for the users to perform their tasks. Lack of music player applications will guide users to enter in file manager, go to music folder and then choose music and play. Besides, they won’t have any search and filtering options. These steps will create a hustle for the users.

SOLUTION

We will design an android application which will enable the users to :

* Sign up and Login to the application
* Check recent playlist
* See the full music list
* Play, Stop, Pause Audio files (mp3)
* Search their preferences
* Create own playlist
* Notification on the home screen

TOOLS

* **JDK**：Java Runtime Environment virtual machine、Java Development Kit(JDK) Installation steps of the developing environment
* **Android Studio:** is the official integrated development environment (IDE) for Android application development. It is based on the IntelliJ IDEA, a Java integrated development environment for software, and incorporates its code editing and developer tools.

STAKEHOLDERS :

* All classes of people.

USER STORIES

* As a user I want to create an account of my own in the application so that I can have the privacy of using the app and have my playlist and works saved.
* As a user I want to see the full playlist, play, pause, stop options so that I can have full command over the application usage.
* As a user I want to search music and create my own playlist in the app so that I can have flexibility over my application.

BREAKDOWNS USER STORIES TO TASK

* Create simple & friendly user interface.
* Create welcome page
* Create login for users.
* Create help & feedback
* Create music library as home page
* Create recent activity
* Create search option in music library
* Create play, stop, pause option in player screen
* Create shuffle on/off option in player screen
* Create Thumbs up option in player screen
* Create next/previous option in player screen
* Create playlist in music library
* Create Albums in music library
* Create Artists in music library
* Create songs in music library
* Create genres in music library
* Notification on home screen
* Create log out option

FUNCTIONAL REQUIREMENTS

* Android operating system on the Smartphone.
* The target device should be sound enabled.
* Ability to play Audio file.
* Welcome Screen.
* Login, Signup Screen.
* Main Screen.
* Player Screen.