

SocialProximityLibrary

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7.12 src/com/social/proximity/SocialWeight.java File Reference	51
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Chapter 1

Namespace Index

1.1 Packages

Here are the packages with brief descriptions (if available):

com	9
com.social	9
com.social.proximity	9

Chapter 2

Hierarchical Index

2.1 Class Hierarchy

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

com.social.proximity.BTDeviceFinder	13
com.social.proximity.BTManager	13
com.social.proximity.BTUserDevAverageEncounterDuration	16
com.social.proximity.BTUserDevEncounterDuration	18
com.social.proximity.BTUserDevice	19
com.social.proximity.BTUserDevSocialWeight	21
com.social.proximity.ChangeListener	22
com.social.proximity.DataBaseChangeListener	23
com.social.proximity.DatabaseFunctions	24
com.social.proximity.SocialProximity	32
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com.social.proximity.SocialProximity.CustomComparator	23
Parcelable	
com.social.proximity.SocialWeight	35
SQLiteOpenHelper	
com.social.proximity.SQLiteHelper	38

Chapter 3

Class Index

3.1 Class List

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

com.social.proximity.BTDeviceFinder	13
com.social.proximity.BTManager	13
com.social.proximity.BTUserDevAverageEncounterDuration	16
com.social.proximity.BTUserDevEncounterDuration	18
com.social.proximity.BTUserDevice	19
com.social.proximity.BTUserDevSocialWeight	21
com.social.proximity.ChangeListener	22
com.social.proximity.SocialProximity.CustomComparator	23
com.social.proximity.DataBaseChangeListener	23
com.social.proximity.DatabaseFunctions	24
com.social.proximity.OnNewHourUpdate	31
com.social.proximity.SocialProximity	32
com.social.proximity.SocialWeight	35
com.social.proximity.SQLiteHelper	38

Chapter 4

File Index

4.1 File List

Here is a list of all files with brief descriptions:

src/com/social/proximity/ BTDeviceFinder.java	49
src/com/social/proximity/ BTManager.java	49
src/com/social/proximity/ BTUserDevAverageEncounterDuration.java	49
src/com/social/proximity/ BTUserDevEncounterDuration.java	50
src/com/social/proximity/ BTUserDevice.java	50
src/com/social/proximity/ BTUserDevSocialWeight.java	50
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src/com/social/proximity/ DataBaseChangeListener.java	50
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src/com/social/proximity/ SocialProximity.java	51
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src/com/social/proximity/ SQLiteHelper.java	52

Chapter 5

Namespace Documentation

5.1 Package com

Packages

- package [social](#)

5.2 Package com.social

Packages

- package [proximity](#)

5.3 Package com.social.proximity

Classes

- interface [BTDeviceFinder](#)
- class [BTManager](#)
- class [BTUserDevAverageEncounterDuration](#)
- class [BTUserDevEncounterDuration](#)
- class [BTUserDevice](#)
- class [BTUserDevSocialWeight](#)
- interface [ChangeListener](#)
- interface [DataBaseChangeListener](#)
- class [DatabaseFunctions](#)
- class [OnNewHourUpdate](#)
- class [SocialProximity](#)
- class [SocialWeight](#)
- class [SQLiteHelper](#)

5.3.1 Detailed Description

[BTDeviceFinder](#) provides the interface between [BTManager](#) and [SocialProximity](#).

Author

Waldir Moreira (COPELABS/ULHT) waldir.junior@ulusofona.pt

Version

0.1

[BTManager](#) provides some methods to provide extended functionality to the android BluetoothAdapter.

Author

Waldir Moreira (COPELABS/ULHT) waldir.junior@ulusofona.pt

Version

0.1

[BTUserDevAverageEncounterDuration](#) holds the average duration of encounter between a peer and the user device in specific time slots. The information kept are device MAC address and average encounter duration.

Author

Waldir Moreira (ULHT) waldir.junior@ulusofona.pt

Version

0.1

[BTUserDevEncounterDuration](#) holds the encounter duration between a peer and the user device in specific time slots. The information kept are device MAC address and time spent in the vicinity (i.e., total time within communication range).

Author

Waldir Moreira (ULHT) waldir.junior@ulusofona.pt

Version

0.1

[BTUserDevice](#) represents a user device found by means of Bluetooth. The information kept are device name, MAC address, and time of first encounter.

Author

Waldir Moreira (ULHT) waldir.junior@ulusofona.pt

Version

0.1

[BTUserDevSocialWeight](#) holds the social weight between a peer and the user device in specific time slots. The information kept are device MAC address and social weight.

Author

Waldir Moreira (ULHT) waldir.junior@ulusofona.pt

Version

0.1

[ChangeListener](#) provides the interface between Service and [SocialWeight](#) classes.

Author

Waldir Moreira (COPELABS/ULHT) waldir.junior@ulusofona.pt

Version

0.1

[DataBaseChangeListener](#) provides the interface between [OnNewHourUpdate](#) and [BTUserDevice](#), [BTUserDev↔EncounterDuration](#), [BTUserDevAverageEncounterDuration](#), and [BTUserDevSocialWeight](#) classes.

Author

Waldir Moreira (COPELABS/ULHT) waldir.junior@ulusofona.pt

Version

0.1

[DatabaseFunctions](#) provides all the functions to handle the necessary tables for social proximity computations in the provided database.

Author

Waldir Moreira (COPELABS/ULHT) waldir.junior@ulusofona.pt

Version

0.1

[OnNewHourUpdate](#) is responsible for the updates on encounter time, encounter duration, average encounter duration and social weight. These updates take place at every new hour.

Author

Waldir Moreira (COPELABS/ULHT) waldir.junior@ulusofona.pt

Version

0.1

[SocialProximity](#) contains the core functionalities for the computation of social proximity prior to storing the required information in the provided database.

Author

Waldir Moreira (ULHT) waldir.junior@ulusofona.pt

Version

0.1

[SocialWeight](#) is a parcelable class that allows to get Bluetooth device information (MAC address, name, and social weight) upon changes in the datadabe.

Author

Waldir Moreira (ULHT) `waldir.junior@ulusofona.pt`

Version

0.1

[SQLiteHelper](#) provides all the functions to create the necessary tables for social proximity computations in the provided database.

Author

Waldir Moreira (COPELABS/ULHT) `waldir.junior@ulusofona.pt`

Version

0.1

Chapter 6

Class Documentation

6.1 com.social.proximity.BTDeviceFinder Interface Reference

Inherited by com.social.proximity.SocialProximity.ServiceBTListener.

Public Member Functions

- void [onDeviceFound](#) (BluetoothDevice device, BluetoothClass btClass)

6.1.1 Member Function Documentation

6.1.1.1 void com.social.proximity.BTDeviceFinder.onDeviceFound (BluetoothDevice *device*, BluetoothClass *btClass*)

Creates the entries for a specific peer in the database.

Parameters

<i>device</i>	The Bluetooth device found and respective information (MAC address, name, among others).
<i>btClass</i>	The characteristics and capabilities of the found Bluetooth device.

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

- src/com/social/proximity/[BTDeviceFinder.java](#)

6.2 com.social.proximity.BTManager Class Reference

Classes

- class **adapterBroadcastReceiver**
- class **FindBluetoothDevice**

Public Member Functions

- [BTManager](#) (Context c)
- void [close](#) (Context c)
- void [startPeriodicScanning](#) ()
- boolean [isBTEnabled](#) ()
- boolean [enableBT](#) ()
- boolean [startDiscovery](#) ()

- void [setOnBTChangeListener](#) ([BTDeviceFinder](#) listener)
- void [clearOnBTChangeListener](#) ()

Public Attributes

- boolean [isScanningActive](#) = false
- boolean [isWaitingScanResults](#) = false

Static Public Attributes

- static int [DISCOVER_INTERVAL](#) = 20000

Private Member Functions

- void [stopPeriodicScanning](#) ()
- void [writeToSD](#) (String text)

Private Attributes

- Context [mContext](#)
- BluetoothAdapter [androidBTAdapter](#)
- FindBluetoothDevice [BTDevFinder](#)
- adapterBroadcastReceiver [adapterReceiver](#)
- [BTDeviceFinder](#) listener
- Handler [mHandler](#) = new Handler()
- Runnable [runScan](#)

Static Private Attributes

- static final String [TAG](#) = "BTManager"
- static boolean [mBTisTurningOnOff](#) = false

6.2.1 Constructor & Destructor Documentation

6.2.1.1 [com.social.proximity.BTManager.BTManager](#) (Context *c*)

[BTManager](#) constructor.

Parameters

<i>c</i>	The context which provides access to resources and specific classes of the application.
----------	---

6.2.2 Member Function Documentation

6.2.2.1 void [com.social.proximity.BTManager.clearOnBTChangeListener](#) ()

Clear the listener for Bluetooth-related actions.

6.2.2.2 void [com.social.proximity.BTManager.close](#) (Context *c*)

Stops Bluetooth-related tasks (i.e., scanning, unregister broadcast receivers).

Parameters

<i>c</i>	The context which provides access to resources and specific classes of the application.
----------	---

6.2.2.3 `boolean com.social.proximity.BTManager.enableBT ()`

Enables Bluetooth.

Returns

true if Bluetooth is successfully enabled.

6.2.2.4 `boolean com.social.proximity.BTManager.isBTEnabled ()`

Checks whether Bluetooth is enabled.

Returns

true if Bluetooth is enabled.

6.2.2.5 `void com.social.proximity.BTManager.setOnBTChangeListener (BTDeviceFinder listener)`

Sets the listener for Bluetooth-related actions.

