

My Project

Generated by Doxygen 1.8.9.1

Mon Apr 27 2015 14:26:49

Contents

1	(Chop)in	1
1.1	Introduction	1
2	Hierarchical Index	3
2.1	Class Hierarchy	3
3	Class Index	5
3.1	Class List	5
4	Class Documentation	7
4.1	com.chopin.MainActivity Class Reference	7
4.1.1	Member Function Documentation	9
4.1.1.1	getSongList	9
4.1.1.2	onCreate	9
4.1.1.3	onCreateOptionsMenu	9
4.1.1.4	onDoubleTap	9
4.1.1.5	onDoubleTapEvent	9
4.1.1.6	onDown	9
4.1.1.7	onFling	10
4.1.1.8	onLongPress	10
4.1.1.9	onOptionsItemSelected	10
4.1.1.10	onScroll	10
4.1.1.11	onShowPress	11
4.1.1.12	onSingleTapConfirmed	11
4.1.1.13	onSingleTapUp	11
4.1.1.14	onStart	11
4.1.1.15	onTouchEvent	11
4.1.1.16	songPicked	11
4.1.1.17	start	12
4.2	com.chopin.MusicService.MusicBinder Class Reference	12
4.3	com.chopin.MusicController Class Reference	13
4.3.1	Detailed Description	13

4.4	com.chopin.MusicService Class Reference	14
4.4.1	Detailed Description	15
4.5	com.chopin.SimpleGestureFilter Class Reference	15
4.5.1	Detailed Description	17
4.6	com.chopin.Song Class Reference	17
4.6.1	Detailed Description	17
4.7	com.chopin.SongAdapter Class Reference	17
4.7.1	Detailed Description	18
	Index	19

Chapter 1

(Chop)in

Author

Branden Romero, Mason McNutt, Slaton Spangler, Cameron Tierney

1.1 Introduction

(Chop)in is a music discovery app that enables user's to discover new music quickly.

Chapter 2

Hierarchical Index

2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

OnCompletionListener	
com.chopin.MusicService	14
OnDoubleTapListener	
com.chopin.MainActivity	7
OnErrorListener	
com.chopin.MusicService	14
OnGestureListener	
com.chopin.MainActivity	7
OnPreparedListener	
com.chopin.MusicService	14
com.chopin.Song	17
Activity	
com.chopin.MainActivity	7
BaseAdapter	
com.chopin.SongAdapter	17
Binder	
com.chopin.MusicService.MusicBinder	12
MediaController	
com.chopin.MusicController	13
MediaPlayerControl	
com.chopin.MainActivity	7
Service	
com.chopin.MusicService	14
SimpleOnGestureListener	
com.chopin.SimpleGestureFilter	15

Chapter 3

Class Index

3.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

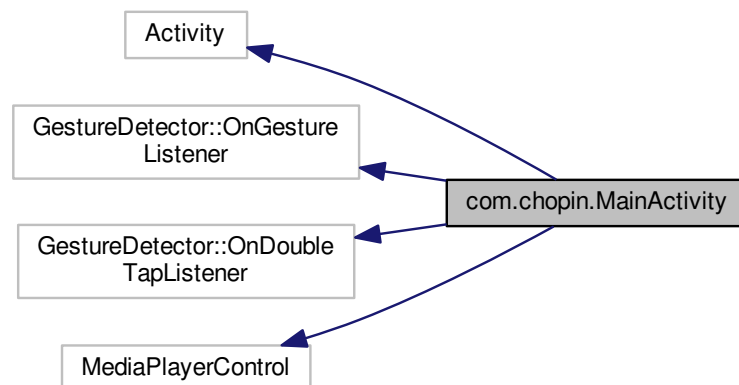
com.chopin.MainActivity	7
com.chopin.MusicService.MusicBinder	12
com.chopin.MusicController	13
com.chopin.MusicService	14
com.chopin.SimpleGestureFilter	15
com.chopin.Song	17
com.chopin.SongAdapter	17

