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Package activities

Class Summary

AdminProductActivity

Class for admin that shows the product list

AdministrationActivity

A simple class representing the activity of the administration.xml layout, which only admins can enter.

BillListActivity

Class represents a list of bills

HistoryActivity

This activity shows the history of the products the user has bought

LoginActivity

Activity of the login screen

MainmenueActivity

Activity of the main menu

MyAccountActivity

Class which shows information about the user

ProductlistActivity

Activity for a list of products

RegisterActivity

Activity for registration

UserListActivity

This Activity represents User list

activities

Class AdminProductActivity

```
java.lang.Object
    |
    +--android.app.Activity
        |
        +--android.support.v4.app.FragmentActivity
            |
            +--android.support.v7.app.ActionBarActivity
                |
                +--activities.AdminProductActivity
```

All Implemented Interfaces:

android.support.v4.app.ActionBarDrawerToggle.DelegateProvider,
android.support.v4.app.TaskStackBuilder.SupportParentable,
android.support.v7.app.ActionBar.Callback,
android.support.v7.app.ActionBarDrawerToggle.TmpDelegateProvider, ResponseListener

---

< Fields > < Constructors > < Methods >

---

public class **AdminProductActivity**
extends android.support.v7.app.ActionBarActivity
implements ResponseListener

Class for admin that shows the product list

Author:

Simon

Fields

mContext

```
public Context mContext
```

---

mList

```
public static ListView mList
```

Constructors

AdminProductActivity

```
public  AdminProductActivity()
```

Methods

createAddDialog

`public Dialog **createAddDialog**()`

Dialog for adding a new product

Returns:

dialog Returns a dialog to write in the product data.

---

createChangeDialog

`public Dialog **createChangeDialog**(Product chosenProduct)`

Creates dialog to change the product.

Parameters:

chosenProduct - the clicked product

Returns:

dialog Returns a dialog to write in the new product data

---

getContext

`public Context **getContext**()`

---

getList

`public static ListView **getList**()`

---

handleIntent

`public void **handleIntent**(Intent intent)`

Method to handle the intent of the search dialog

Parameters:

intent - The input the user writes in the search dialog

---

onCreate

```
public void onCreate(Bundle savedInstanceState)
```

Overrides:

onCreate in class android.support.v7.app.ActionBarActivity

---

onCreateDialog

```
public Dialog onCreateDialog(Product chosenProduct)
```

Creates dialog when a list item is clicked

Parameters:

chosenProduct - The clicked product

Returns:

dialog Method returns a dialog

---

onCreateOptionsMenu

```
public boolean onCreateOptionsMenu(Menu menu)
```

---

onNewIntent

```
public void onNewIntent(Intent intent)
```

Overrides:

onNewIntent in class android.support.v4.app.FragmentActivity

---

onOptionsItemSelected

```
public boolean onOptionsItemSelected(MenuItem item)
```

---

responseReceived

```
public void responseReceived(java.lang.String message,
                             OnClickListener dialogClickListener)
```

---

responseReceived

```
public void responseReceived(java.lang.String message,
                             int a)
```

---

activities

Class AdministrationActivity

```
java.lang.Object
    |
    +--android.app.Activity
        |
        +--android.support.v4.app.FragmentActivity
            |
            +--android.support.v7.app.ActionBarActivity
                |
                +--activities.AdministrationActivity
```

All Implemented Interfaces:

android.support.v4.app.ActionBarDrawerToggle.DelegateProvider,
android.support.v4.app.TaskStackBuilder.SupportParentable,
android.support.v7.app.ActionBar.Callback,
android.support.v7.app.ActionBarDrawerToggle.TmpDelegateProvider

---

< Constructors > < Methods >

---

public class **AdministrationActivity**
extends android.support.v7.app.ActionBarActivity

A simple class representing the activity of the administration.xml layout, which only admins can enter.