Parameters

<i>listener</i>	The listener for the action.
-----------------	------------------------------

6.2.2.6 `boolean com.social.proximity.BTManager.startDiscovery ()`

Starts the discovery process.

Returns

true if process successfully started.

6.2.2.7 `void com.social.proximity.BTManager.startPeriodicScanning ()`

Starts periodic scanning for Bluetooth-enabled devices.

6.2.2.8 `void com.social.proximity.BTManager.stopPeriodicScanning ()` `[private]`

Stops periodic scanning for Bluetooth-enabled devices.

6.2.2.9 `void com.social.proximity.BTManager.writeToSD (String text)` `[private]`

Writes on a file for Bluetooth debugging.

6.2.3 Member Data Documentation

- 6.2.3.1 `adapterBroadcastReceiver` `com.social.proximity.BTManager.adapterReceiver` [private]
- 6.2.3.2 `BluetoothAdapter` `com.social.proximity.BTManager.androidBTAdapter` [private]
- 6.2.3.3 `FindBluetoothDevice` `com.social.proximity.BTManager.BTDevFinder` [private]
- 6.2.3.4 `int` `com.social.proximity.BTManager.DISCOVER_INTERVAL = 20000` [static]
- 6.2.3.5 `boolean` `com.social.proximity.BTManager.isScanningActive = false`
- 6.2.3.6 `boolean` `com.social.proximity.BTManager.isWaitingScanResults = false`
- 6.2.3.7 `BTDeviceFinder` `com.social.proximity.BTManager.listener` [private]
- 6.2.3.8 `boolean` `com.social.proximity.BTManager.mBTisTurningOnOff = false` [static], [private]
- 6.2.3.9 `Context` `com.social.proximity.BTManager.mContext` [private]
- 6.2.3.10 `Handler` `com.social.proximity.BTManager.mHandler = new Handler()` [private]
- 6.2.3.11 `Runnable` `com.social.proximity.BTManager.runScan` [private]

Initial value:

```
= new Runnable() {
    public void run() {
        if (isScanningActive) {
            if (!isBTEnabled()) {
                if (enableBT()) {
                    stopPeriodicScanning();
                } else {
                    Toast.makeText(mContext, "Error enabling BT. Closing Social Pipeline.",
                        Toast.LENGTH_SHORT).show();
                    close(mContext);
                }
                return;
            }
            if (!isWaitingScanResults && isBTEnabled()) {
                if (startDiscovery()) {
                    isWaitingScanResults = true;
                }
                mHandler.postDelayed(runScan,
                    DISCOVER_INTERVAL);
            } else if (isWaitingScanResults) {
                mHandler.postDelayed(runScan,
                    DISCOVER_INTERVAL);
                isWaitingScanResults = false;
            }
        }
    }
}
```

- 6.2.3.12 `final String` `com.social.proximity.BTManager.TAG = "BTManager"` [static], [private]

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

- [src/com/social/proximity/BTManager.java](#)

6.3 `com.social.proximity.BTUserDevAverageEncounterDuration` Class Reference

Public Member Functions

- String [getDevAdd](#) ()
- double [getAverageEncounterDuration](#) (int timeSlot)
- void [setDevAdd](#) (String DevAdd)
- void [setAverageEncounterDuration](#) (int timeSlot, double avgEncounterDuration)
- [BTUserDevAverageEncounterDuration](#) ()

Private Attributes

- String [deviceAdd](#)
- double[] [averageEncounterDuration](#) = new double [24]

6.3.1 Constructor & Destructor Documentation

6.3.1.1 com.social.proximity.BTUserDevAverageEncounterDuration.BTUserDevAverageEncounterDuration ()

BT User Device Average Encounter Duration Constructor.

6.3.2 Member Function Documentation

6.3.2.1 double com.social.proximity.BTUserDevAverageEncounterDuration.getAverageEncounterDuration (int *timeSlot*)

Gets the average encounter duration that the BT device is within communication range.

Parameters

<i>timeSlot</i>	Specific time slot.
-----------------	---------------------

Returns

averageEncounterDuration The average encounter duration in the given slot.

6.3.2.2 String com.social.proximity.BTUserDevAverageEncounterDuration.getDevAdd ()

Gets the MAC address of this Bluetooth device.

Returns

deviceAdd the device address to be used as key.

6.3.2.3 void com.social.proximity.BTUserDevAverageEncounterDuration.setAverageEncounterDuration (int *timeSlot*, double *avgEncounterDuration*)

Sets the average duration that the BT device is within communication range.

Parameters

<i>timeSlot</i>	Specific time slot.
<i>avgEncounterDuration</i>	The average duration of encounter.

6.3.2.4 void com.social.proximity.BTUserDevAverageEncounterDuration.setDevAdd (String *DevAdd*)

Sets the ID of this Bluetooth device.

Parameters

<i>DevAdd</i>	the MAC address of device to set.
---------------	-----------------------------------

6.3.3 Member Data Documentation

6.3.3.1 `double [] com.social.proximity.BTUserDevAverageEncounterDuration.averageEncounterDuration = new double [24]`
`[private]`

6.3.3.2 `String com.social.proximity.BTUserDevAverageEncounterDuration.deviceAdd` `[private]`

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

- [src/com/social/proximity/BTUserDevAverageEncounterDuration.java](#)

6.4 com.social.proximity.BTUserDevEncounterDuration Class Reference

Public Member Functions

- `String getDevAdd ()`
- `double getEncounterDuration (int timeSlot)`
- `void setDevAdd (String DevAdd)`
- `void setEncounterDuration (int timeSlot, double encounterDuration)`
- `BTUserDevEncounterDuration ()`

Private Attributes

- `String deviceAdd`
- `double[] encounterDuration = new double [24]`

6.4.1 Constructor & Destructor Documentation

6.4.1.1 `com.social.proximity.BTUserDevEncounterDuration.BTUserDevEncounterDuration ()`

BT User Device Encounter Duration Constructor.

6.4.2 Member Function Documentation

6.4.2.1 `String com.social.proximity.BTUserDevEncounterDuration.getDevAdd ()`

Gets the MAC address of this Bluetooth device.

Returns

deviceAdd The device address to be used as key.

6.4.2.2 `double com.social.proximity.BTUserDevEncounterDuration.getEncounterDuration (int timeSlot)`

Gets the duration that the BT device is within communication range.

Parameters

<i>timeSlot</i>	Specific time slot.
-----------------	---------------------

Returns

encounterDuration The encounter duration in the given slot.

6.4.2.3 void com.social.proximity.BTUserDevEncounterDuration.setDevAdd (String *DevAdd*)

Sets the ID of this Bluetooth device.

Parameters

<i>DevAdd</i>	the MAC address of device to set.
---------------	-----------------------------------

6.4.2.4 void com.social.proximity.BTUserDevEncounterDuration.setEncounterDuration (int *timeSlot*, double *encounterDuration*)

Sets the duration that the BT device is within communication range.

Parameters

<i>timeSlot</i>	Specific time slot.
<i>encounterDuration</i>	The duration of encounter.

6.4.3 Member Data Documentation

6.4.3.1 String com.social.proximity.BTUserDevEncounterDuration.deviceAdd [private]

6.4.3.2 double [] com.social.proximity.BTUserDevEncounterDuration.encounterDuration = new double [24] [private]

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

- [src/com/social/proximity/BTUserDevEncounterDuration.java](#)

6.5 com.social.proximity.BTUserDevice Class Reference

Public Member Functions

- String [getDevAdd](#) ()
- String [getDevName](#) ()
- long [getEncounterStart](#) ()
- void [setDevAdd](#) (String DevAdd)
- void [setDevName](#) (String DevName)
- void [setEncounterTime](#) (long time)
- [BTUserDevice](#) ()

Private Attributes

- String [deviceAdd](#)
- String [deviceName](#)
- long [encounterTime](#)

6.5.1 Constructor & Destructor Documentation

6.5.1.1 `com.social.proximity.BTUserDevice.BTUserDevice ()`

Bluetooth User Device Constructor.

6.5.2 Member Function Documentation

6.5.2.1 `String com.social.proximity.BTUserDevice.getDevAdd ()`

Gets the MAC address of this Bluetooth device.

Returns

`deviceAdd` The device address.

6.5.2.2 `String com.social.proximity.BTUserDevice.getDevName ()`

Gets the name of this Bluetooth device.

Returns

`deviceName` The device name.

6.5.2.3 `long com.social.proximity.BTUserDevice.getEncounterStart ()`

Gets the time that the BT device is first found.

Returns

`encounterTime` The start time of encounter.

6.5.2.4 `void com.social.proximity.BTUserDevice.setDevAdd (String DevAdd)`

Sets the ID of this Bluetooth device.

Parameters

<i>DevAdd</i>	The MAC address of device to set.
---------------	-----------------------------------

6.5.2.5 `void com.social.proximity.BTUserDevice.setDevName (String DevName)`

Sets the name of this Bluetooth device.

Parameters

<i>DevName</i>	The name of device to set.
----------------	----------------------------

6.5.2.6 `void com.social.proximity.BTUserDevice.setEncounterTime (long time)`

Sets the time that the BT device is first found.

Parameters

<i>time</i>	The time of first encounter.
-------------	------------------------------

6.5.3 Member Data Documentation

6.5.3.1 String com.social.proximity.BTUserDevice.deviceAdd [private]

6.5.3.2 String com.social.proximity.BTUserDevice.deviceName [private]

6.5.3.3 long com.social.proximity.BTUserDevice.encounterTime [private]

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

- src/com/social/proximity/[BTUserDevice.java](#)

6.6 com.social.proximity.BTUserDevSocialWeight Class Reference

Public Member Functions

- String [getDevAdd](#) ()
- double [getSocialWeight](#) (int timeSlot)
- void [setDevAdd](#) (String DevAdd)
- void [setSocialWeight](#) (int timeSlot, double [socialWeight](#))
- [BTUserDevSocialWeight](#) ()

Private Attributes

- String [deviceAdd](#)
- double[] [socialWeight](#) = new double [24]

6.6.1 Constructor & Destructor Documentation

6.6.1.1 com.social.proximity.BTUserDevSocialWeight.BTUserDevSocialWeight ()

BT User Device Social Weight Constructor.

