Smart Chair

Projekt Systementwicklung

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Chapter 1

Namespace Index

1.1 Packages

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

com	,
com.example	(
com.example.dns	(
com.example.dns.smartchair	(

2 Namespace Index

Chapter 2

Hierarchical Index

2.1 Class Hierarchy

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

com. example. dns. smartchair. Per sistence Manager								 					30
com.example.dns.smartchair.ProfileManager								 					37
com.example.dns.smartchair.UserProfile								 					44
AppCompatActivity													
com.example.dns.smartchair.EditProfile													11
com.example.dns.smartchair.MainActivity													19
com.example.dns.smartchair.ProfileList													33

4 Hierarchical Index

Chapter 3

Class Index

3.1 Class List

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

com.example.dns.smartchair.EditProfile									 		. 1
com.example.dns.smartchair.MainActivity									 		. 1
com.example.dns.smartchair.PersistenceManager									 		. 3
com.example.dns.smartchair.ProfileList									 		. 3
com.example.dns.smartchair.ProfileManager									 		. 3
com.example.dns.smartchair.UserProfile									 		. 4

6 Class Index

Chapter 4

File Index

4.1 File List

Here is a list of all files with brief descriptions:

EditProfile.java .												 										49
MainActivity.java												 										49
PersistenceManage	er.ja	ava	а.									 										49
ProfileList.java .												 										50
ProfileManager.jav	а.											 										50
UserProfile.iava .												 										50

8 File Index

Chapter 5

Namespace Documentation

5.1	Package	com
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Packages

• package example

5.2 Package com.example

Packages

• package dns

5.3 Package com.example.dns

Packages

• package smartchair

5.4 Package com.example.dns.smartchair

Classes

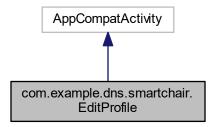
- class EditProfile
- class MainActivity
- class PersistenceManager
- class ProfileList
- class ProfileManager
- · class UserProfile

Chapter 6

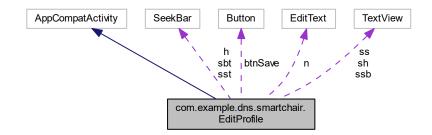
Class Documentation

6.1 com.example.dns.smartchair.EditProfile Class Reference

Inheritance diagram for com.example.dns.smartchair.EditProfile:



 $Collaboration\ diagram\ for\ com. example. dns. smartchair. Edit Profile:$



Protected Member Functions

void onCreate (Bundle savedInstanceState)

Activity is started. Called when the activity is starting. Bundle: If the activity is being re-initialized after previously being shut down then this Bundle contains the data it most recently supplied in onSaveInstanceState(Bundle).

· void setButtons ()

Button is pressed. Set a message to be sent when a button is pressed.

void updateProfile ()

Updates the used profile. Seat position and height can be edited. Name change is only permitted whether the name is not already given to an other profile.

• void addProfile ()

Adds the new created profile. Setting of seat position and height. Setting the name is only permitted whether the name is not already given to an other profile.

void setViewValues ()

Sets the selected values. Seat position and height are to be selected by seek bar.

Package Attributes

- Button btnSave
- · boolean newItem
- · SeekBar sst
- SeekBar sbt
- SeekBar h
- EditText n
- TextView sh
- TextView ss
- TextView ssb

Private Member Functions

• boolean checkDuplicates (String name, boolean edit)

Checks for duplicates Compareing the profile's name to already given profiles' names.

6.1.1 Detailed Description

Definition at line 13 of file EditProfile.java.

6.1.2 Member Function Documentation

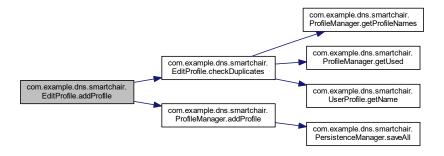
6.1.2.1 addProfile()

```
void com.example.dns.smartchair.EditProfile.addProfile ( ) [protected]
```

Adds the new created profile. Setting of seat position and height. Setting the name is only permitted whether the name is not already given to an other profile.

Definition at line 95 of file EditProfile.java.

Here is the call graph for this function:



Here is the caller graph for this function:

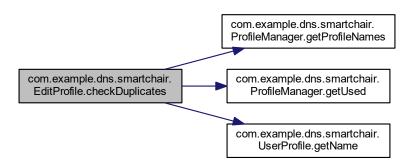


6.1.2.2 checkDuplicates()

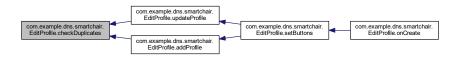
Checks for duplicates Compareing the profile's name to already given profiles' names.

Definition at line 199 of file EditProfile.java.