Author:

Simon

Constructors

AdministrationActivity

```
public  AdministrationActivity()
```

Methods

onCreate

```
protected void onCreate(Bundle savedInstanceState)
```

Overrides:

onCreate in class android.support.v7.app.ActionBarActivity

---

onCreateOptionsMenu

```
public boolean onCreateOptionsMenu(Menu menu)
```

create options menu

---

onOptionsItemSelected

```
public boolean onOptionsItemSelected(MenuItem item)
```

---

openBilllist

```
public void openBilllist(View view)
```

Method to open the bill

Parameters:

view - onClick handles button click

---

openProductlist

```
public void openProductlist(View view)
```

Method to open the product list

Parameters:

view - onClick handles button click

---

openScanner

```
public void openScanner(View view)
```

---

openUserlist

```
public void openUserlist(View view)
```

Method to open the userlist

Parameters:

view - onClick handles button click

---

activities

Class BillListActivity

```
java.lang.Object
    |
    +--android.app.Activity
        |
        +--android.support.v4.app.FragmentActivity
            |
            +--android.support.v7.app.ActionBarActivity
                |
                +--activities.BillListActivity
```

All Implemented Interfaces:

android.support.v4.app.ActionBarDrawerToggle.DelegateProvider,
android.support.v4.app.TaskStackBuilder.SupportParentable,
android.support.v7.app.ActionBar.Callback,
android.support.v7.app.ActionBarDrawerToggle.TmpDelegateProvider, ResponseListener

---

< Fields > < Constructors > < Methods >

---

public class **BillListActivity**
extends android.support.v7.app.ActionBarActivity
implements ResponseListener

Class represents a list of bills

Author:

Simon

Fields

mContext

```
public Context mContext
```

Constructors

BillListActivity

```
public  BillListActivity()
```

Methods

getContext

```
public Context getContext()
```

---

onCreate

```
protected void onCreate(Bundle savedInstanceState)
```

Overrides:

onCreate in class android.support.v7.app.ActionBarActivity

---

onCreateDialog

```
public Dialog onCreateDialog(Bill clickedBill)
```

This method opens a dialog when a list item was clicked

Parameters:

clickedBill - The clicked bill item

Returns:

dialog Dialog to confirm when a user has payed.

---

onCreateOptionsMenu

```
public boolean onCreateOptionsMenu(Menu menu)
```

---

onOptionsItemSelected

```
public boolean onOptionsItemSelected(MenuItem item)
```

---

responseReceived

```
public void responseReceived(java.lang.String message,
                             OnClickListener dialogClickListener)
```

---

responseReceived

```
public void responseReceived(java.lang.String message,
                             int a)
```

---

activities

Class HistoryActivity

```
java.lang.Object
    |
    +--android.app.Activity
        |
        +--android.support.v4.app.FragmentActivity
            |
            +--android.support.v7.app.ActionBarActivity
                |
                +--activities.HistoryActivity
```

All Implemented Interfaces:

android.support.v4.app.ActionBarDrawerToggle.DelegateProvider,
android.support.v4.app.TaskStackBuilder.SupportParentable,
android.support.v7.app.ActionBar.Callback,
android.support.v7.app.ActionBarDrawerToggle.TmpDelegateProvider, ResponseListener

---

< Fields > < Constructors > < Methods >

---

public class **HistoryActivity**
extends android.support.v7.app.ActionBarActivity
implements ResponseListener

This activity shows the history of the products the user has bought

Author:

Simon

Fields

mContext

```
public Context mContext
```

Constructors

HistoryActivity

```
public  HistoryActivity()
```

Methods

checkHistoryMessage

```
public void checkHistoryMessage(java.lang.String message)
```

Method to check the message

Parameters:

message - The message from the server

---

getContext

```
public Context getContext()
```

---

getMoreHistories

```
public void getMoreHistories(View view)
```

Method to get 10 more objects of the history

Parameters:

view - Is needed for handling a button click

---

onCreate

```
protected void onCreate(Bundle savedInstanceState)
```

Overrides:

onCreate in class android.support.v7.app.ActionBarActivity

---

onCreateOptionsMenu

```
public boolean onCreateOptionsMenu(Menu menu)
```

---

onOptionsItemSelected

```
public boolean onOptionsItemSelected(MenuItem item)
```