6.6.2 Member Function Documentation

6.6.2.1 String com.social.proximity.BTUserDevSocialWeight.getDevAdd ()

Gets the MAC address of this Bluetooth device.

Returns

deviceAdd The device address to be used as key.

6.6.2.2 double com.social.proximity.BTUserDevSocialWeight.getSocialWeight (int *timeSlot*)

Gets the social weight towards a BT device.

Parameters

<i>timeSlot</i>	Specific time slot.
-----------------	---------------------

Returns

socialWeight The social weight in the given slot.

6.6.2.3 void com.social.proximity.BTUserDevSocialWeight.setDevAdd (String DevAdd)

Sets the ID of this Bluetooth device.

Parameters

<i>DevAdd</i>	the MAC address of device to set.
---------------	-----------------------------------

6.6.2.4 void com.social.proximity.BTUserDevSocialWeight.setSocialWeight (int timeSlot, double socialWeight)

Sets the social weight towards a BT device.

Parameters

<i>timeSlot</i>	Specific time slot.
<i>socialWeight</i>	The social weight.

6.6.3 Member Data Documentation

6.6.3.1 String com.social.proximity.BTUserDevSocialWeight.deviceAdd [private]

6.6.3.2 double [] com.social.proximity.BTUserDevSocialWeight.socialWeight = new double [24] [private]

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

- [src/com/social/proximity/BTUserDevSocialWeight.java](#)

6.7 com.social.proximity.ChangeListener Interface Reference

Public Member Functions

- void [onSocialWeightChange](#) (ArrayList< [SocialWeight](#) > arrayList)

6.7.1 Member Function Documentation

6.7.1.1 void com.social.proximity.ChangeListener.onSocialWeightChange (ArrayList< SocialWeight > arrayList)

Reports on changes on the social weights.

Parameters

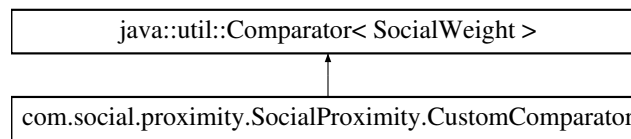
<i>arrayList</i>	The list containing the peer information (MAC address, device's name, and social weight).
------------------	---

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

- [src/com/social/proximity/ChangeListener.java](#)

6.8 com.social.proximity.SocialProximity.CustomComparator Class Reference

Inheritance diagram for com.social.proximity.SocialProximity.CustomComparator:



Public Member Functions

- int [compare](#) ([SocialWeight](#) entry1, [SocialWeight](#) entry2)

6.8.1 Member Function Documentation

6.8.1.1 int com.social.proximity.SocialProximity.CustomComparator.compare ([SocialWeight](#) entry1, [SocialWeight](#) entry2)

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

- src/com/social/proximity/[SocialProximity.java](#)

6.9 com.social.proximity.DataBaseChangeListener Interface Reference

Public Member Functions

- void [onDataBaseChangeBT](#) (ArrayList< [BTUserDevice](#) > arrayList)
- void [onDataBaseChangeBTEncDur](#) (ArrayList< [BTUserDevEncounterDuration](#) > arrayList)
- void [onDataBaseChangeBTAvgEncDur](#) (ArrayList< [BTUserDevAverageEncounterDuration](#) > arrayList)
- void [onDataBaseChangeBTSocialWeight](#) (ArrayList< [BTUserDevSocialWeight](#) > arrayList)

6.9.1 Member Function Documentation

6.9.1.1 void com.social.proximity.DataBaseChangeListener.onDataBaseChangeBT (ArrayList< [BTUserDevice](#) > *arrayList*)

Reports on changes on the Bluetooth device information.

Parameters

<i>arrayList</i>	The list containing the peer information (MAC address, device's name, and time of first encounter).
------------------	---

6.9.1.2 void com.social.proximity.DataBaseChangeListener.onDataBaseChangeBTAvgEncDur (ArrayList< [BTUserDevAverageEncounterDuration](#) > *arrayList*)

Reports on changes on the Bluetooth device information.

Parameters

<i>arrayList</i>	The list containing the peer information (MAC address and average encounter duration).
------------------	--

6.9.1.3 `void com.social.proximity.DataBaseChangeListener.onDataBaseChangeBTEncDur (ArrayList< BTUserDevEncounterDuration > arrayList)`

Reports on changes on the Bluetooth device information.

Parameters

<i>arrayList</i>	The list containing the peer information (MAC address and time spent in the vicinity, i.e., total time within communication range).
------------------	---

6.9.1.4 `void com.social.proximity.DataBaseChangeListener.onDataBaseChangeBTSocialWeight (ArrayList< BTUserDevSocialWeight > arrayList)`

Reports on changes on the Bluetooth device information.

Parameters

<i>arrayList</i>	The list containing the peer information (MAC address and social weight).
------------------	---

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

- [src/com/social/proximity/DataBaseChangeListener.java](#)

6.10 com.social.proximity.DatabaseFunctions Class Reference

Public Member Functions

- [DatabaseFunctions](#) (SQLiteDatabase database)
- long [getNumBTDevice](#) ()
- void [registerNewBTDevice](#) (BTUserDevice btDev, BTUserDevEncounterDuration duration, BTUserDevAverageEncounterDuration averageDuration, BTUserDevSocialWeight socialWeight)
- void [updateBTDeviceAndDuration](#) (BTUserDevice btDev, BTUserDevEncounterDuration duration)
- void [updateBTDevAvgEncounterDuration](#) (BTUserDevAverageEncounterDuration averageDuration)
- void [updateBTDevSocialWeight](#) (BTUserDevSocialWeight socialWeight)
- BTUserDevice [getBTDevice](#) (String btDevice)
- BTUserDevEncounterDuration [getBTDeviceEncounterDuration](#) (String btDevEncounterDuration)
- BTUserDevAverageEncounterDuration [getBTDeviceAverageEncounterDuration](#) (String btDevAverageEncounterDuration)
- BTUserDevSocialWeight [getBTDeviceSocialWeight](#) (String btDevSocialWeight)
- boolean [hasBTDevice](#) (String btDev)
- Map< String, BTUserDevice > [getAllBTDevice](#) ()
- Map< String, BTUserDevEncounterDuration > [getAllBTDevEncounterDuration](#) ()
- Map< String, BTUserDevAverageEncounterDuration > [getAllBTDevAverageEncounterDuration](#) ()
- Map< String, BTUserDevSocialWeight > [getAllBTDevSocialWeight](#) ()

Private Member Functions

- BTUserDevice [cursorToBTDevice](#) (Cursor cursor)
- BTUserDevEncounterDuration [cursorToBTDevEncounterDuration](#) (Cursor cursor)
- BTUserDevAverageEncounterDuration [cursorToBTDevAverageEncounterDuration](#) (Cursor cursor)
- BTUserDevSocialWeight [cursorToBTDevSocialWeight](#) (Cursor cursor)

Private Attributes

- SQLiteDatabase [db](#)
- String[] [allColumnsBTDevices](#)
- String[] [allColumnsBTDeviceEncounterDuration](#)
- String[] [allColumnsBTDeviceAverageEncounterDuration](#)
- String[] [allColumnsBTDeviceSocialWeight](#)

6.10.1 Constructor & Destructor Documentation

6.10.1.1 com.social.proximity.DatabaseFunctions.DatabaseFunctions (SQLiteDatabase *database*)

[DatabaseFunctions](#) constructor.

Parameters

<i>database</i>	The database provided by the application.
-----------------	---

6.10.2 Member Function Documentation

6.10.2.1 **BTUserDevAverageEncounterDuration** com.social.proximity.DatabaseFunctions.cursorToBTDevAverage↔ EncounterDuration (Cursor *cursor*) [private]

Converts a cursor pointing to a record in the BTDEVICEAVERAGEENCOUNTERDURATION table to a [BTUser↔
DevAverageEncounterDuration](#) object.

Parameters

<i>cursor</i>	Cursor pointing to a record of the BTDEVICEAVERAGEENCOUNTERDURATION table.
---------------	--

Returns

the [BTUserDevAverageEncounterDuration](#) object.

6.10.2.2 **BTUserDevEncounterDuration** com.social.proximity.DatabaseFunctions.cursorToBTDevEncounterDuration (Cursor *cursor*) [private]

Converts a cursor pointing to a record in the BTDEVICEENCOUNTERDURATION table to a [BTUserDev↔
EncounterDuration](#) object.

Parameters

<i>cursor</i>	Cursor pointing to a record of the BTDEVICEENCOUNTERDURATION table.
---------------	---

Returns

the [BTUserDevEncounterDuration](#) object.

6.10.2.3 **BTUserDevice** com.social.proximity.DatabaseFunctions.cursorToBTDevice (Cursor *cursor*) [private]

Converts a cursor pointing to a record in the BTDEVICE table to a BTDevice object.

Parameters

<i>cursor</i>	Cursor pointing to a record of the BTDEVICE table.
---------------	--

Returns

the BTDevice object.

6.10.2.4 **BTUserDevSocialWeight** `com.social.proximity.DatabaseFunctions.cursorToBTDevSocialWeight (Cursor cursor)` [private]

Converts a cursor pointing to a record in the BTDEVICESOCIALWEIGHT table to a [BTUserDevSocialWeight](#) object.

