

# GROUP-5: Music Player

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## 1. Motivation and Decision:

This topic of developing a music app has come from the various reviews taken from the people who are continually involved in work without any rest. Those people almost 80% of the people needs to get refreshed in order to soothe themselves from those work tensions will be getting relaxation upon listening to music. Basing on such benefits and with an intention to relieve such kind of people to be like getting relief, we are introducing this application. In this application, one can have many options to select songs and various varieties upon their interest. Many extra features are added to our project like “Time Based Songs”, “Moods and Genres” and “Generation Based Songs”.

Firstly, the mesmerizing and interesting feature included in our app is “Time based songs” which specifies the part of the day like Morning Time or Noon Time or Evening Time or Night Time. Songs will be classified based on time and when we choose specified part of the day, songs related to that time will be displayed and we have a choice to choose the song whatever we would love to listen.

Secondly, one more attention taking feature in this app is classification of songs, basing on “Moods and Genres” like:

- Instrumental
- Rock
- Pop
- Devotional
- Classics
- Party

Thus, basing our mood, songs related to that genre will be displayed to choose a song and that will be played.

An extra feature that takes everyone’s concentration towards this app is “Generation based Songs” like:


- Old Songs
- New Songs

Sometimes people want to listen songs, basing on the age they were composed. When they are in happy mood they wish to listen New and latest songs, when they are in dull mood and want to get some inspiration from the past, then Old songs will help them. Not only this feature helps young generation, but also our previous generation. At any time, our elders may take our mobile to listen songs or will connect the mobile to the speakers, then it helps them who always love to listen old songs.

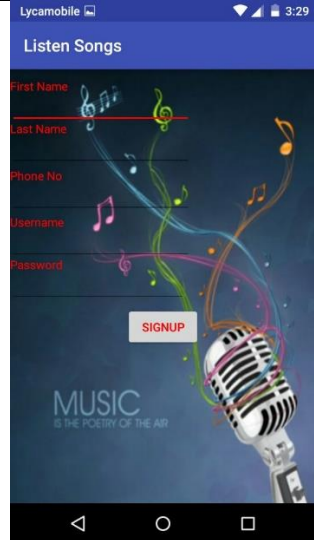
## 2. How the Music Player system works:

The Music application we have designed is user friendly and pretty easy to use. We have the android executable file or the 'apk' file which is needed by the user to install the application on their android mobile/tablets. Once user is done with it user will have the following features in our app:


### 1.Home Page:

	<p>This is the home page of our app. The home page consists of register button, login and Facebook login button. The login and Facebook login button is for users who has already registered in the application. First time user clicks on register page and fill the form.</p>
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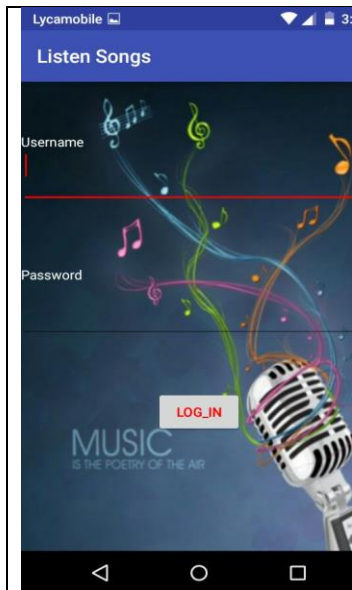
### 2.Register Page:

	<p>This is the registration page of our app. The users need to register with us and then they can use the app. The user needs to input the first name, last name, phone no, username, DOB, and password. After filling the information on the registration page user now needs to click on the register button.</p>
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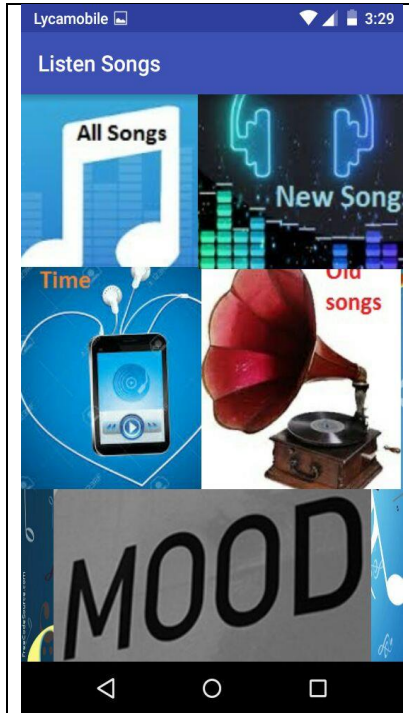
### 3. Successful registration:

	<p>When the user fills the register page form and click on register page he will be redirected to this successful registration page and now he has the option to login into the application by clicking on login page.</p>
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### 4. Login page:

	<p>This is the login page of our app. The registered user needs to enter their username and the password to login to the app.</p>
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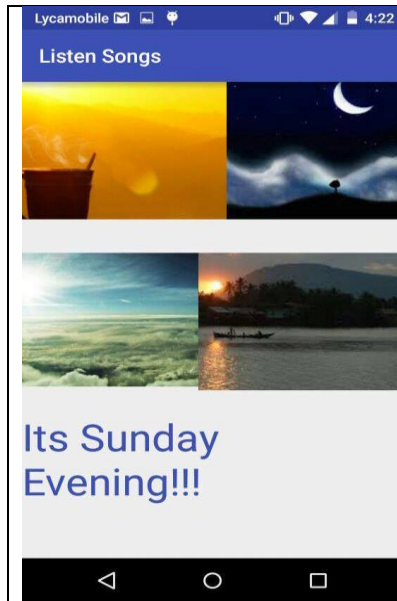
## 5. Listen songs page:

	<p>This is initial page of our music application app after the user logs in. In this page, one can see the all the features involved in this app. At first, all songs in which we can see all types of songs that we can select randomly. Then, New songs where all the latest songs will be played. Next, Time based songs which are shown below. One more type is old songs where all old songs can be seen. At last, moods and genres feature is included in songs were classified based on type of mood and genre.</p>
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## 6. All songs page:

	<p>This is the screenshot taken when the user selects a category of "All songs". Out of all songs he can select any one he wishes to listen.</p>
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## 7. Time based songs:



This is next page when we choose “Time Based Songs”. Here we have four choices to opt the part of the day to listen related songs. They are:

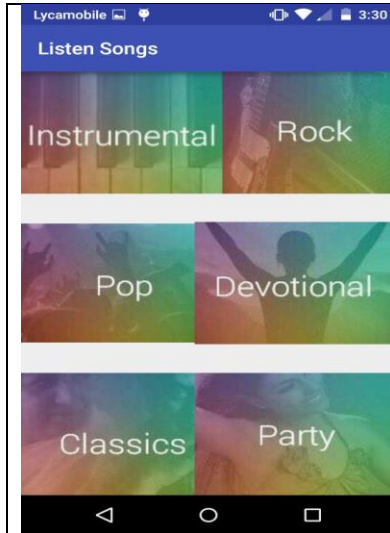
- Morning time
- Noon Time
- Evening Time
- Night Time

## 8. Playing Song from Time Based Song:



This is the screen shot of a song while it is playing from Evening Based Songs.

## 9. MOODS/GENRE Home Page:



This is initial page when we opted Moods and Genres category. Here we have six sub kinds to choose the present mood, basing on the genre songs are played.

Sub kind are:

- Instrumental
- Rock
- Pop
- Devotional
- Classics
- Party

## 10. Songs page of moods(Devotional):



This is list of songs out of all sub kind Devotional in moods category.



11. Playing Song from Devotional sub kind from Moods category



This is a screen shot taken when a song playing from Devotional sub kind in Moods and Genres category.



### **3.Error recognition and handling**

#### **Incorrect credentials:**

If user inputs wrong login credentials, then alert will pop up. In that case, the user should retype the correct credentials in order to login. During fb login if you give wrong credentials it will again ask you to re-enter which is an inbuilt feature from facebook SDK itself.

#### **Songs classification:**

Here the songs are classified into different genres or year in the application. Consider the OLD songs, here you need to have the old songs in your phone then only the old songs will be played. The same applies to the new songs as well. Here when you the songs meta data to classify the songs based on the year, there are some songs exist which don't have year in them. In such case those songs will not be listed out.