---

responseReceived

```
public void responseReceived(java.lang.String message,
                             OnClickListener dialogClickListener)
```

---

responseReceived

```
public void responseReceived(java.lang.String message,
                             int a)
```

---

activities

Class LoginActivity

```
java.lang.Object
    |
    +--android.app.Activity
        |
        +--android.support.v4.app.FragmentActivity
            |
            +--android.support.v7.app.ActionBarActivity
                |
                +--activities.LoginActivity
```

All Implemented Interfaces:

android.support.v4.app.ActionBarDrawerToggle.DelegateProvider,
android.support.v4.app.TaskStackBuilder.SupportParentable,
android.support.v7.app.ActionBar.Callback,
android.support.v7.app.ActionBarDrawerToggle.TmpDelegateProvider, ResponseListener

---

< Fields > < Constructors > < Methods >

---

public class **LoginActivity**
extends android.support.v7.app.ActionBarActivity
implements ResponseListener

Activity of the login screen

Author:

Simon

Fields

mContext

```
public Context mContext
```

Constructors

LoginActivity

```
public  LoginActivity()
```

Methods

getContext

```
public Context getContext()
```

---

getHash

```
public static java.lang.String getHash(java.lang.String txt)
```

Method to get the MD5 of a string.

Parameters:

txt - The input (password)

Returns:

txt The MD5-hashed string

---

goToRegister

```
public void goToRegister(View view)
```

Method to enter the register screen when "Go to register" TextView is clicked.

Parameters:

view - Handles button clicks.

isNumeric

```
public static boolean isNumeric(java.lang.String str)
```

Checks if the string is a number

Parameters:

str - Input string to check.

Returns:

boolean Returns whether String is/isnt a number.

---

login

```
public void login(View view)
```

Method to login

Parameters:

view - Needed for clicking the button

---

logout

```
public void logout()
```

Method to logout. This method is called in startTimer(). A thread is started, handleLogoutMessage(String message) will handle the response of the server.

---

onCreate

```
protected void onCreate(Bundle savedInstanceState)
```

Overrides:

onCreate in class android.support.v7.app.ActionBarActivity

---

onCreateOptionsMenu

```
public boolean onCreateOptionsMenu(Menu menu)
```

---

responseReceived

```
public void responseReceived(java.lang.String message,
                             OnClickListener dialogClickListener)
```

---

responseReceived

```
public void responseReceived(java.lang.String message,
                             int a)
```

---

startTimer

```
public void startTimer()
```

Method to start timer for automatically logout

---

activities

Class MainmenueActivity

```
java.lang.Object
    |
    +--android.app.Activity
        |
        +--android.support.v4.app.FragmentActivity
            |
            +--android.support.v7.app.ActionBarActivity
                |
                +--activities.MainmenueActivity
```

All Implemented Interfaces:

android.support.v4.app.ActionBarDrawerToggle.DelegateProvider,
android.support.v4.app.TaskStackBuilder.SupportParentable,
android.support.v7.app.ActionBar.Callback,
android.support.v7.app.ActionBarDrawerToggle.TmpDelegateProvider, ResponseListener

---

< Fields > < Constructors > < Methods >

---

public class **MainmenueActivity**
extends android.support.v7.app.ActionBarActivity
implements ResponseListener

Activity of the main menu

Author:

Simon

Fields

mContext

```
final Context mContext
```

Constructors

MainmenueActivity

```
public  MainmenueActivity()
```

Methods

closeApp

```
public void closeApp(View view)
```

Method to close the app

Parameters:

view - Handles button clicks

---

getContext

```
public Context getContext()
```

---

logout

```
public void logout()
```

Method to logout

---

onBackPressed

```
public void onBackPressed()
```

Overrides:

onBackPressed in class android.support.v7.app.ActionBarActivity

onCreate

```
protected void onCreate(Bundle savedInstanceState)
```

Overrides:

onCreate in class android.support.v7.app.ActionBarActivity

onCreateOptionsMenu

```
public boolean onCreateOptionsMenu(Menu menu)
```

onOptionsItemSelected

```
public boolean onOptionsItemSelected(MenuItem item)
```

openMyAccount

```
public void openMyAccount(View view)
```

Method to open MyAccount

Parameters:

view - Button click

openProductList

```
public void openProductList(View view)
```

Method to open ProductList

Parameters:

view - Button click

openScanner

```
public void openScanner(View view)
```

method to open the BarcodeScanner

Parameters:

view - Used for click handling

openUserAdministration

```
public void openUserAdministration(View view)
```

Method to open user administration for admin

Parameters:

view - Button click

responseReceived

```
public void responseReceived(java.lang.String message,
                             android.content.DialogInterface.OnClickListener
dialogClickListener)
```

responseReceived

```
public void responseReceived(java.lang.String message,
                             int a)
```

activities

Class MyAccountActivity

```
java.lang.Object
    |
    +--android.app.Activity
        |
        +--android.support.v4.app.FragmentActivity
            |
            +--android.support.v7.app.ActionBarActivity
                |
                +--activities.MyAccountActivity
```

All Implemented Interfaces:

android.support.v4.app.ActionBarDrawerToggle.DelegateProvider,
android.support.v4.app.TaskStackBuilder.SupportParentable,
android.support.v7.app.ActionBar.Callback,
android.support.v7.app.ActionBarDrawerToggle.TmpDelegateProvider, ResponseListener

< Fields > < Constructors > < Methods >

public class **MyAccountActivity**
extends android.support.v7.app.ActionBarActivity
implements ResponseListener

Class which shows information about the user

Author:
Simon

Fields

mContext

`public Context` **`mContext`**

---

mResponseListener

`final` `ResponseListener` **`mResponseListener`**

Constructors

MyAccountActivity

`public` **`MyAccountActivity`**`()`

Methods

deleteUser

`public void` **`deleteUser`**`()`

Method to delete the own account

---

deleteUserDialog

`public void` **`deleteUserDialog`**`()`

Method opens a dialog to delete the account

---

getContext

`public Context` **`getContext`**`()`

---

getUserData

`public User getUserData(java.lang.String message)`

Method to get a user object

Returns:

u The user data from the user, who is logged in.

---

onCreate

`protected void onCreate(Bundle savedInstanceState)`

Overrides:

onCreate in class android.support.v7.app.ActionBarActivity

---

onCreateOptionsMenu

`public boolean onCreateOptionsMenu(Menu menu)`

---

onOptionsItemSelected

`public boolean onOptionsItemSelected(MenuItem item)`

---

openHistory

`public void openHistory(View view)`

Method to open the history

Parameters:

view - Button click

---

optionsDialog

`public void optionsDialog(View view)`

Method to create dialog when options is clicked

Parameters:

view - Handles button click

responseReceived

```
public void responseReceived(java.lang.String message,
                             OnClickListener dialogClickListener)
```

responseReceived

```
public void responseReceived(java.lang.String message,
                             int a)
```

activities

Class ProductlistActivity

```
java.lang.Object
    |
    +--android.app.Activity
        |
        +--android.support.v4.app.FragmentActivity
            |
            +--android.support.v7.app.ActionBarActivity
                |
                +--activities.ProductlistActivity
```

All Implemented Interfaces:

android.support.v4.app.ActionBarDrawerToggle.DelegateProvider,
android.support.v4.app.TaskStackBuilder.SupportParentable,
android.support.v7.app.ActionBar.Callback,
android.support.v7.app.ActionBarDrawerToggle.TmpDelegateProvider, ResponseListener

< Constructors > < Methods >

public class **ProductlistActivity**
extends android.support.v7.app.ActionBarActivity
implements ResponseListener

Activity for a list of products

Author:

Simon

Constructors

ProductlistActivity

```
public  ProductlistActivity()
```

Methods

bookProduct

```
public void bookProduct(java.lang.String barcode)
```

Method for booking a product. Opens a thread.