Parameters

<i>cursor</i>	Cursor pointing to a record of the BTDEVICEAVERAGEENCOUNTERDURATION table.
---------------	--

Returns

the [BTUserDevSocialWeight](#) object.

6.10.2.5 `Map<String, BTUserDevAverageEncounterDuration> com.social.proximity.DatabaseFunctions.getAllBTDevAverageEncounterDuration ()`

Gets the all the [BTUserDevAverageEncounterDuration](#) recorded by the application on the BTDEVICEAVERAGEENCOUNTERDURATION table.

Returns

btDevAverageEncounterDurationMap A map with the [BTUserDevAverageEncounterDuration](#) objects, and the BTDEV_MAC_ADDRESS as key.

6.10.2.6 `Map<String, BTUserDevEncounterDuration> com.social.proximity.DatabaseFunctions.getAllBTDevEncounterDuration ()`

Gets the all the [BTUserDevEncounterDuration](#) recorded by the application on the BTDEVICEENCOUNTERDURATION table.

Returns

btDevEncounterDurationMap A map with the [BTUserDevEncounterDuration](#) objects, and the BTDEV_MAC_ADDRESS as key.

6.10.2.7 `Map<String, BTUserDevice> com.social.proximity.DatabaseFunctions.getAllBTDevice ()`

Gets the all the BTDevice recorded by the application on the BTDEVICE table.

Returns

btDevMap A map with the [BTUserDevice](#) objects, and the BTDEV_MAC_ADDRESS as key.

6.10.2.8 Map<String, BTUserDevSocialWeight> com.social.proximity.DatabaseFunctions.getAllBTDevSocialWeight ()

Gets the all the [BTUserDevSocialWeight](#) recorded by the application on the BTDEVICESOCIALWEIGHT table.

Returns

btDevSocialWeightMap A map with the [BTUserDevSocialWeight](#) objects, and the BTDEV_MAC_ADDRESS as key.

6.10.2.9 BTUserDevice com.social.proximity.DatabaseFunctions.getBTDevice (String btDevice)

Gets information about a BTDevice already registered by the application.

Parameters

<i>btDevice</i>	The MAC address of the BTDevice which information should be returned.
-----------------	---

Returns

the btDev object, null if not found.

6.10.2.10 BTUserDevAverageEncounterDuration com.social.proximity.DatabaseFunctions.getBTDeviceAverage↔ EncounterDuration (String btDevAverageEncounterDuration)

Gets average encounter duration information of a BTDevice already registered by the application.

Parameters

<i>btDevAverage↔ Encounter↔ Duration</i>	The MAC address of the BTDevice which information should be returned.
--	---

Returns

the btDevAvgEncDur object, null if not found.

6.10.2.11 BTUserDevEncounterDuration com.social.proximity.DatabaseFunctions.getBTDeviceEncounterDuration (String btDevEncounterDuration)

Gets encounter duration information of a BTDevice already registered by the application.

Parameters

<i>btDev↔ Encounter↔ Duration</i>	The MAC address of the BTDevice which information should be returned.
---	---

Returns

the btDevEncDur object, null if not found.

6.10.2.12 BTUserDevSocialWeight com.social.proximity.DatabaseFunctions.getBTDeviceSocialWeight (String btDevSocialWeight)

Gets social weight information of a BTDevice already registered by the application.

Parameters

<i>btDevSocialWeight</i>	The MAC address of the BTDevice which information should be returned.
--------------------------	---

Returns

the btDevSocWeight object, null if not found.

6.10.2.13 long com.social.proximity.DatabaseFunctions.getNumBTDevice ()

Gets the number of records in the BTDEVICE table. This is, the number of BTDevice registered on the application.

Returns

the number of BTDevice registered by the application.

6.10.2.14 boolean com.social.proximity.DatabaseFunctions.hasBTDevice (String btDev)

Checks if a given BTDevice has already been registered by the application.

Parameters

<i>btDev</i>	The MAC address of the BTDevice.
--------------	----------------------------------

Returns

true, if BTDevice has already been registered by the application, false otherwise.

6.10.2.15 void com.social.proximity.DatabaseFunctions.registerNewBTDevice (BTUserDevice btDev, BTUserDevEncounterDuration duration, BTUserDevAverageEncounterDuration averageDuration, BTUserDevSocialWeight socialWeight)

Register a new BTDevice in the application. It creates a new record on the BTDEVICE, BTDEVICEENCOUNTERDURATION, BTDEVICEAVERAGEENCOUNTERDURATION, and BTDEVICESOCIALWEIGHT tables, with the information passed as BTDevice.

Parameters

<i>btDev</i>	Bluetooth device information.
<i>duration</i>	Bluetooth device information regarding the duration that the BT device is within communication range of others.
<i>averageDuration</i>	Bluetooth device information regarding the average duration of encounter between the BT device and other devices.
<i>socialWeight</i>	Bluetooth device information regarding the social weight of the BT device towards others.

6.10.2.16 void com.social.proximity.DatabaseFunctions.updateBTDevAvgEncounterDuration (BTUserDevAverageEncounterDuration averageDuration)

Update a BTDevice already registered by the application. This modifies the corresponding record to the BTDevice in the BTDEVICEAVERAGEENCOUNTERDURATION table.

Parameters

<i>averageDuration</i>	Bluetooth device information regarding its average encounter duration.
------------------------	--

6.10.2.17 void com.social.proximity.DatabaseFunctions.updateBTDeviceAndDuration (BTUserDevice *btDev*, BTUserDevEncounterDuration *duration*)

Update a BTDevice already registered by the application. This modifies the corresponding record to the BTDevice in the BTDEVICE, BTDEVICEENCOUNTERDURATION, BTDEVICEAVERAGEENCOUNTERDURATION, and BTDEVICESOCIALWEIGHT tables.

Parameters

<i>btDev</i>	Bluetooth device information.
<i>duration</i>	Bluetooth device information regarding the duration that the BT device is within communication range of others.

6.10.2.18 void com.social.proximity.DatabaseFunctions.updateBTDevSocialWeight (BTUserDevSocialWeight *socialWeight*)

Update a BTDevice already registered by the application. This modifies the corresponding record to the BTDevice in the BTDEVICESOCIALWEIGHT table.

Parameters

<i>socialWeight</i>	Bluetooth device information regarding its social weight.
---------------------	---

6.10.3 Member Data Documentation

6.10.3.1 String [] com.social.proximity.DatabaseFunctions.allColumnsBTDeviceAverageEncounterDuration [private]

Initial value:

```
= {
    SQLiteHelper.COLUMN_BTDEV_MAC_ADDRESS,
    SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT1,
    SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT2,
    SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT3,
    SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT4,
    SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT5,
    SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT6,
    SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT7,
    SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT8,
    SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT9,
    SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT10,
    SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT11,
    SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT12,
    SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT13,
    SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT14,
    SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT15,
    SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT16,
    SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT17,
    SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT18,
    SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT19,
    SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT20,
    SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT21,
    SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT22,
    SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT23,
    SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT24,
}
```

List of all columns on the BTDEVICEAVERAGEENCOUNTERDURATION table.

6.10.3.2 String [] com.social.proximity.DatabaseFunctions.allColumnsBTDeviceEncounterDuration [private]

Initial value:

```
= {
    SQLiteHelper.COLUMN_BTDEV_MAC_ADDRESS,
    SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT1,
    SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT2,
    SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT3,
    SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT4,
    SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT5,
    SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT6,
    SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT7,
    SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT8,
    SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT9,
    SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT10,
    SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT11,
    SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT12,
    SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT13,
    SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT14,
    SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT15,
    SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT16,
    SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT17,
    SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT18,
    SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT19,
    SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT20,
    SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT21,
    SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT22,
    SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT23,
    SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT24,
}
```

List of all columns on the BTDEVICEENCOUNTERDURATION table.

6.10.3.3 String [] com.social.proximity.DatabaseFunctions.allColumnsBTDevices [private]

Initial value:

```
= {
    SQLiteHelper.COLUMN_BTDEV_MAC_ADDRESS,
    SQLiteHelper.COLUMN_BTDEV_NAME,
    SQLiteHelper.COLUMN_BTDEV_ENCOUNTERSTART,
}
```

List of all columns on the BTDEVICE table.

6.10.3.4 String [] com.social.proximity.DatabaseFunctions.allColumnsBTDeviceSocialWeight [private]

Initial value:

```
= {
    SQLiteHelper.COLUMN_BTDEV_MAC_ADDRESS,
    SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT1,
    SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT2,
    SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT3,
    SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT4,
    SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT5,
    SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT6,
    SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT7,
    SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT8,
    SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT9,
    SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT10,
    SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT11,
    SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT12,
    SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT13,
    SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT14,
    SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT15,
    SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT16,
    SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT17,
    SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT18,
    SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT19,
    SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT20,
    SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT21,
    SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT22,
}
```



```

        SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT23,
        SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT24,
    }

```

List of all columns on the BTDEVICESOCIALWEIGHT table.