Here is the call graph for this function:



Here is the caller graph for this function:



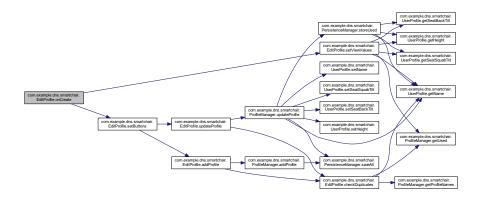
6.1.2.3 onCreate()

```
\begin{tabular}{ll} {\tt void com.example.dns.smartchair.EditProfile.onCreate (} \\ {\tt Bundle} \ \ savedInstanceState \ ) \ \ \ [protected] \end{tabular}
```

Activity is started. Called when the activity is starting. Bundle: If the activity is being re-initialized after previously being shut down then this Bundle contains the data it most recently supplied in onSaveInstanceState(Bundle).

Definition at line 29 of file EditProfile.java.

Here is the call graph for this function:



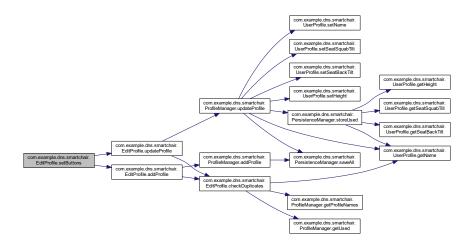
6.1.2.4 setButtons()

```
void com.example.dns.smartchair.EditProfile.setButtons ( ) [protected]
```

Button is pressed. Set a message to be sent when a button is pressed.

Definition at line 50 of file EditProfile.java.

Here is the call graph for this function:



Here is the caller graph for this function:



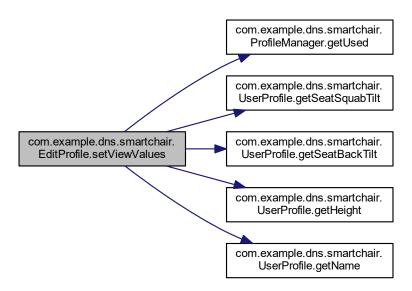
6.1.2.5 setViewValues()

```
void com.example.dns.smartchair.EditProfile.setViewValues ( ) [protected]
```

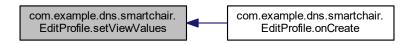
Sets the selected values. Seat position and height are to be selected by seek bar.

Definition at line 115 of file EditProfile.java.

Here is the call graph for this function:



Here is the caller graph for this function:



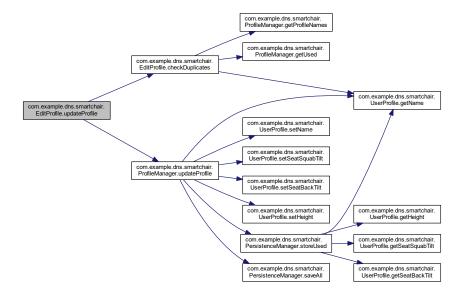
6.1.2.6 updateProfile()

void com.example.dns.smartchair.EditProfile.updateProfile () [protected]

Updates the used profile. Seat position and height can be edited. Name change is only permitted whether the name is not already given to an other profile.

Definition at line 74 of file EditProfile.java.

Here is the call graph for this function:



Here is the caller graph for this function:



6.1.3 Member Data Documentation

6.1.3.1 btnSave

Button com.example.dns.smartchair.EditProfile.btnSave [package]

Definition at line 14 of file EditProfile.java.

6.1.3.2 h

SeekBar com.example.dns.smartchair.EditProfile.h [package]

Definition at line 18 of file EditProfile.java.

6.1.3.3 n

EditText com.example.dns.smartchair.EditProfile.n [package]

Definition at line 19 of file EditProfile.java.

6.1.3.4 newItem

boolean com.example.dns.smartchair.EditProfile.newItem [package]

Definition at line 15 of file EditProfile.java.

6.1.3.5 sbt

SeekBar com.example.dns.smartchair.EditProfile.sbt [package]

Definition at line 17 of file EditProfile.java.

6.1.3.6 sh

TextView com.example.dns.smartchair.EditProfile.sh [package]

Definition at line 20 of file EditProfile.java.

6.1.3.7 ss

TextView com.example.dns.smartchair.EditProfile.ss [package]

Definition at line 21 of file EditProfile.java.

6.1.3.8 ssb

TextView com.example.dns.smartchair.EditProfile.ssb [package]

Definition at line 22 of file EditProfile.java.

6.1.3.9 sst

SeekBar com.example.dns.smartchair.EditProfile.sst [package]

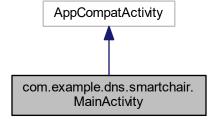
Definition at line 16 of file EditProfile.java.