Chapter 4

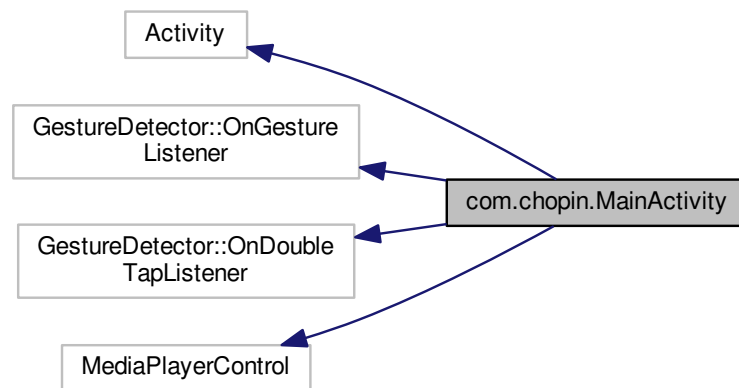
Class Documentation

4.1 com.chopin.MainActivity Class Reference

Inheritance diagram for com.chopin.MainActivity:



Collaboration diagram for com.chopin.MainActivity:



Public Member Functions

- boolean [onTouchEvent](#) (MotionEvent event)
- boolean [onDown](#) (MotionEvent event)
- boolean [onFling](#) (MotionEvent event1, MotionEvent event2, float velocityX, float velocityY)
- void [onLongPress](#) (MotionEvent event)
- boolean [onScroll](#) (MotionEvent e1, MotionEvent e2, float distanceX, float distanceY)
- void [onShowPress](#) (MotionEvent event)
- boolean [onSingleTapUp](#) (MotionEvent event)
- boolean [onDoubleTap](#) (MotionEvent event)
- boolean [onDoubleTapEvent](#) (MotionEvent event)
- boolean [onSingleTapConfirmed](#) (MotionEvent event)
- boolean [onCreateOptionsMenu](#) (Menu menu)
- boolean [onOptionsItemSelected](#) (MenuItem item)
- void [getSongList](#) ()
- void [start](#) ()
- void [pause](#) ()
- int [getDuration](#) ()
- int [getCurrentPosition](#) ()
- void [seekTo](#) (int pos)
- boolean [isPlaying](#) ()
- int [getBufferPercentage](#) ()
- boolean [canPause](#) ()
- boolean [canSeekBackward](#) ()
- boolean [canSeekForward](#) ()
- int [getAudioSessionId](#) ()
- void [songPicked](#) (View view)

Protected Member Functions

- void [onCreate](#) (Bundle savedInstanceState)
- void [onStart](#) ()
- void [onDestroy](#) ()

- void **onPause** ()
- void **onResume** ()
- void **onStop** ()

4.1.1 Member Function Documentation

4.1.1.1 void com.chopin.MainActivity.getSongList () [inline]

Used by onCreate to populate the song list using the [SongAdapter](#) and [Song](#) class

4.1.1.2 void com.chopin.MainActivity.onCreate (Bundle *savedInstanceState*) [inline],[protected]

Start-up procedure. Sets song list as start page and populates the song list.

Parameters

<i>savedInstanceState</i>	Android default
---------------------------	-----------------

4.1.1.3 boolean com.chopin.MainActivity.onCreateOptionsMenu (Menu *menu*) [inline]

Default Android method for menus

Parameters

<i>menu</i>	The menu created by android
-------------	-----------------------------

Returns

4.1.1.4 boolean com.chopin.MainActivity.onDoubleTap (MotionEvent *event*) [inline]

Parameters

<i>event</i>	Filtered gesture movement
--------------	---------------------------

Returns

4.1.1.5 boolean com.chopin.MainActivity.onDoubleTapEvent (MotionEvent *event*) [inline]

Parameters

<i>event</i>	Filtered gesture movement
--------------	---------------------------

Returns

4.1.1.6 boolean com.chopin.MainActivity.onDown (MotionEvent *event*) [inline]

After a gesture is caught and the motion is picked up as a downward motion it does nothing.

Parameters

<i>event</i>	Filtered gesture movement
--------------	---------------------------

Returns

4.1.1.7 `boolean com.chopin.MainActivity.onFling (MotionEvent event1, MotionEvent event2, float velocityX, float velocityY)`
[inline]

If the onTouchEvent catches a horizontal gesture, it plays next song.