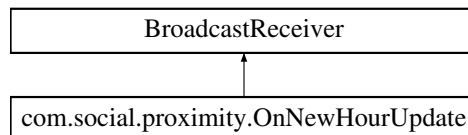
6.10.3.5 SQLiteDatabase com.social.proximity.DatabaseFunctions.db [private]

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

- src/com/social/proximity/[DatabaseFunctions.java](#)

6.11 com.social.proximity.OnNewHourUpdate Class Reference

Inheritance diagram for com.social.proximity.OnNewHourUpdate:



Public Member Functions

- [OnNewHourUpdate](#) ([DatabaseFunctions](#) datasource2)
- void [onReceive](#) (Context context, Intent intent)
- int [getTimeSlot](#) ()
- void [showDevicesOnDB](#) ()

Static Public Attributes

- static final String [NEW_HOUR](#) = "android.intent.action.NEWHOUR"

Private Member Functions

- void [notifyDataBaseChange](#) ()
- void [writeToSD](#) (String text)

Private Attributes

- [DatabaseFunctions](#) datasource
- int [day](#) = 1
- ArrayList< [DataBaseChangeListener](#) > [listeners](#) = new ArrayList<[DataBaseChangeListener](#)> ()

6.11.1 Constructor & Destructor Documentation

6.11.1.1 com.social.proximity.OnNewHourUpdate.OnNewHourUpdate ([DatabaseFunctions](#) datasource2)

[OnNewHourUpdate](#) constructor.

Parameters

<i>datasource2</i>	The DatabaseFunctions object that allows the creation and handling of tables for social proximity computation.
--------------------	--

6.11.2 Member Function Documentation

6.11.2.1 `int com.social.proximity.OnNewHourUpdate.getTimeSlot ()`

Provides the current time slot.

Returns

`currentTimeSlot` The actual time slot.

6.11.2.2 `void com.social.proximity.OnNewHourUpdate.notifyDataBaseChange () [private]`

Notifies a database change to the listeners.

6.11.2.3 `void com.social.proximity.OnNewHourUpdate.onReceive (Context context, Intent intent)`6.11.2.4 `void com.social.proximity.OnNewHourUpdate.showDevicesOnDB ()`

Shows the Bluetooth devices stored on the DB. For debugging purposes.

6.11.2.5 `void com.social.proximity.OnNewHourUpdate.writeToSD (String text) [private]`

Writes on a file for Bluetooth debugging.

6.11.3 Member Data Documentation

6.11.3.1 `DatabaseFunctions com.social.proximity.OnNewHourUpdate.datasource [private]`6.11.3.2 `int com.social.proximity.OnNewHourUpdate.day = 1 [private]`6.11.3.3 `ArrayList<DataBaseChangeListener> com.social.proximity.OnNewHourUpdate.listeners = new ArrayList<DataBaseChangeListener> () [private]`6.11.3.4 `final String com.social.proximity.OnNewHourUpdate.NEW_HOUR = "android.intent.action.NEW_HOUR" [static]`

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

- [src/com/social/proximity/OnNewHourUpdate.java](#)

6.12 `com.social.proximity.SocialProximity` Class Reference

Classes

- class [CustomComparator](#)
- class **ServiceBTListener**

Public Member Functions

- [SocialProximity](#) (Context [context](#), [DatabaseFunctions](#) [datasource](#))
- boolean [isDeviceOnDB](#) (String [deviceAdd](#))
- ArrayList< [SocialWeight](#) > [getSocialWeightDetails](#) ()
- void [close](#) (Context [context](#))
- int [getTimeSlot](#) ()

Static Public Attributes

- static final String [DATABASE_CHANGE](#) = "com.social.proximity.CHANGE"

Private Member Functions

- void [notifyDataBaseChange](#) ()
- void [writeToSD](#) (String [text](#))

Private Attributes

- final String [TAG](#) = "Bluetooth Testing"
- [BTManager](#) [myBTManager](#)
- [ServiceBTListener](#) [btListener](#)
- [AlarmManager](#) [alarmMgr](#)
- [PendingIntent](#) [alarmIntent](#)
- [OnNewHourUpdate](#) [newHour](#)
- Context [context](#)
- [DatabaseFunctions](#) [datasource](#)

6.12.1 Constructor & Destructor Documentation

6.12.1.1 `com.social.proximity.SocialProximity.SocialProximity (Context context, DatabaseFunctions datasource)`

[SocialProximity](#) constructor.

Parameters

<i>context</i>	The context which provides access to resources and specific classes of the application.
<i>datasource</i>	The object that allows the handling of tables for social proximity computation.

6.12.2 Member Function Documentation

6.12.2.1 `void com.social.proximity.SocialProximity.close (Context context)`

Stops Bluetooth-related tasks (i.e., scanning, unregister broadcast receivers)

Parameters

<i>context</i>	The context which provides access to resources and specific classes of the application
----------------	--

6.12.2.2 `ArrayList<SocialWeight> com.social.proximity.SocialProximity.getSocialWeightDetails ()`

Provides a list of encountered peers and the social weights towards them.

Returns

`listWeights` List of peers with weights sorted in a descending way.

6.12.2.3 `int com.social.proximity.SocialProximity.getTimeSlot ()`

Provides the current time slot

Returns

`currentTimeSlot` The actual time slot

6.12.2.4 `boolean com.social.proximity.SocialProximity.isDeviceOnDB (String deviceAdd)`

Checks whether the device is in DB.

Parameters

<i>deviceAdd</i>	The device MAC address.
------------------	-------------------------

Returns

true if device is in DB, false otherwise

6.12.2.5 `void com.social.proximity.SocialProximity.notifyDataBaseChange () [private]`

Notifies a database change to the listeners.

6.12.2.6 `void com.social.proximity.SocialProximity.writeToSD (String text) [private]`

Writes on a file for Bluetooth debugging

6.12.3 Member Data Documentation

6.12.3.1 `PendingIntent com.social.proximity.SocialProximity.alarmIntent [private]`

6.12.3.2 `AlarmManager com.social.proximity.SocialProximity.alarmMgr [private]`

6.12.3.3 `ServiceBTListener com.social.proximity.SocialProximity.btListener [private]`

6.12.3.4 `Context com.social.proximity.SocialProximity.context [private]`

6.12.3.5 `final String com.social.proximity.SocialProximity.DATABASE_CHANGE = "com.social.proximity.CHANGE" [static]`

6.12.3.6 `DatabaseFunctions com.social.proximity.SocialProximity.datasource [private]`

6.12.3.7 `BTManager com.social.proximity.SocialProximity.myBTManager [private]`

6.12.3.8 **OnNewHourUpdate** com.social.proximity.SocialProximity.newHour [private]

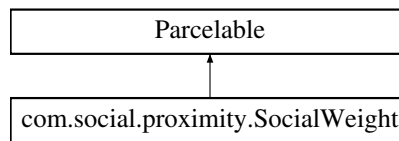
6.12.3.9 **final String** com.social.proximity.SocialProximity.TAG = "Bluetooth Testing" [private]

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

- src/com/social/proximity/[SocialProximity.java](#)

6.13 com.social.proximity.SocialWeight Class Reference

Inheritance diagram for com.social.proximity.SocialWeight:



Public Member Functions

- void [setMacAddress](#) (String mMacAddress)
- String [getMacAddress](#) ()
- void [setDeviceName](#) (String mDeviceName)
- String [getDeviceName](#) ()
- void [setSocialWeight](#) (int mSocialWeight)
- int [getSocialWeight](#) ()
- [SocialWeight](#) ()
- [SocialWeight](#) (Parcel source)
- int [describeContents](#) ()
- void [writeToParcel](#) (Parcel dest, int flags)

Public Attributes

- final Creator [CREATOR](#)

Static Public Attributes

- static final String [socialWeight_key](#) = "socialReceiver"

Private Attributes

- String [mMacAddress](#)
- String [mDeviceName](#)
- int [mSocialWeight](#)

6.13.1 Constructor & Destructor Documentation

6.13.1.1 **com.social.proximity.SocialWeight.SocialWeight** ()

[SocialWeight](#) constructor.

6.13.1.2 `com.social.proximity.SocialWeight.SocialWeight (Parcel source)`

[SocialWeight](#) constructor.

Parameters

<i>source</i>	The object containing the MAC address, name and social weight towards a device.
---------------	---

6.13.2 Member Function Documentation

6.13.2.1 `int com.social.proximity.SocialWeight.describeContents ()`

6.13.2.2 `String com.social.proximity.SocialWeight.getDeviceName ()`

Gets the device's name.

Returns

`mDeviceName` The name of the device.

6.13.2.3 `String com.social.proximity.SocialWeight.getMacAddress ()`

Gets the MAC address.

Returns

`mMacAddress` The MAC address of the device.

6.13.2.4 `int com.social.proximity.SocialWeight.getSocialWeight ()`

Gets the social weight towards the device.

Returns

`mSocialWeight` The social weight towards the device.

6.13.2.5 `void com.social.proximity.SocialWeight.setDeviceName (String mDeviceName)`

Sets the device's name.

Parameters

<i>mDeviceName</i>	The name of the device.
--------------------	-------------------------

6.13.2.6 `void com.social.proximity.SocialWeight.setMacAddress (String mMacAddress)`

Sets the MAC address.

Parameters

<i>mMacAddress</i>	The MAC address of the device.
--------------------	--------------------------------

6.13.2.7 `void com.social.proximity.SocialWeight.setSocialWeight (int mSocialWeight)`

Sets the social weight towards the device.