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

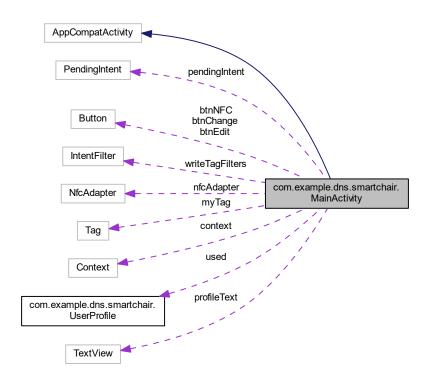
· EditProfile.java

6.2 com.example.dns.smartchair.MainActivity Class Reference

 $Inheritance\ diagram\ for\ com. example. dns. smartchair. Main Activity:$



Collaboration diagram for com.example.dns.smartchair.MainActivity:



Public Member Functions

• void onPause ()

NFC discovery is paused. The NFC discovery in the foreground gets deactivated when the activity is paused (no longer in the foreground).

· void onResume ()

NFC discovery is activated. The activation of the NFC discovery in the foreground will be initialized at the activity wake up.

Protected Member Functions

• void onCreate (Bundle savedInstanceState)

Activity is started. Called when the activity is starting. Bundle: If the activity is being re-initialized after previously being shut down then this Bundle contains the data it most recently supplied in onSaveInstanceState(Bundle).

· void setButtons ()

Button is pressed. Set a message to be sent when a button is pressed.

· void setTexts ()

Button is pressed. Sets the text of this TextComponent to the specified text.

void onNewIntent (Intent intent)

Set launchMode to "singleTop" in activity's package the activity will not be launched if it is already running at the top of the history stack. It will not relaunch just show from stack.

Package Attributes

- Button btnChange
- Button btnEdit
- Button btnNFC
- TextView profileText
- · UserProfile used
- · String seatSquab
- String seatBack
- · String height
- NfcAdapter nfcAdapter
- PendingIntent pendingIntent
- IntentFilter writeTagFilters []
- boolean writeMode
- Tag myTag
- · Context context

Private Member Functions

• void readFromIntent (Intent intent)

Recovery of tag object Tests whether intent filter matches the discovery of and NFC-enabled device and processes the intent. Calls buildTagViews(msgs).

void buildTagViews (NdefMessage[] msgs)

Builds the tag view. Getting the information an and the NDEF content from the NFC activity.

· void write (String text, Tag tag) throws IOException, FormatException

Writes the message to a deteced tag. Gets the instance of NDEF for the tag and enables I/O. Wrties the message to the tag and closes the connection.

NdefRecord createRecord (String text) throws UnsupportedEncodingException

Creating an NDEF record Creates an NDEF message with a single text record, with language code "en" and the given text, encoded using US-ASCII.

• void WriteModeOn ()

Enable foreground dispatch to the given Activity. This will give priority to the foreground activity when dispatching a discovered Tag to the application.

void WriteModeOff ()

Disable foreground dispatch Disable foreground dispatch to the given activity.

6.2.1 Detailed Description

Definition at line 27 of file MainActivity.java.

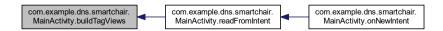
6.2.2 Member Function Documentation

6.2.2.1 buildTagViews()

Builds the tag view. Getting the information an and the NDEF content from the NFC activity.

Definition at line 172 of file MainActivity.java.

Here is the caller graph for this function:



6.2.2.2 createRecord()

Creating an NDEF record Creates an NDEF message with a single text record, with language code "en" and the given text, encoded using US-ASCII.

Definition at line 219 of file MainActivity.java.

Here is the caller graph for this function:

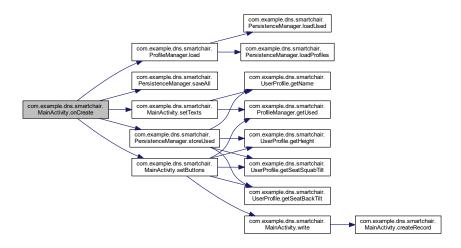


6.2.2.3 onCreate()

Activity is started. Called when the activity is starting. Bundle: If the activity is being re-initialized after previously being shut down then this Bundle contains the data it most recently supplied in onSaveInstanceState(Bundle).

Definition at line 51 of file MainActivity.java.

Here is the call graph for this function:



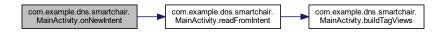
6.2.2.4 onNewIntent()

```
\begin{tabular}{ll} \begin{tabular}{ll} void & com.example.dns.smartchair.MainActivity.onNewIntent ( \\ & Intent & intent ) & [protected] \end{tabular}
```

Set launchMode to "singleTop" in activity's package the activity will not be launched if it is already running at the top of the history stack. It will not relaunch just show from stack.

Definition at line 243 of file MainActivity.java.

Here is the call graph for this function:



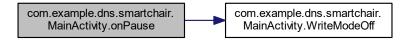
6.2.2.5 onPause()

```
void com.example.dns.smartchair.MainActivity.onPause ( )
```

NFC discovery is paused. The NFC discovery in the foreground gets deactivated when the activity is paused (no longer in the foreground).