Parameters

<i>event1</i>	Gesture event
<i>event2</i>	Gesture event
<i>velocityX</i>	Length of the swipe in the X-direction
<i>velocityY</i>	distanceY Length of the swipe in the Y-direction

Returns

4.1.1.8 `void com.chopin.MainActivity.onLongPress (MotionEvent event)` [inline]

If the onTouchEvent catches a long press, then it will pause the music.

Parameters

<i>event</i>	Filtered gesture movement
--------------	---------------------------

4.1.1.9 `boolean com.chopin.MainActivity.onOptionsItemSelected (MenuItem item)` [inline]

Performs operation on menu item select

Parameters

<i>item</i>	Items in the menu to be selected
-------------	----------------------------------

Returns

4.1.1.10 `boolean com.chopin.MainActivity.onScroll (MotionEvent e1, MotionEvent e2, float distanceX, float distanceY)`
[inline]

Will be implemented for menus.

Parameters

<i>e1</i>	Gesture event
-----------	---------------

<i>e2</i>	Gesture event
<i>distanceX</i>	Length of the swipe in the X-direction
<i>distanceY</i>	Length of the swipe in the Y-direction

Returns

4.1.1.11 `void com.chopin.MainActivity.onShowPress (MotionEvent event)` [inline]

Parameters

<i>event</i>	Filtered gesture movement
--------------	---------------------------

4.1.1.12 `boolean com.chopin.MainActivity.onSingleTapConfirmed (MotionEvent event)` [inline]

Parameters

<i>event</i>	Filtered gesture movement
--------------	---------------------------

Returns

4.1.1.13 `boolean com.chopin.MainActivity.onSingleTapUp (MotionEvent event)` [inline]

Parameters

<i>event</i>	Filtered gesture movement
--------------	---------------------------

Returns

4.1.1.14 `void com.chopin.MainActivity.onStart ()` [inline], [protected]

Sets up the music player

4.1.1.15 `boolean com.chopin.MainActivity.onTouchEvent (MotionEvent event)` [inline]

Catches all gestures.

Parameters

<i>event</i>	Filtered gesture movement
--------------	---------------------------

Returns

4.1.1.16 `void com.chopin.MainActivity.songPicked (View view)` [inline]

Parameters

<i>view</i>	Song list view.
-------------	---------------------------------

4.1.1.17 `void com.chopin.MainActivity.start () [inline]`

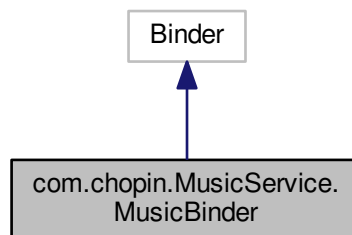
Plays the song at which the music cursor is placed.

The documentation for this class was generated from the following file:

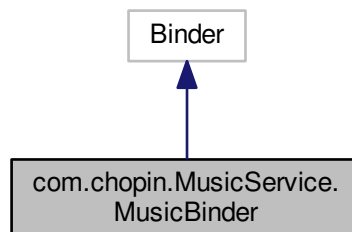
- MainActivity.java

4.2 com.chopin.MusicService.MusicBinder Class Reference

Inheritance diagram for com.chopin.MusicService.MusicBinder:



Collaboration diagram for com.chopin.MusicService.MusicBinder:

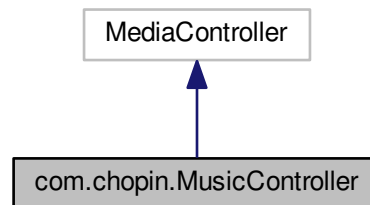


The documentation for this class was generated from the following file:

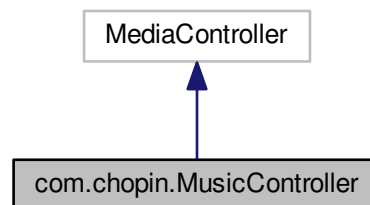
- MusicService.java

4.3 com.chopin.MusicController Class Reference

Inheritance diagram for com.chopin.MusicController:



Collaboration diagram for com.chopin.MusicController:



Public Member Functions

- **MusicController** (Context c)
- void **hide** ()

4.3.1 Detailed Description

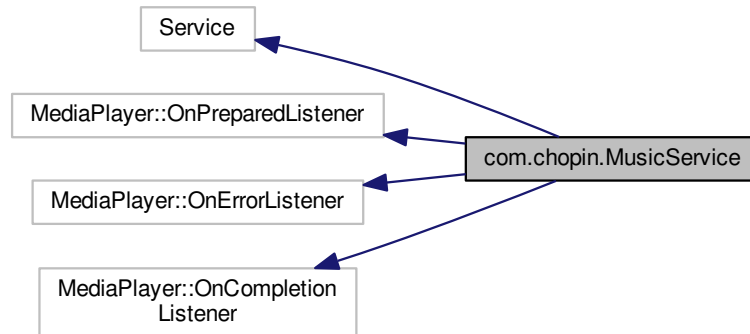
Created by branden on 3/4/15.