Parameters

<i>mSocialWeight</i>	The social weight towards the device.
----------------------	---------------------------------------

6.13.2.8 void com.social.proximity.SocialWeight.writeToParcel (Parcel *dest*, int *flags*)

6.13.3 Member Data Documentation

6.13.3.1 final Creator com.social.proximity.SocialWeight.CREATOR

Initial value:

```
= new Creator() {
    @Override
    public SocialWeight createFromParcel(Parcel in) {
        return new SocialWeight(in);
    }
    @Override
    public SocialWeight[] newArray(int size) {
        return new SocialWeight[size];
    }
}
```

6.13.3.2 String com.social.proximity.SocialWeight.mDeviceName [private]

6.13.3.3 String com.social.proximity.SocialWeight.mMacAddress [private]

6.13.3.4 int com.social.proximity.SocialWeight.mSocialWeight [private]

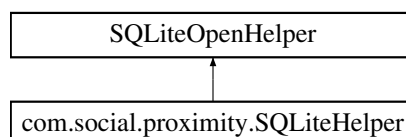
6.13.3.5 final String com.social.proximity.SocialWeight.socialWeight_key = "socialReceiver" [static]

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

- src/com/social/proximity/[SocialWeight.java](#)

6.14 com.social.proximity.SQLiteHelper Class Reference

Inheritance diagram for com.social.proximity.SQLiteHelper:



Public Member Functions

- [SQLiteHelper](#) (Context context)
- void [onCreate](#) (SQLiteDatabase dataBase)
- void [onUpgrade](#) (SQLiteDatabase dataBase, int oldVersion, int newVersion)

Static Public Attributes

- static final String `TABLE_BTDEVICE` = "btdevices"
- static final String `TABLE_BTDEVICEENCOUNTERDURATION` = "btdevice_encounterduration"
- static final String `TABLE_BTDEVICEAVERAGEENCOUNTERDURATION` = "btdevice_averageencounterduration"
- static final String `TABLE_BTDEVICESOCIALWEIGHT` = "btdevice_socialweight"
- static final String `COLUMN_ID` = "_id"
- static final String `COLUMN_BTDEV_MAC_ADDRESS` = "devBtMacAdd"
- static final String `COLUMN_BTDEV_NAME` = "devName"
- static final String `COLUMN_BTDEV_ENCOUNTERSTART` = "devEncounterStart"
- static final String `COLUMN_BTDEV_ENCOUNTERDURATION_SLOT1` = "devEncounterDuration_slot1"
- static final String `COLUMN_BTDEV_ENCOUNTERDURATION_SLOT2` = "devEncounterDuration_slot2"
- static final String `COLUMN_BTDEV_ENCOUNTERDURATION_SLOT3` = "devEncounterDuration_slot3"
- static final String `COLUMN_BTDEV_ENCOUNTERDURATION_SLOT4` = "devEncounterDuration_slot4"
- static final String `COLUMN_BTDEV_ENCOUNTERDURATION_SLOT5` = "devEncounterDuration_slot5"
- static final String `COLUMN_BTDEV_ENCOUNTERDURATION_SLOT6` = "devEncounterDuration_slot6"
- static final String `COLUMN_BTDEV_ENCOUNTERDURATION_SLOT7` = "devEncounterDuration_slot7"
- static final String `COLUMN_BTDEV_ENCOUNTERDURATION_SLOT8` = "devEncounterDuration_slot8"
- static final String `COLUMN_BTDEV_ENCOUNTERDURATION_SLOT9` = "devEncounterDuration_slot9"
- static final String `COLUMN_BTDEV_ENCOUNTERDURATION_SLOT10` = "devEncounterDuration_slot10"
- static final String `COLUMN_BTDEV_ENCOUNTERDURATION_SLOT11` = "devEncounterDuration_slot11"
- static final String `COLUMN_BTDEV_ENCOUNTERDURATION_SLOT12` = "devEncounterDuration_slot12"
- static final String `COLUMN_BTDEV_ENCOUNTERDURATION_SLOT13` = "devEncounterDuration_slot13"
- static final String `COLUMN_BTDEV_ENCOUNTERDURATION_SLOT14` = "devEncounterDuration_slot14"
- static final String `COLUMN_BTDEV_ENCOUNTERDURATION_SLOT15` = "devEncounterDuration_slot15"
- static final String `COLUMN_BTDEV_ENCOUNTERDURATION_SLOT16` = "devEncounterDuration_slot16"
- static final String `COLUMN_BTDEV_ENCOUNTERDURATION_SLOT17` = "devEncounterDuration_slot17"
- static final String `COLUMN_BTDEV_ENCOUNTERDURATION_SLOT18` = "devEncounterDuration_slot18"
- static final String `COLUMN_BTDEV_ENCOUNTERDURATION_SLOT19` = "devEncounterDuration_slot19"
- static final String `COLUMN_BTDEV_ENCOUNTERDURATION_SLOT20` = "devEncounterDuration_slot20"
- static final String `COLUMN_BTDEV_ENCOUNTERDURATION_SLOT21` = "devEncounterDuration_slot21"
- static final String `COLUMN_BTDEV_ENCOUNTERDURATION_SLOT22` = "devEncounterDuration_slot22"
- static final String `COLUMN_BTDEV_ENCOUNTERDURATION_SLOT23` = "devEncounterDuration_slot23"
- static final String `COLUMN_BTDEV_ENCOUNTERDURATION_SLOT24` = "devEncounterDuration_slot24"
- static final String `COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT1` = "devAvgEncounterDuration↵_slot1"
- static final String `COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT2` = "devAvgEncounterDuration↵_slot2"
- static final String `COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT3` = "devAvgEncounterDuration↵_slot3"
- static final String `COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT4` = "devAvgEncounterDuration↵_slot4"
- static final String `COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT5` = "devAvgEncounterDuration↵_slot5"
- static final String `COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT6` = "devAvgEncounterDuration↵_slot6"
- static final String `COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT7` = "devAvgEncounterDuration↵_slot7"
- static final String `COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT8` = "devAvgEncounterDuration↵_slot8"
- static final String `COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT9` = "devAvgEncounterDuration↵_slot9"
- static final String `COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT10` = "devAvgEncounter↵Duration_slot10"
- static final String `COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT11` = "devAvgEncounter↵Duration_slot11"

- static final String [COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT12](#) = "devAvgEncounter↔
Duration_slot12"
- static final String [COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT13](#) = "devAvgEncounter↔
Duration_slot13"
- static final String [COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT14](#) = "devAvgEncounter↔
Duration_slot14"
- static final String [COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT15](#) = "devAvgEncounter↔
Duration_slot15"
- static final String [COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT16](#) = "devAvgEncounter↔
Duration_slot16"
- static final String [COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT17](#) = "devAvgEncounter↔
Duration_slot17"
- static final String [COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT18](#) = "devAvgEncounter↔
Duration_slot18"
- static final String [COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT19](#) = "devAvgEncounter↔
Duration_slot19"
- static final String [COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT20](#) = "devAvgEncounter↔
Duration_slot20"
- static final String [COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT21](#) = "devAvgEncounter↔
Duration_slot21"
- static final String [COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT22](#) = "devAvgEncounter↔
Duration_slot22"
- static final String [COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT23](#) = "devAvgEncounter↔
Duration_slot23"
- static final String [COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT24](#) = "devAvgEncounter↔
Duration_slot24"
- static final String [COLUMN_BTDEV_SOCIALWEIGHT_SLOT1](#) = "devSocialWeight_slot1"
- static final String [COLUMN_BTDEV_SOCIALWEIGHT_SLOT2](#) = "devSocialWeight_slot2"
- static final String [COLUMN_BTDEV_SOCIALWEIGHT_SLOT3](#) = "devSocialWeight_slot3"
- static final String [COLUMN_BTDEV_SOCIALWEIGHT_SLOT4](#) = "devSocialWeight_slot4"
- static final String [COLUMN_BTDEV_SOCIALWEIGHT_SLOT5](#) = "devSocialWeight_slot5"
- static final String [COLUMN_BTDEV_SOCIALWEIGHT_SLOT6](#) = "devSocialWeight_slot6"
- static final String [COLUMN_BTDEV_SOCIALWEIGHT_SLOT7](#) = "devSocialWeight_slot7"
- static final String [COLUMN_BTDEV_SOCIALWEIGHT_SLOT8](#) = "devSocialWeight_slot8"
- static final String [COLUMN_BTDEV_SOCIALWEIGHT_SLOT9](#) = "devSocialWeight_slot9"
- static final String [COLUMN_BTDEV_SOCIALWEIGHT_SLOT10](#) = "devSocialWeight_slot10"
- static final String [COLUMN_BTDEV_SOCIALWEIGHT_SLOT11](#) = "devSocialWeight_slot11"
- static final String [COLUMN_BTDEV_SOCIALWEIGHT_SLOT12](#) = "devSocialWeight_slot12"
- static final String [COLUMN_BTDEV_SOCIALWEIGHT_SLOT13](#) = "devSocialWeight_slot13"
- static final String [COLUMN_BTDEV_SOCIALWEIGHT_SLOT14](#) = "devSocialWeight_slot14"
- static final String [COLUMN_BTDEV_SOCIALWEIGHT_SLOT15](#) = "devSocialWeight_slot15"
- static final String [COLUMN_BTDEV_SOCIALWEIGHT_SLOT16](#) = "devSocialWeight_slot16"
- static final String [COLUMN_BTDEV_SOCIALWEIGHT_SLOT17](#) = "devSocialWeight_slot17"
- static final String [COLUMN_BTDEV_SOCIALWEIGHT_SLOT18](#) = "devSocialWeight_slot18"
- static final String [COLUMN_BTDEV_SOCIALWEIGHT_SLOT19](#) = "devSocialWeight_slot19"
- static final String [COLUMN_BTDEV_SOCIALWEIGHT_SLOT20](#) = "devSocialWeight_slot20"
- static final String [COLUMN_BTDEV_SOCIALWEIGHT_SLOT21](#) = "devSocialWeight_slot21"
- static final String [COLUMN_BTDEV_SOCIALWEIGHT_SLOT22](#) = "devSocialWeight_slot22"
- static final String [COLUMN_BTDEV_SOCIALWEIGHT_SLOT23](#) = "devSocialWeight_slot23"
- static final String [COLUMN_BTDEV_SOCIALWEIGHT_SLOT24](#) = "devSocialWeight_slot24"

Static Private Attributes

- static final String [DATABASE_NAME](#) = "database"
- static final int [DATABASE_VERSION](#) = 2
- static final String [CREATE_BTDEVICE_TABLE](#)
- static final String [CREATE_BTDEVICEENCOUNTERDURATION_TABLE](#)
- static final String [CREATE_BTDEVICEAVERAGEENCOUNTERDURATION_TABLE](#)
- static final String [CREATE_BTDEVICESOCIALWEIGHT_TABLE](#)

6.14.1 Constructor & Destructor Documentation

6.14.1.1 `com.social.proximity.SQLiteHelper.SQLiteHelper (Context context)`

[SQLiteHelper](#) constructor.

