

## Musica

(1) Whenever song is uploaded(manually) send notification with download link

(2) Send notification for all new releases

(But in phone put filter for only "favourite artist" , if received notification is our favourite artist then show notification)

(Store all artists and favourites in phone)

(What if there's a new artist -> update in the next version)

(Maintain same database in phone and server , cause when we send notification we will send artist id from server and it will be matched with phone's favourite artist's id , then it will show notification)

(3) Tab which shows latest releases , put download button to directly download (download should continue even if app is destroyed,download should be done in app itself)

OR

Use default downloader

(Different ways for downloading :

<http://stackoverflow.com/questions/3028306/download-a-file-with-android-and-showing-the-progress-in-a-progressdialog> )

(4) Tab which has all artists (with checkbox-> to select individual's favourite artist , so they will get notification from that particular artists only)

(5) Tab which has latest hits music(optional)

(6) Tab which shows current/previous downloads

(Option to delete/clear screen)(optional)

(User can request song)

TABS : All artists (adding into favourites)

Favourites(for quick removal)

Songs (whichever are latest in our database)

Top Charts :

Vh1Top10

BillboardTopCharts

Downloads ( show downloaded songs list  
,share button)[optional]

Settings(notification settings,automatic  
download , about us , feedback ,rate)  
Automatic download problems :  
memory full , internet not available  
)

Do we want to send notification to users for new released songs ?  
(Problem: Notification would be sent but we won't have download link as it is done manually)

New release RSS : <https://rss.itunes.apple.com/us/?urlDesc=>  
(It may be useful for developers to upload songs)

## DATABASE

\*SERVER\*

Artist(artist id,name,image(optional))

Songs(id,name,artist id,genre,album id,download link/fileItSelf,year, duration)

[Where we want to upload according to that set download link(of dropbox,...) OR direct upload  
song on server]

Album(album id,album art,album\_name,year)

User(user id,token,number\_of\_downloads)  
(User who downloads maximum songs will be moved to top){sort according to downloads}  
(So who is downloading will get earlier notification)

/\* OPTIONAL

Vh1Top10(songs id,rank)

BillboardTopCharts(songs id,rank)

\*/

\*PHONE\*

Artist(artist id,name,image(optional))  
(This should be same as server)

Songs(id,name,artist id,genre,album id,download link,year, duration)  
(Store according to downloads)

Album(album id,album art,album\_name,year)  
(Store according to downloads)

STORE THIS INTO DATA STRUCTURE (BINARY TREE/hashtable)

Downloads(songs\_id)  
Favourites (artist\_id)  
Vh1Top10(songs id, rank)  
BillboardTopCharts(songs id,rank)

BOTTOM NAVIGATION BAR : <https://material.google.com/components/bottom-navigation.html#>

<http://androidgifts.com/build-android-material-design-bottom-navigation-part-2/>

<http://androidcocktail.blogspot.in/2012/03/custom-listview-in-android.html?m=1>

Custom checkbox

<http://frogermcs.github.io/twitters-like-animation-in-android-alternative/>

<https://github.com/jd-alexander/LikeButton>

<http://stackoverflow.com/questions/471103/what-is-the-best-way-to-get-rss-feeds-into-a-mysql-database>

<http://stackoverflow.com/questions/5200811/in-android-how-do-i-smoothly-fade-the-background-from-one-color-to-another-how>