Parameters:

barcode - The barcode of the selected product

---

bookProductDialog

```
public void bookProductDialog(Product selectedProduct)
```

Dialog to confirm the booking of a product

Parameters:

selectedProduct - The clicked product

---

getContext

```
public Context getContext()
```

---

getList

```
public static ListView getList()
```

Method to get the listview of the activity

Returns:

mListView The ListView object

---

handleIntent

```
public void handleIntent(Intent intent)
```

Method that reacts to the input of the search dialog

Parameters:

intent - The input from the search dialog

---

onCreate

```
public void onCreate(Bundle savedInstanceState)
```

Overrides:

onCreate in class android.support.v7.app.ActionBarActivity

---

onCreateOptionsMenu

```
public boolean onCreateOptionsMenu(Menu menu)
```

---

onNewIntent

```
public void onNewIntent(Intent intent)
```

Overrides:

onNewIntent in class android.support.v4.app.FragmentActivity

---

onOptionsItemSelected

```
public boolean onOptionsItemSelected(MenuItem item)
```

---

responseReceived

```
public void responseReceived(java.lang.String message,
                             OnClickListener dialogClickListener)
```

---

responseReceived

```
public void responseReceived(java.lang.String message,
                             int a)
```

---

activities

Class RegisterActivity

```
java.lang.Object
    |
    +--android.app.Activity
        |
        +--android.support.v4.app.FragmentActivity
            |
            +--android.support.v7.app.ActionBarActivity
                |
                +--activities.RegisterActivity
```

All Implemented Interfaces:

android.support.v4.app.ActionBarDrawerToggle.DelegateProvider,
android.support.v4.app.TaskStackBuilder.SupportParentable,
android.support.v7.app.ActionBar.Callback,
android.support.v7.app.ActionBarDrawerToggle.TmpDelegateProvider, ResponseListener

---

< Fields > < Constructors > < Methods >

---

public class **RegisterActivity**
extends android.support.v7.app.ActionBarActivity
implements ResponseListener

Activity for registration

Author:

Simon

Fields

mContext

```
public Context mContext
```

Constructors

RegisterActivity

```
public  RegisterActivity()
```

Methods

getContext

```
public Context getContext()
```

---

goBack

```
public void goBack(View view)
```

---

login

```
public void login()
```

Method to login right after the registration.

---

onCreate

```
protected void onCreate(Bundle savedInstanceState)
```

Overrides:

onCreate in class android.support.v7.app.ActionBarActivity

---

onCreateOptionsMenu

```
public boolean onCreateOptionsMenu(Menu menu)
```

---

onOptionsItemSelected

```
public boolean onOptionsItemSelected(MenuItem item)
```

---

register

```
public void register(View view)
```

Method to register

Parameters:

view - Handles a button click

---

responseReceived

```
public void responseReceived(java.lang.String message,
                             OnClickListener dialogClickListener)
```

---

responseReceived

```
public void responseReceived(java.lang.String message,
                             int a)
```

---

activities

Class UserListActivity

```
java.lang.Object
    |
    +--android.app.Activity
        |
        +--android.support.v4.app.FragmentActivity
            |
            +--android.support.v7.app.ActionBarActivity
                |
                +--activities.UserListActivity
```

All Implemented Interfaces:

android.support.v4.app.ActionBarDrawerToggle.DelegateProvider,
android.support.v4.app.TaskStackBuilder.SupportParentable,
android.support.v7.app.ActionBar.Callback,
android.support.v7.app.ActionBarDrawerToggle.TmpDelegateProvider, ResponseListener

---

< Fields > < Constructors > < Methods >

---

public class **UserListActivity**
extends android.support.v7.app.ActionBarActivity
implements ResponseListener

This Activity represents User list

Author:

Simon

Fields

mContext

```
public Context mContext
```

Constructors

UserListActivity

```
public  UserListActivity()
```

Methods

deleteUserDialog

```
public void deleteUserDialog(User clickedUser)
```

This dialog opens if you want to delete a user from the list

Parameters:

clickedUser - The user that should be deleted

---

getContext

```
public Context getContext()
```

---

getList

```
public static ListView getList()
```

Method to get the list

Returns:

ListView Returns the ListView object.