Parameters

<i>context</i>	The context which provides access to resources and specific classes of the application.
----------------	---

6.14.2 Member Function Documentation

6.14.2.1 `void com.social.proximity.SQLiteHelper.onCreate (SQLiteDatabase dataBase)`

6.14.2.2 `void com.social.proximity.SQLiteHelper.onUpgrade (SQLiteDatabase dataBase, int oldVersion, int newVersion)`

6.14.3 Member Data Documentation

6.14.3.1 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT1 = "devAvgEncounterDuration_slot1" [static]`

6.14.3.2 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT10 = "devAvgEncounterDuration_slot10" [static]`

6.14.3.3 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT11 = "devAvgEncounterDuration_slot11" [static]`

6.14.3.4 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT12 = "devAvgEncounterDuration_slot12" [static]`

6.14.3.5 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT13 = "devAvgEncounterDuration_slot13" [static]`

6.14.3.6 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT14 = "devAvgEncounterDuration_slot14" [static]`

6.14.3.7 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT15 = "devAvgEncounterDuration_slot15" [static]`

6.14.3.8 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT16 = "devAvgEncounterDuration_slot16" [static]`

6.14.3.9 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT17 = "devAvgEncounterDuration_slot17" [static]`

6.14.3.10 final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT18 =
"devAvgEncounterDuration_slot18" [static]

6.14.3.11 final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT19 =
"devAvgEncounterDuration_slot19" [static]

6.14.3.12 final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT2 =
"devAvgEncounterDuration_slot2" [static]

6.14.3.13 final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT20 =
"devAvgEncounterDuration_slot20" [static]

6.14.3.14 final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT21 =
"devAvgEncounterDuration_slot21" [static]

6.14.3.15 final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT22 =
"devAvgEncounterDuration_slot22" [static]

6.14.3.16 final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT23 =
"devAvgEncounterDuration_slot23" [static]

6.14.3.17 final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT24 =
"devAvgEncounterDuration_slot24" [static]

6.14.3.18 final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT3 =
"devAvgEncounterDuration_slot3" [static]

6.14.3.19 final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT4 =
"devAvgEncounterDuration_slot4" [static]

6.14.3.20 final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT5 =
"devAvgEncounterDuration_slot5" [static]

6.14.3.21 final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT6 =
"devAvgEncounterDuration_slot6" [static]

6.14.3.22 final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT7 =
"devAvgEncounterDuration_slot7" [static]

6.14.3.23 final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT8 =
"devAvgEncounterDuration_slot8" [static]

6.14.3.24 final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT9 =
"devAvgEncounterDuration_slot9" [static]

6.14.3.25 final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT1 =
"devEncounterDuration_slot1" [static]

6.14.3.26 final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT10 =
"devEncounterDuration_slot10" [static]

6.14.3.27 final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT11 =
"devEncounterDuration_slot11" [static]

6.14.3.28 final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT12 =
"devEncounterDuration_slot12" [static]

- 6.14.3.29 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT13 = "devEncounterDuration_slot13" [static]`
- 6.14.3.30 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT14 = "devEncounterDuration_slot14" [static]`
- 6.14.3.31 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT15 = "devEncounterDuration_slot15" [static]`
- 6.14.3.32 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT16 = "devEncounterDuration_slot16" [static]`
- 6.14.3.33 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT17 = "devEncounterDuration_slot17" [static]`
- 6.14.3.34 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT18 = "devEncounterDuration_slot18" [static]`
- 6.14.3.35 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT19 = "devEncounterDuration_slot19" [static]`
- 6.14.3.36 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT2 = "devEncounterDuration_slot2" [static]`
- 6.14.3.37 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT20 = "devEncounterDuration_slot20" [static]`
- 6.14.3.38 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT21 = "devEncounterDuration_slot21" [static]`
- 6.14.3.39 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT22 = "devEncounterDuration_slot22" [static]`
- 6.14.3.40 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT23 = "devEncounterDuration_slot23" [static]`
- 6.14.3.41 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT24 = "devEncounterDuration_slot24" [static]`
- 6.14.3.42 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT3 = "devEncounterDuration_slot3" [static]`
- 6.14.3.43 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT4 = "devEncounterDuration_slot4" [static]`
- 6.14.3.44 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT5 = "devEncounterDuration_slot5" [static]`
- 6.14.3.45 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT6 = "devEncounterDuration_slot6" [static]`
- 6.14.3.46 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT7 = "devEncounterDuration_slot7" [static]`
- 6.14.3.47 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT8 = "devEncounterDuration_slot8" [static]`

- 6.14.3.48 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_ENCOUNTERDURATION_SLOT9 = "devEncounterDuration_slot9" [static]`
- 6.14.3.49 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_ENCOUNTERSTART = "devEncounterStart" [static]`
- 6.14.3.50 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_MAC_ADDRESS = "devBtMacAdd" [static]`
- 6.14.3.51 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_NAME = "devName" [static]`
- 6.14.3.52 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT1 = "devSocialWeight_slot1" [static]`
- 6.14.3.53 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT10 = "devSocialWeight_slot10" [static]`
- 6.14.3.54 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT11 = "devSocialWeight_slot11" [static]`
- 6.14.3.55 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT12 = "devSocialWeight_slot12" [static]`
- 6.14.3.56 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT13 = "devSocialWeight_slot13" [static]`
- 6.14.3.57 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT14 = "devSocialWeight_slot14" [static]`
- 6.14.3.58 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT15 = "devSocialWeight_slot15" [static]`
- 6.14.3.59 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT16 = "devSocialWeight_slot16" [static]`
- 6.14.3.60 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT17 = "devSocialWeight_slot17" [static]`
- 6.14.3.61 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT18 = "devSocialWeight_slot18" [static]`
- 6.14.3.62 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT19 = "devSocialWeight_slot19" [static]`
- 6.14.3.63 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT2 = "devSocialWeight_slot2" [static]`
- 6.14.3.64 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT20 = "devSocialWeight_slot20" [static]`
- 6.14.3.65 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT21 = "devSocialWeight_slot21" [static]`
- 6.14.3.66 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT22 = "devSocialWeight_slot22" [static]`

- 6.14.3.67 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT23 = "devSocialWeight_slot23" [static]`
- 6.14.3.68 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT24 = "devSocialWeight_slot24" [static]`
- 6.14.3.69 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT3 = "devSocialWeight_slot3" [static]`
- 6.14.3.70 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT4 = "devSocialWeight_slot4" [static]`
- 6.14.3.71 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT5 = "devSocialWeight_slot5" [static]`
- 6.14.3.72 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT6 = "devSocialWeight_slot6" [static]`
- 6.14.3.73 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT7 = "devSocialWeight_slot7" [static]`
- 6.14.3.74 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT8 = "devSocialWeight_slot8" [static]`
- 6.14.3.75 `final String com.social.proximity.SQLiteHelper.COLUMN_BTDEV_SOCIALWEIGHT_SLOT9 = "devSocialWeight_slot9" [static]`
- 6.14.3.76 `final String com.social.proximity.SQLiteHelper.COLUMN_ID = "_id" [static]`
- 6.14.3.77 `final String com.social.proximity.SQLiteHelper.CREATE_BTDEVICE_TABLE [static], [private]`

Initial value:

```
= "create table "
    + TABLE_BTDEVICE + "("
    + COLUMN_ID + " integer primary key autoincrement, "
    + COLUMN_BTDEV_MAC_ADDRESS + " text not null unique, "
    + COLUMN_BTDEV_NAME + " text not null, "
    + COLUMN_BTDEV_ENCOUNTERSTART + " text not null"
    + ");"
```

- 6.14.3.78 `final String com.social.proximity.SQLiteHelper.CREATE_BTDEVICEAVERAGEENCOUNTERDURATION_TABLE [static], [private]`

Initial value:

```
= "create table "
    + TABLE_BTDEVICEAVERAGEENCOUNTERDURATION + "("
    + COLUMN_ID + " integer primary key autoincrement, "
    + COLUMN_BTDEV_MAC_ADDRESS + " text not null unique, "
    + COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT1 + " text not
null, "
    + COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT2 + " text not
null, "
    + COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT3 + " text not
null, "
    + COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT4 + " text not
null, "
    + COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT5 + " text not
null, "
    + COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT6 + " text not
null, "
    + COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT7 + " text not
```

```

null, "
    + COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT8 + " text not
null, "
    + COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT9 + " text not
null, "
    + COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT10 + " text
not null, "
    + COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT11 + " text
not null, "
    + COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT12 + " text
not null, "
    + COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT13 + " text
not null, "
    + COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT14 + " text
not null, "
    + COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT15 + " text
not null, "
    + COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT16 + " text
not null, "
    + COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT17 + " text
not null, "
    + COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT18 + " text
not null, "
    + COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT19 + " text
not null, "
    + COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT20 + " text
not null, "
    + COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT21 + " text
not null, "
    + COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT22 + " text
not null, "
    + COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT23 + " text
not null, "
    + COLUMN_BTDEV_AVGENCOUNTERDURATION_SLOT24 + " text
not null"
    + ");"