Definition at line 257 of file MainActivity.java.

Here is the call graph for this function:



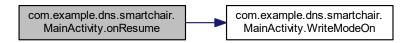
6.2.2.6 onResume()

```
void com.example.dns.smartchair.MainActivity.onResume ( )
```

NFC discovery is activated. The activation of the NFC discovery in the foreground will be initialized at the activity wake up.

Definition at line 265 of file MainActivity.java.

Here is the call graph for this function:



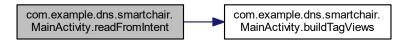
6.2.2.7 readFromIntent()

```
\begin{tabular}{ll} \begin{tabular}{ll} void & com.example.dns.smartchair.MainActivity.readFromIntent ( \\ & Intent & intent ) & [private] \end{tabular}
```

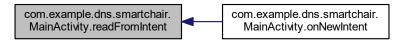
Recovery of tag object Tests whether intent filter matches the discovery of and NFC-enabled device and processes the intent. Calls buildTagViews(msgs).

Definition at line 151 of file MainActivity.java.

Here is the call graph for this function:



Here is the caller graph for this function:



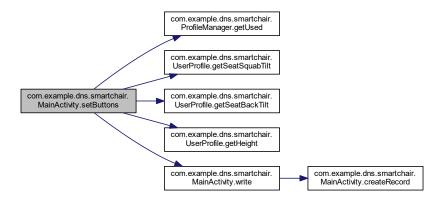
6.2.2.8 setButtons()

void com.example.dns.smartchair.MainActivity.setButtons () [protected]

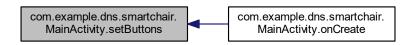
Button is pressed. Set a message to be sent when a button is pressed.

Definition at line 86 of file MainActivity.java.

Here is the call graph for this function:



Here is the caller graph for this function:



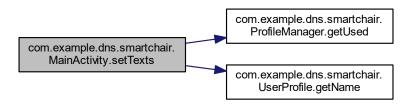
6.2.2.9 setTexts()

```
void com.example.dns.smartchair.MainActivity.setTexts ( ) [protected]
```

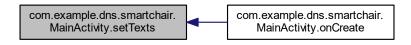
Button is pressed. Sets the text of this TextComponent to the specified text.

Definition at line 140 of file MainActivity.java.

Here is the call graph for this function:



Here is the caller graph for this function:



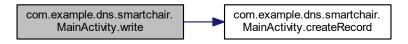
6.2.2.10 write()

```
void com.example.dns.smartchair.MainActivity.write ( String \ text, Tag \ tag \ ) \ throws \ IOException, \ FormatException \ [private]
```

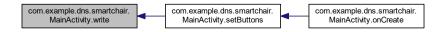
Writes the message to a deteced tag. Gets the instance of NDEF for the tag and enables I/O. Wrties the message to the tag and closes the connection.

Definition at line 202 of file MainActivity.java.

Here is the call graph for this function:



Here is the caller graph for this function:



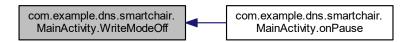
6.2.2.11 WriteModeOff()

void com.example.dns.smartchair.MainActivity.WriteModeOff () [private]

Disable foreground dispatch Disable foreground dispatch to the given activity.

Definition at line 279 of file MainActivity.java.

Here is the caller graph for this function:



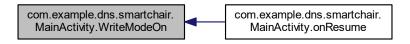
6.2.2.12 WriteModeOn()

void com.example.dns.smartchair.MainActivity.WriteModeOn () [private]

Enable foreground dispatch to the given Activity. This will give priority to the foreground activity when dispatching a discovered Tag to the application.

Definition at line 272 of file MainActivity.java.

Here is the caller graph for this function:



6.2.3 Member Data Documentation

6.2.3.1 btnChange

Button com.example.dns.smartchair.MainActivity.btnChange [package]

Definition at line 29 of file MainActivity.java.

6.2.3.2 btnEdit

Button com.example.dns.smartchair.MainActivity.btnEdit [package]

Definition at line 30 of file MainActivity.java.

6.2.3.3 btnNFC

Button com.example.dns.smartchair.MainActivity.btnNFC [package]

Definition at line 31 of file MainActivity.java.

6.2.3.4 context

Context com.example.dns.smartchair.MainActivity.context [package]

Definition at line 44 of file MainActivity.java.

6.2.3.5 height

String com.example.dns.smartchair.MainActivity.height [package]

Definition at line 37 of file MainActivity.java.

6.2.3.6 myTag

Tag com.example.dns.smartchair.MainActivity.myTag [package]

Definition at line 43 of file MainActivity.java.