---

handleIntent

`public void **handleIntent**(Intent intent)`

Method to handle the input of the SearchDialog

Parameters:

intent - The input of the dialog.

---

nameSearchDialog

`public Dialog **nameSearchDialog**()`

Dialog for the name search

Returns:

dialog Returns a Dialog

---

onCreate

`public void **onCreate**(Bundle savedInstanceState)`

Overrides:

onCreate in class android.support.v7.app.ActionBarActivity

---

onCreateDialog

`public Dialog **onCreateDialog**(User clickedUser)`

Method opens a dialog.

Parameters:

clickedUser - The clicked item

Returns:

Dialog A dialog for choosing between send a mail and delete a user.

---

onCreateOptionsMenu

`public boolean **onCreateOptionsMenu**(Menu menu)`

---

onNewIntent

```
public void onNewIntent(Intent intent)
```

Overrides:

onNewIntent in class android.support.v4.app.FragmentActivity

---

onOptionsItemSelected

```
public boolean onOptionsItemSelected(MenuItem item)
```

---

onSearchDialog

```
public Dialog onSearchDialog()
```

Dialog to choose mail- or name search

Returns:

dialog Returns a dialog.

---

openDeleteUserThread

```
public void openDeleteUserThread(User clickedUser)
```

Method starts a new thread to delete a chosen user.

Parameters:

clickedUser - The user who was clicked.

---

responseReceived

```
public void responseReceived(java.lang.String message,
                             OnClickListener dialogClickListener)
```

---

responseReceived

```
public void responseReceived(java.lang.String message,
                             int a)
```

---

searchMail

```
public AlertDialog searchMail()
```

Method to search a mail address.

Returns:

AlertDialog A dialog to write in the mail address

Package adapter

Class Summary

BillAdapter

This class represents an adapter for the BillList

BillAdapter.BillViewHolder

Class to set the TextViews, which will be put in one line of the list.

HistoryAdapter

Adapter that converts a history object in a line of a list

HistoryAdapter.HistoryViewHolder

Class to set three TextViews which will be represented in one line of the list

ProductAdapter

Adapter for product list.

ProductAdapter.ViewHolder

Holds three TextViews, which will be put in one line of the list.

UserAdapter

Adapter for a user list.

UserAdapter.UserViewHolder

Class to set the TextViews, which will be put in one line of the list.

---

adapter

Class BillAdapter

```
java.lang.Object
    |
    +--BaseAdapter
        |
        +--adapter.BillAdapter
```

< Constructors > < Methods >

---

public class **BillAdapter**
extends BaseAdapter

This class represents an adapter for the BillList

Author:

Simon

Constructors

BillAdapter

```
public  BillAdapter(Context coherence,
                    java.util.ArrayList resultList)
```

Adapter for bills. Sets a line of the list with three TextViews

Parameters:

coherence - The context
resultList - The list containing bill objects

Methods

getCount

```
public int getCount()
```

---

getItem

```
public java.lang.Object getItem(int position)
```

---

getItemId

```
public long getItemId(int position)
```

---

getView

```
public View getView(int position,
                    View newView,
                    ViewGroup parent)
```

adapter

Class BillAdapter.BillViewHolder

```
java.lang.Object
    |
    +--adapter.BillAdapter.BillViewHolder
```

< Fields > < Constructors >

---

static class **BillAdapter.BillViewHolder**
extends java.lang.Object

Class to set the TextViews, which will be put in one line of the list.

