SMART Music Player

**Concept:**

To develop an android app of media player that will work on voice commands of consumer using voice recognization technique. All the basic functionalities of player will be be having command over it via voice.

**Purpose:**

The main purpose to develop such app is for disables who cannot operate mobiles.

Also in todays world every one wants simpler ways to handle various thing.

**Challenges:**

Speech recognition algorithms are mainly available for American ascents and they fail to understand other ascents. Hence, challenge will be to develop/train algorithm for indian ascent.   
  
To develop voice recognition algorithm itself then its a complex project.

**Features:**

1. Features that will be very useful for audio player on mobile are:  
   voice activated search of songs using title . e.g. "play Mere Bina"  
   voice activated search on meta data. e.g. "list Rehman's songs", "play Yanni album"  
   voice activated add to album/open album/ delete songs/email to friend/share on fb.
2. A good user friendly GUI.

The following table shows a list of the voice commands used to play music, with a description of the purpose of each.

|  |  |
| --- | --- |
| Command | Description |
| Play Anything | Used to play all media. |
| Play Music Play Media | Used to be guided through selecting music. |
| Play Album Play Artist Play Genre | Used to choose from available albums. |
| Play *album* Play *artist* Play *genre* Play album by *artist* | Used to listen to a specific album. |
| Next Track | Used to play the next track |
| Previous Track | Used to play the previous track |
| Play | Used to play the current track |
| Pause | Used to pause the current track |
| Stop | Used to stop the current track |
| Turn Shuffle On | Used to randomly play tracks. |
| Turn Shuffle Off | Used to stop randomly playing tracks. |
| What Song Is This What Track Is This | Used to hear information about the current tack. |

**Advantages:**

1. Easier to search
2. Simple to use
3. Can work in dual way.

**Software :**

Using android emulator.

Android eclipse.

**Platform:**

**Android ginger bread and above.**