The documentation for this class was generated from the following file:

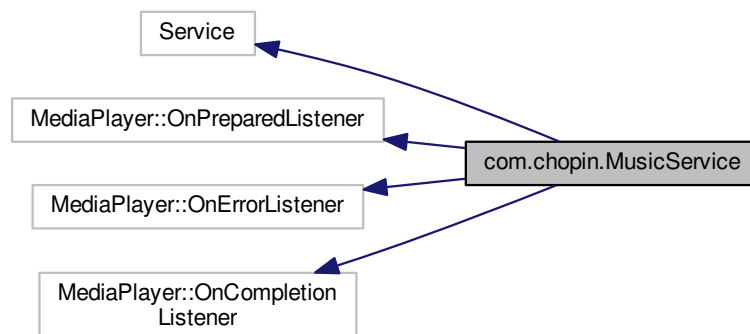
- MusicController.java

4.4 com.chopin.MusicService Class Reference

Inheritance diagram for com.chopin.MusicService:



Collaboration diagram for com.chopin.MusicService:



Classes

- class [MusicBinder](#)

Public Member Functions

- void **onCreate** ()
- void **initMediaPlayer** ()
- void **setList** (ArrayList< [Song](#) > theSongs)
- IBinder **onBind** (Intent arg0)
- boolean **onUnbind** (Intent intent)
- void **onCompletion** (MediaPlayer mp)
- boolean **onError** (MediaPlayer mp, int what, int extra)

- void **onPrepared** (MediaPlayer mp)
- void **setSong** (int songIndex)
- void **playSong** ()
- int **getPosn** ()
- int **getDur** ()
- boolean **isPng** ()
- void **pausePlayer** ()
- void **seek** (int posn)
- void **go** ()
- void **playPrev** ()
- void **playNext** ()
- void **onDestroy** ()
- int **getSongPosn** ()

4.4.1 Detailed Description

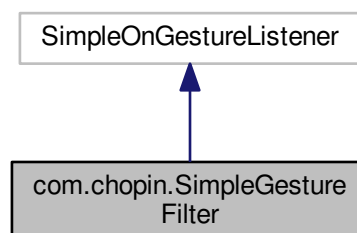
Created by branden on 3/4/15.

The documentation for this class was generated from the following file:

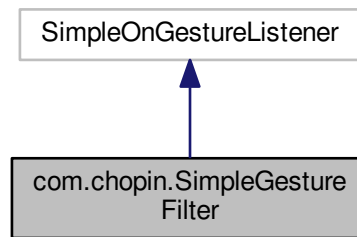
- MusicService.java

4.5 com.chopin.SimpleGestureFilter Class Reference

Inheritance diagram for com.chopin.SimpleGestureFilter:



Collaboration diagram for com.chopin.SimpleGestureFilter:



Classes

- interface **SimpleGestureListener**

Public Member Functions

- **SimpleGestureFilter** (Activity context, SimpleGestureListener sgl)
- void **onTouchEvent** (MotionEvent event)
- void **setMode** (int m)
- int **getMode** ()
- void **setEnabled** (boolean status)
- void **setSwipeMaxDistance** (int distance)
- void **setSwipeMinDistance** (int distance)
- void **setSwipeMinVelocity** (int distance)
- int **getSwipeMaxDistance** ()
- int **getSwipeMinDistance** ()
- int **getSwipeMinVelocity** ()
- boolean **onFling** (MotionEvent e1, MotionEvent e2, float velocityX, float velocityY)
- boolean **onSingleTapUp** (MotionEvent e)
- boolean **onDoubleTap** (MotionEvent arg)
- boolean **onDoubleTapEvent** (MotionEvent arg)
- boolean **onSingleTapConfirmed** (MotionEvent arg)

Static Public Attributes

- static final int **SWIPE_UP** = 1
- static final int **SWIPE_DOWN** = 2
- static final int **SWIPE_LEFT** = 3
- static final int **SWIPE_RIGHT** = 4
- static final int **MODE_TRANSPARENT** = 0
- static final int **MODE_SOLID** = 1
- static final int **MODE_DYNAMIC** = 2

4.5.1 Detailed Description

Created by mason on 4/14/2015.