```

6.14.3.79 final String com.social.proximity.SQLiteHelper.CREATE_BTDEVICEENCOUNTERDURATION_TABLE [static],
[private]

Initial value:

```

= "create table "
    + TABLE_BTDEVICEENCOUNTERDURATION + "("
    + COLUMN_ID + " integer primary key autoincrement, "
    + COLUMN_BTDEV_MAC_ADDRESS + " text not null unique, "
    + COLUMN_BTDEV_ENCOUNTERDURATION_SLOT1 + " text not null,
"
    + COLUMN_BTDEV_ENCOUNTERDURATION_SLOT2 + " text not null,
"
    + COLUMN_BTDEV_ENCOUNTERDURATION_SLOT3 + " text not null,
"
    + COLUMN_BTDEV_ENCOUNTERDURATION_SLOT4 + " text not null,
"
    + COLUMN_BTDEV_ENCOUNTERDURATION_SLOT5 + " text not null,
"
    + COLUMN_BTDEV_ENCOUNTERDURATION_SLOT6 + " text not null,
"
    + COLUMN_BTDEV_ENCOUNTERDURATION_SLOT7 + " text not null,
"
    + COLUMN_BTDEV_ENCOUNTERDURATION_SLOT8 + " text not null,
"
    + COLUMN_BTDEV_ENCOUNTERDURATION_SLOT9 + " text not null,
"
    + COLUMN_BTDEV_ENCOUNTERDURATION_SLOT10 + " text not
null, "
    + COLUMN_BTDEV_ENCOUNTERDURATION_SLOT11 + " text not
null, "
    + COLUMN_BTDEV_ENCOUNTERDURATION_SLOT12 + " text not
null, "
    + COLUMN_BTDEV_ENCOUNTERDURATION_SLOT13 + " text not
null, "
    + COLUMN_BTDEV_ENCOUNTERDURATION_SLOT14 + " text not
null, "
    + COLUMN_BTDEV_ENCOUNTERDURATION_SLOT15 + " text not
null, "
    + COLUMN_BTDEV_ENCOUNTERDURATION_SLOT16 + " text not
null, "
    + COLUMN_BTDEV_ENCOUNTERDURATION_SLOT17 + " text not
null, "
    + COLUMN_BTDEV_ENCOUNTERDURATION_SLOT18 + " text not
null, "

```



```

    + COLUMN_BTDEV_ENCOUNTERDURATION_SLOT19 + " text not
null, "
    + COLUMN_BTDEV_ENCOUNTERDURATION_SLOT20 + " text not
null, "
    + COLUMN_BTDEV_ENCOUNTERDURATION_SLOT21 + " text not
null, "
    + COLUMN_BTDEV_ENCOUNTERDURATION_SLOT22 + " text not
null, "
    + COLUMN_BTDEV_ENCOUNTERDURATION_SLOT23 + " text not
null, "
    + COLUMN_BTDEV_ENCOUNTERDURATION_SLOT24 + " text not
null"
    + ");";

```

6.14.3.80 final String com.social.proximity.SQLiteHelper.CREATE_BTDEVICESOCIALWEIGHT_TABLE [static],
[private]

Initial value:

```

= "create table "
    + TABLE_BTDEVICESOCIALWEIGHT + "("
    + COLUMN_ID + " integer primary key autoincrement, "
    + COLUMN_BTDEV_MAC_ADDRESS + " text not null unique, "
    + COLUMN_BTDEV_SOCIALWEIGHT_SLOT1 + " text not null, "
    + COLUMN_BTDEV_SOCIALWEIGHT_SLOT2 + " text not null, "
    + COLUMN_BTDEV_SOCIALWEIGHT_SLOT3 + " text not null, "
    + COLUMN_BTDEV_SOCIALWEIGHT_SLOT4 + " text not null, "
    + COLUMN_BTDEV_SOCIALWEIGHT_SLOT5 + " text not null, "
    + COLUMN_BTDEV_SOCIALWEIGHT_SLOT6 + " text not null, "
    + COLUMN_BTDEV_SOCIALWEIGHT_SLOT7 + " text not null, "
    + COLUMN_BTDEV_SOCIALWEIGHT_SLOT8 + " text not null, "
    + COLUMN_BTDEV_SOCIALWEIGHT_SLOT9 + " text not null, "
    + COLUMN_BTDEV_SOCIALWEIGHT_SLOT10 + " text not null, "
    + COLUMN_BTDEV_SOCIALWEIGHT_SLOT11 + " text not null, "
    + COLUMN_BTDEV_SOCIALWEIGHT_SLOT12 + " text not null, "
    + COLUMN_BTDEV_SOCIALWEIGHT_SLOT13 + " text not null, "
    + COLUMN_BTDEV_SOCIALWEIGHT_SLOT14 + " text not null, "
    + COLUMN_BTDEV_SOCIALWEIGHT_SLOT15 + " text not null, "
    + COLUMN_BTDEV_SOCIALWEIGHT_SLOT16 + " text not null, "
    + COLUMN_BTDEV_SOCIALWEIGHT_SLOT17 + " text not null, "
    + COLUMN_BTDEV_SOCIALWEIGHT_SLOT18 + " text not null, "
    + COLUMN_BTDEV_SOCIALWEIGHT_SLOT19 + " text not null, "
    + COLUMN_BTDEV_SOCIALWEIGHT_SLOT20 + " text not null, "
    + COLUMN_BTDEV_SOCIALWEIGHT_SLOT21 + " text not null, "
    + COLUMN_BTDEV_SOCIALWEIGHT_SLOT22 + " text not null, "
    + COLUMN_BTDEV_SOCIALWEIGHT_SLOT23 + " text not null, "
    + COLUMN_BTDEV_SOCIALWEIGHT_SLOT24 + " text not null"
    + ");";

```

6.14.3.81 final String com.social.proximity.SQLiteHelper.DATABASE_NAME = "database" [static], [private]

6.14.3.82 final int com.social.proximity.SQLiteHelper.DATABASE_VERSION = 2 [static], [private]

6.14.3.83 final String com.social.proximity.SQLiteHelper.TABLE_BTDEVICE = "btdevices" [static]

6.14.3.84 final String com.social.proximity.SQLiteHelper.TABLE_BTDEVICEAVERAGEENCOUNTERDURATION =
"btdevice_averageencounterduration" [static]

6.14.3.85 final String com.social.proximity.SQLiteHelper.TABLE_BTDEVICEENCOUNTERDURATION =
"btdevice_encounterduration" [static]

6.14.3.86 final String com.social.proximity.SQLiteHelper.TABLE_BTDEVICESOCIALWEIGHT = "btdevice_socialweight"
[static]

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

- src/com/social/proximity/[SQLiteHelper.java](#)

Chapter 7

File Documentation

7.1 `src/com/social/proximity/BTDeviceFinder.java` File Reference

Classes

- interface [com.social.proximity.BTDeviceFinder](#)

Packages

- package [com.social.proximity](#)

7.2 `src/com/social/proximity/BTManager.java` File Reference

Classes

- class [com.social.proximity.BTManager](#)
- class **com.social.proximity.BTManager.FindBluetoothDevice**
- class **com.social.proximity.BTManager.adapterBroadcastReceiver**

Packages

- package [com.social.proximity](#)

7.3 `src/com/social/proximity/BTUserDevAverageEncounterDuration.java` File Reference

Classes

- class [com.social.proximity.BTUserDevAverageEncounterDuration](#)

Packages

- package [com.social.proximity](#)

7.4 `src/com/social/proximity/BTUserDevEncounterDuration.java` File Reference

Classes

- class [com.social.proximity.BTUserDevEncounterDuration](#)

Packages

- package [com.social.proximity](#)

7.5 `src/com/social/proximity/BTUserDevice.java` File Reference

Classes

- class [com.social.proximity.BTUserDevice](#)

Packages

- package [com.social.proximity](#)

7.6 `src/com/social/proximity/BTUserDevSocialWeight.java` File Reference

Classes

- class [com.social.proximity.BTUserDevSocialWeight](#)

Packages

- package [com.social.proximity](#)

7.7 `src/com/social/proximity/ChangeListener.java` File Reference

Classes

- interface [com.social.proximity.ChangeListener](#)

Packages

- package [com.social.proximity](#)

7.8 `src/com/social/proximity/DataBaseChangeListener.java` File Reference

Classes

- interface [com.social.proximity.DataBaseChangeListener](#)

Packages

- package [com.social.proximity](#)

7.9 src/com/social/proximity/DatabaseFunctions.java File Reference

Classes

- class [com.social.proximity.DatabaseFunctions](#)

Packages

- package [com.social.proximity](#)

7.10 src/com/social/proximity/OnNewHourUpdate.java File Reference

Classes

- class [com.social.proximity.OnNewHourUpdate](#)

Packages

- package [com.social.proximity](#)

7.11 src/com/social/proximity/SocialProximity.java File Reference

Classes

- class [com.social.proximity.SocialProximity](#)
- class [com.social.proximity.SocialProximity.CustomComparator](#)
- class **[com.social.proximity.SocialProximity.ServiceBTListener](#)**

Packages

- package [com.social.proximity](#)

7.12 src/com/social/proximity/SocialWeight.java File Reference

Classes

- class [com.social.proximity.SocialWeight](#)

Packages

- package [com.social.proximity](#)

7.13 src/com/social/proximity/SQLiteHelper.java File Reference

Classes

- class [com.social.proximity.SQLiteHelper](#)

Packages

- package [com.social.proximity](#)