6.2.3.7 nfcAdapter

NfcAdapter com.example.dns.smartchair.MainActivity.nfcAdapter [package]

Definition at line 39 of file MainActivity.java.

6.2.3.8 pendingIntent

PendingIntent com.example.dns.smartchair.MainActivity.pendingIntent [package]

Definition at line 40 of file MainActivity.java.

6.2.3.9 profileText

TextView com.example.dns.smartchair.MainActivity.profileText [package]

Definition at line 32 of file MainActivity.java.

6.2.3.10 seatBack

String com.example.dns.smartchair.MainActivity.seatBack [package]

Definition at line 36 of file MainActivity.java.

6.2.3.11 seatSquab

String com.example.dns.smartchair.MainActivity.seatSquab [package]

Definition at line 35 of file MainActivity.java.

6.2.3.12 used

UserProfile com.example.dns.smartchair.MainActivity.used [package]

Definition at line 34 of file MainActivity.java.

6.2.3.13 writeMode

boolean com.example.dns.smartchair.MainActivity.writeMode [package]

Definition at line 42 of file MainActivity.java.

6.2.3.14 writeTagFilters

IntentFilter com.example.dns.smartchair.MainActivity.writeTagFilters[] [package]

Definition at line 41 of file MainActivity.java.

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

· MainActivity.java

6.3 com.example.dns.smartchair.PersistenceManager Class Reference

Static Public Member Functions

- static final List < UserProfile > loadProfiles (Context c)
 Loads profiles from file. Reads profiles from file and adds them to profile list.
- static final void saveAll (Context c, List< UserProfile > pr)

Saves all profiles from list. Saves all profiles to list and creates a JSON file.

• static final void storeUsed (Context c, UserProfile p)

Stores the used profile. JSON object gets information of currently used profil and creates file.

• static final UserProfile loadUsed (Context c)

Loads currently used profil. Reads currently usee profile's JSON file and returns it.

6.3.1 Detailed Description

Definition at line 16 of file PersistenceManager.java.

6.3.2 Member Function Documentation

6.3.2.1 loadProfiles()

```
static final List<br/> \tt UserProfile \gt com.example.dns.smartchair.PersistenceManager.loadProfiles (Context <math>c) [static]
```

Loads profiles from file. Reads profiles from file and adds them to profile list.

Definition at line 22 of file PersistenceManager.java.

Here is the caller graph for this function:



6.3.2.2 loadUsed()

```
static final {\tt UserProfile} com.example.dns.smartchair.PersistenceManager.loadUsed ( Context c ) [static]
```

Loads currently used profil. Reads currently usee profile's JSON file and returns it.

Definition at line 102 of file PersistenceManager.java.

Here is the caller graph for this function:

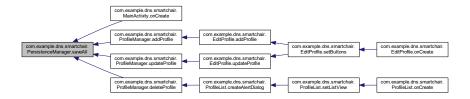


6.3.2.3 saveAll()

Saves all profiles from list. Saves all profiles to list and creates a JSON file.

Definition at line 56 of file PersistenceManager.java.

Here is the caller graph for this function:

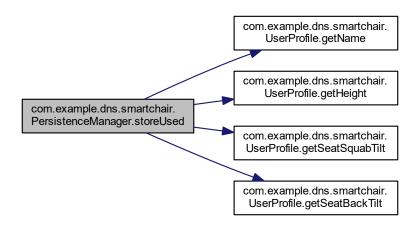


6.3.2.4 storeUsed()

Stores the used profile. JSON object gets information of currently used profil and creates file.

Definition at line 80 of file PersistenceManager.java.

Here is the call graph for this function:



Here is the caller graph for this function:

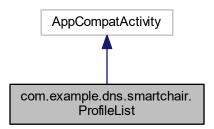


The documentation for this class was generated from the following file:

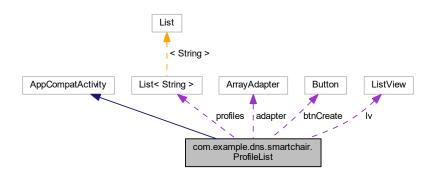
PersistenceManager.java

6.4 com.example.dns.smartchair.ProfileList Class Reference

Inheritance diagram for com.example.dns.smartchair.ProfileList:



Collaboration diagram for com.example.dns.smartchair.ProfileList:



Protected Member Functions

• void onCreate (Bundle savedInstanceState)

Activity is started. Called when the activity is starting. Bundle: If the activity is being re-initialized after previously being shut down then this Bundle contains the data it most recently supplied in onSaveInstanceState(Bundle).

• void setButtons ()

Button is pressed. Set a message to be sent when a button is pressed.

void setListView ()

Sets list to listView. Profile will be set to listview in activity. In case of removing an object from list it calles the function to create a n alert dialog.