The documentation for this class was generated from the following file:

- SimpleGestureFilter.java

4.6 com.chopin.Song Class Reference

Public Member Functions

- **Song** (long songID, String songTitle, String songArtist)
- long **getID** ()
- String **getTitle** ()
- String **getArtist** ()
- [Song](#) **nextSong** ()

4.6.1 Detailed Description

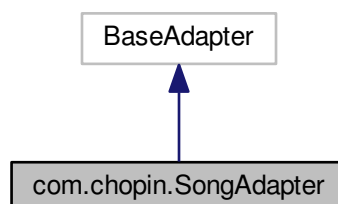
Created by branden on 2/27/15.

The documentation for this class was generated from the following file:

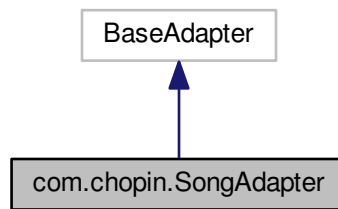
- Song.java

4.7 com.chopin.SongAdapter Class Reference

Inheritance diagram for com.chopin.SongAdapter:



Collaboration diagram for com.chopin.SongAdapter:



Public Member Functions

- **SongAdapter** (Context c, ArrayList< [Song](#) > theSongs)
- int **getCount** ()
- Object **getItem** (int arg0)
- long **getItemId** (int arg0)
- View **getView** (int position, View convertView, ViewGroup parent)

4.7.1 Detailed Description

Created by branden on 2/27/15.

The documentation for this class was generated from the following file:

- SongAdapter.java

Index

- com.chopin.MainActivity, [7](#)
- com.chopin.MusicController, [13](#)
- com.chopin.MusicService, [14](#)
- com.chopin.MusicService.MusicBinder, [12](#)
- com.chopin.SimpleGestureFilter, [15](#)
- com.chopin.Song, [17](#)
- com.chopin.SongAdapter, [17](#)
- com::chopin::MainActivity
 - getSongList, [9](#)
 - onCreate, [9](#)
 - onCreateOptionsMenu, [9](#)
 - onDoubleTap, [9](#)
 - onDoubleTapEvent, [9](#)
 - onDown, [9](#)
 - onFling, [10](#)
 - onLongPress, [10](#)
 - onOptionsItemSelected, [10](#)
 - onScroll, [10](#)
 - onShowPress, [11](#)
 - onSingleTapConfirmed, [11](#)
 - onSingleTapUp, [11](#)
 - onStart, [11](#)
 - onTouchEvent, [11](#)
 - songPicked, [11](#)
 - start, [12](#)
- getSongList
 - com::chopin::MainActivity, [9](#)
- onCreate
 - com::chopin::MainActivity, [9](#)
- onCreateOptionsMenu
 - com::chopin::MainActivity, [9](#)
- onDoubleTap
 - com::chopin::MainActivity, [9](#)
- onDoubleTapEvent
 - com::chopin::MainActivity, [9](#)
- onDown
 - com::chopin::MainActivity, [9](#)
- onFling
 - com::chopin::MainActivity, [10](#)
- onLongPress
 - com::chopin::MainActivity, [10](#)
- onOptionsItemSelected
 - com::chopin::MainActivity, [10](#)
- onScroll
 - com::chopin::MainActivity, [10](#)
- onShowPress
 - com::chopin::MainActivity, [11](#)
- onSingleTapConfirmed
 - com::chopin::MainActivity, [11](#)
- onSingleTapUp
 - com::chopin::MainActivity, [11](#)
- onStart
 - com::chopin::MainActivity, [11](#)
- onTouchEvent
 - com::chopin::MainActivity, [11](#)
- songPicked
 - com::chopin::MainActivity, [11](#)
- start
 - com::chopin::MainActivity, [12](#)