Package Attributes

- Button btnCreate
- ListView Iv
- List< String > profiles
- ArrayAdapter adapter

Private Member Functions

· void createAlertDialog (final int pos)

Creates an alert dialog. Whenever a profile should get removed from list an alert dialog will appear. Making sure the selected profile is to be removed.

· void updateList (int pos)

Updates the list of profiles. Removes profile from list on it's position and notifies. Is called whenever the observed object is changed.

6.4.1 Detailed Description

Definition at line 16 of file ProfileList.java.

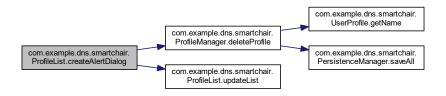
6.4.2 Member Function Documentation

6.4.2.1 createAlertDialog()

Creates an alert dialog. Whenever a profile should get removed from list an alert dialog will appear. Making sure the selected profile is to be removed.

Definition at line 82 of file ProfileList.java.

Here is the call graph for this function:





6.4.2.2 onCreate()

```
\begin{tabular}{ll} \begin{tabular}{ll} void & com.example.dns.smartchair.ProfileList.onCreate ( \\ & Bundle & savedInstanceState ) & [protected] \end{tabular}
```

Activity is started. Called when the activity is starting. Bundle: If the activity is being re-initialized after previously being shut down then this Bundle contains the data it most recently supplied in onSaveInstanceState(Bundle).

Definition at line 27 of file ProfileList.java.

Here is the call graph for this function:

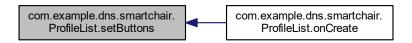


6.4.2.3 setButtons()

```
void com.example.dns.smartchair.ProfileList.setButtons ( ) [protected]
```

Button is pressed. Set a message to be sent when a button is pressed.

Definition at line 38 of file ProfileList.java.



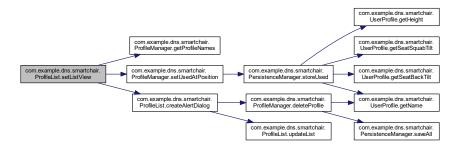
6.4.2.4 setListView()

```
void com.example.dns.smartchair.ProfileList.setListView ( ) [protected]
```

Sets list to listView. Profile will be set to listview in activity. In case of removing an object from list it calles the function to create a n alert dialog.

Definition at line 55 of file ProfileList.java.

Here is the call graph for this function:



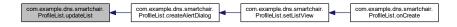
Here is the caller graph for this function:



6.4.2.5 updateList()

Updates the list of profiles. Removes profile from list on it's position and notifies. Is called whenever the observed object is changed.

Definition at line 101 of file ProfileList.java.



6.4.3 Member Data Documentation

6.4.3.1 adapter

ArrayAdapter com.example.dns.smartchair.ProfileList.adapter [package]

Definition at line 20 of file ProfileList.java.

6.4.3.2 btnCreate

Button com.example.dns.smartchair.ProfileList.btnCreate [package]

Definition at line 17 of file ProfileList.java.

6.4.3.3 lv

ListView com.example.dns.smartchair.ProfileList.lv [package]

Definition at line 18 of file ProfileList.java.

6.4.3.4 profiles

List<String> com.example.dns.smartchair.ProfileList.profiles [package]

Definition at line 19 of file ProfileList.java.

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

· ProfileList.java

6.5 com.example.dns.smartchair.ProfileManager Class Reference

Collaboration diagram for com.example.dns.smartchair.ProfileManager:



Static Public Member Functions

• static void load (Context c)

Loads profiles from PersistenceManager (p. 30). Used prifle and all profiles get loaded from Persistence Manager.

static List< String > getProfileNames ()

Gets the profile names from list. Get all created profiles' names from list.

static void setUsedAtPosition (int pos, Context c)

Sets used profile. Searches and sets the used profile by it's position in list.

• static UserProfile getUsed ()

Gets the used profile. Returns the profile which is currently in use.

• static void addProfile (String name, int sst, int sbt, int h, Context c)

Adds a new profile to list. A new profile gets added to the profiles' list and gets persistend by Persistence Manager.

static UserProfile getProfileAtPostion (int pos)

Gets the profile on a specific position. Returns a profile on a specific position in the list.

• static void **updateProfile** (String name, int seatSquab, int seatBack, int height, Context c)

Updates the profile's settings. Sets the changes of a profile and makes it persistend.

• static boolean **deleteProfile** (int pos, Context c)

Removes profile from list. Gets the profile which is to be removed from list by its position in the list. Whether profile is currently in use it cannot be removed.

Static Private Attributes

- · static UserProfile usedProfile
- static List
 UserProfile > allProfiles

6.5.1 Detailed Description

Definition at line 9 of file ProfileManager.java.

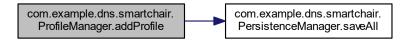
6.5.2 Member Function Documentation

6.5.2.1 addProfile()

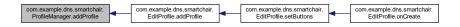
Adds a new profile to list. A new profile gets added to the profiles' list and gets persistend by Persistence Manager.

Definition at line 50 of file ProfileManager.java.

Here is the call graph for this function:



Here is the caller graph for this function:



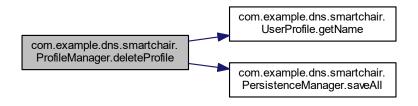
6.5.2.2 deleteProfile()

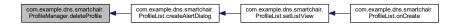
```
static boolean com.example.dns.smartchair.ProfileManager.deleteProfile ( int\ pos, Context c ) [static]
```

Removes profile from list. Gets the profile which is to be removed from list by its position in the list. Whether profile is currently in use it cannot be removed.

Definition at line 85 of file ProfileManager.java.

Here is the call graph for this function:





6.5.2.3 getProfileAtPostion()

```
static UserProfile com.example.dns.smartchair.ProfileManager.getProfileAtPostion (int <math>pos) [static]
```

Gets the profile on a specific position. Returns a profile on a specific position in the list.

Definition at line 61 of file ProfileManager.java.

6.5.2.4 getProfileNames()

```
static List<String> com.example.dns.smartchair.ProfileManager.getProfileNames ( ) [static]
```

Gets the profile names from list. Get all created profiles' names from list.

Definition at line 24 of file ProfileManager.java.

Here is the caller graph for this function:

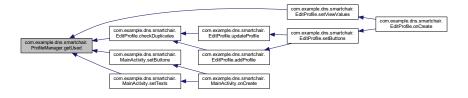


6.5.2.5 getUsed()

```
\verb|static| & \textbf{UserProfile}| & \verb|com.example.dns.smartchair.ProfileManager.getUsed () & [static] \\
```

Gets the used profile. Returns the profile which is currently in use.

Definition at line 43 of file ProfileManager.java.

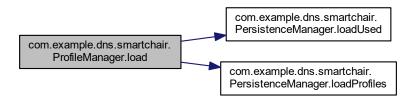


6.5.2.6 load()

Loads profiles from PersistenceManager (p. 30). Used prifle and all profiles get loaded from Persistence Manager.

Definition at line 16 of file ProfileManager.java.

Here is the call graph for this function:



Here is the caller graph for this function:

```
com.example.dns.smartchair.
ProfileManager.load

com.example.dns.smartchair.
MainActivity.onCreate
```

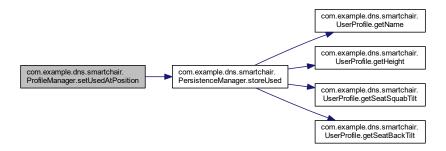
6.5.2.7 setUsedAtPosition()

```
static void com.example.dns.smartchair.ProfileManager.setUsedAtPosition ( int\ pos, Context\ c\ )\ [static]
```

Sets used profile. Searches and sets the used profile by it's position in list.

Definition at line 35 of file ProfileManager.java.

Here is the call graph for this function:



Here is the caller graph for this function:

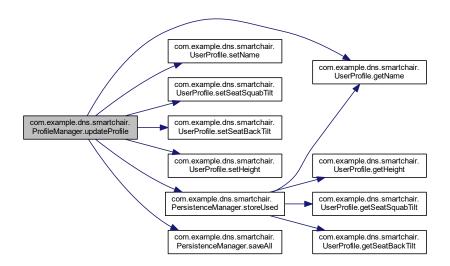


6.5.2.8 updateProfile()

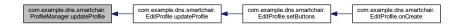
Updates the profile's settings. Sets the changes of a profile and makes it persistend.

Definition at line 68 of file ProfileManager.java.

Here is the call graph for this function:



Here is the caller graph for this function:



6.5.3 Member Data Documentation

6.5.3.1 allProfiles

List< UserProfile> com.example.dns.smartchair.ProfileManager.allProfiles [static], [private]

Definition at line 11 of file ProfileManager.java.

6.5.3.2 usedProfile

UserProfile com.example.dns.smartchair.ProfileManager.usedProfile [static], [private]

Definition at line 10 of file ProfileManager.java.

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

· ProfileManager.java

6.6 com.example.dns.smartchair.UserProfile Class Reference

Public Member Functions

• UserProfile (String s, int sst, int sbt, int h)

Constructor of user prfile. User profile gets constructed.

• final String getName ()

Get name. Returns user's name.

• final void setName (String name)

Set name. Sets user's name to delivered parameter.

final int getSeatSquabTilt ()

Gets leg rest tilt. Returns the tilt of leg rest position.

• final void setSeatSquabTilt (int s)

Sets leg rest tilt. Sets the tilt of leg rest position to delivered value.

• final int getSeatBackTilt ()

Gets back rest tilt. Returns the tilt of back rest position.

final void setSeatBackTilt (int s)

Sets back rest tilt. Sets the tilt of back rest position to delivered value.

• final int getHeight ()

Gets height. Returns the height of the chair.

• final void setHeight (int h)

Sets height. Sets the height of the chair to delivered value.

Private Attributes

- String name
- int seatSquabTilt
- int seatBackTilt
- int height

6.6.1 Detailed Description

Definition at line 3 of file UserProfile.java.

6.6.2 Constructor & Destructor Documentation

6.6.2.1 UserProfile()

Constructor of user prfile. User profile gets constructed.

Definition at line 13 of file UserProfile.java.

6.6.3 Member Function Documentation

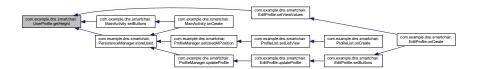
6.6.3.1 getHeight()

final int com.example.dns.smartchair.UserProfile.getHeight ()

Gets height. Returns the height of the chair.

Definition at line 65 of file UserProfile.java.

Here is the caller graph for this function:



6.6.3.2 getName()

final String com.example.dns.smartchair.UserProfile.getName ()

Get name. Returns user's name.

Definition at line 23 of file UserProfile.java.



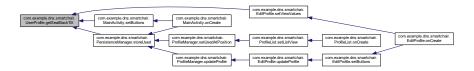
6.6.3.3 getSeatBackTilt()

```
final int com.example.dns.smartchair.UserProfile.getSeatBackTilt ( )
```

Gets back rest tilt. Returns the tilt of back rest position.

Definition at line 51 of file UserProfile.java.

Here is the caller graph for this function:



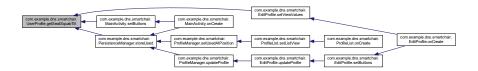
6.6.3.4 getSeatSquabTilt()

```
final int com.example.dns.smartchair.UserProfile.getSeatSquabTilt ( )
```

Gets leg rest tilt. Returns the tilt of leg rest position.

Definition at line 37 of file UserProfile.java.

Here is the caller graph for this function:



6.6.3.5 setHeight()

```
final void com.example.dns.smartchair.UserProfile.setHeight (  \qquad \qquad \text{int } h \ )
```

Sets height. Sets the height of the chair to delivered value.

Definition at line 72 of file UserProfile.java.



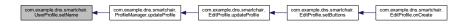
6.6.3.6 setName()

```
final void com.example.dns.smartchair.UserProfile.setName ( String\ name\ )
```

Set name. Sets user's name to delivered parameter.

Definition at line 30 of file UserProfile.java.

Here is the caller graph for this function:



6.6.3.7 setSeatBackTilt()

```
final void com.example.dns.smartchair.UserProfile.setSeatBackTilt (  \qquad \qquad \text{int } s \text{ )} \\
```

Sets back rest tilt. Sets the tilt of back rest position to delivered value.

Definition at line 58 of file UserProfile.java.

Here is the caller graph for this function:



6.6.3.8 setSeatSquabTilt()

```
final void com.example.dns.smartchair.UserProfile.setSeatSquabTilt (  \qquad \qquad \text{int } s \ )
```

Sets leg rest tilt. Sets the tilt of leg rest position to delivered value.

Definition at line 44 of file UserProfile.java.

```
com.example.dns.smartchair.
UserProfile.setSeatSquabflit

| Com.example.dns.smartchair.
| Com.example.dns.smartchair.
| Com.example.dns.smartchair.
| Com.example.dns.smartchair.
| EditProfile.setButtons | EditProfile.setB
```

6.6.4 Member Data Documentation

6.6.4.1 height

int com.example.dns.smartchair.UserProfile.height [private]

Definition at line 7 of file UserProfile.java.

6.6.4.2 name

String com.example.dns.smartchair.UserProfile.name [private]

Definition at line 4 of file UserProfile.java.

6.6.4.3 seatBackTilt

int com.example.dns.smartchair.UserProfile.seatBackTilt [private]

Definition at line 6 of file UserProfile.java.

6.6.4.4 seatSquabTilt

int com.example.dns.smartchair.UserProfile.seatSquabTilt [private]

Definition at line 5 of file UserProfile.java.

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

· UserProfile.java

Chapter 7

File Documentation

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· class com.example.dns.smartchair.EditProfile

Packages

• package com.example.dns.smartchair

7.2 MainActivity.java File Reference

Classes

• class com.example.dns.smartchair.MainActivity

Packages

• package com.example.dns.smartchair

7.3 PersistenceManager.java File Reference

Classes

• class com.example.dns.smartchair.PersistenceManager

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• package com.example.dns.smartchair

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7.4 ProfileList.java File Reference

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• package com.example.dns.smartchair

7.5 ProfileManager.java File Reference

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· class com.example.dns.smartchair.ProfileManager

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• package com.example.dns.smartchair

7.6 UserProfile.java File Reference

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