Author:
Simon

Fields

date

`TextView` **`date`**

---

price

`TextView` **`price`**

---

userName

`TextView` **`userName`**

Constructors

BillAdapter.BillViewHolder

`BillAdapter.BillViewHolder``()`

---

adapter

Class HistoryAdapter

```
java.lang.Object
    |
    +--BaseAdapter
        |
        +--adapter.HistoryAdapter
```

< Constructors > < Methods >

---

public class **HistoryAdapter**
extends BaseAdapter

Adapter that converts a history object in a line of a list

Author:
Simon

Constructors

HistoryAdapter

```
public  HistoryAdapter(Context coherence,
                       java.util.ArrayList resultList)
```

Methods

getCount

```
public int getCount()
```

---

getItem

```
public java.lang.Object getItem(int position)
```

---

getItemId

```
public long getItemId(int position)
```

---

getView

```
public View getView(int position,
                    View newView,
                    ViewGroup parent)
```

---

adapter

Class HistoryAdapter.HistoryViewHolder

```
java.lang.Object
    |
    +--adapter.HistoryAdapter.HistoryViewHolder
```

< Fields > < Constructors >

---

static class **HistoryAdapter.HistoryViewHolder**
extends java.lang.Object

Class to set three TextViews which will be represented in one line of the list

Author:
Schonhart

Fields

date

```
TextView date
```

---

payed

```
TextView payed
```

---

productName

```
TextView productName
```

Constructors

HistoryAdapter.HistoryViewHolder

```
HistoryAdapter.HistoryViewHolder()
```

---

adapter

Class ProductAdapter

```
java.lang.Object
    |
    +--BaseAdapter
        |
        +--adapter.ProductAdapter
```

< Constructors > < Methods >

---

public class **ProductAdapter**
extends BaseAdapter

Adapter for product list. Converts the information of a product object in a line of the list

Author:

Simon

Constructors

ProductAdapter

```
public  ProductAdapter(Context coherence,
                       java.util.ArrayList resultList)
```

Converts the information of a product object in a line of the list

Parameters:

coherence - The context
resultList - The given product ArrayList

Methods

getCount

```
public int getCount()
```

---

getItem

```
public java.lang.Object getItem(int position)
```

---

getItemId

```
public long getItemId(int position)
```

---

getView

```
public View getView(int position,
                    View newView,
                    ViewGroup parent)
```

---

adapter

Class ProductAdapter.ViewHolder

```
java.lang.Object
    |
    +--adapter.ProductAdapter.ViewHolder
```

< Fields > < Constructors >

---

static class **ProductAdapter.ViewHolder**
extends java.lang.Object

Holds three TextViews, which will be put in one line of the list.

Author:

Simon

Fields

barcode

```
TextView barcode
```

---

price

```
TextView price
```

productName

`TextView` **`productName`**

Constructors

ProductAdapter.ViewHolder

`ProductAdapter.ViewHolder`()

---

adapter

Class UserAdapter

```
java.lang.Object
    |
    +--BaseAdapter
        |
        +--adapter.UserAdapter
```

< Constructors > < Methods >

---

public class **UserAdapter**
extends BaseAdapter

Adapter for a user list. Represents the information of a productobject in a line of the list

Author:
Simon

Constructors

UserAdapter

```
public  UserAdapter(Context coherence,
                    java.util.ArrayList resultList)
```

Methods

getCount

```
public int getCount()
```

---

getItem

```
public java.lang.Object getItem(int position)
```

---

getItemId

```
public long getItemId(int position)
```

---

getView

```
public View getView(int position,
                    View newView,
                    ViewGroup parent)
```

---

adapter

Class UserAdapter.UserViewHolder

```
java.lang.Object
    |
    +--adapter.UserAdapter.UserViewHolder
```

< Fields > < Constructors >

---

static class **UserAdapter.UserViewHolder**
extends java.lang.Object

Class to set the TextViews, which will be put in one line of the list.

Author:

Schonhart

Fields

UserName

TextView **UserName**

---

mail

TextView **mail**

---

payamount

TextView **payamount**

Constructors

UserAdapter.UserViewHolder

UserAdapter.UserViewHolder()

Package camera

Class Summary

AdminCameraActivity

CameraPreview

A basic Camera preview class

CameraTestActivity

---

camera

Class AdminCameraActivity

```
java.lang.Object
    |
    +--camera.AdminCameraActivity
```

< Fields > < Methods >

---

public class **AdminCameraActivity**
extends java.lang.Object

Fields

autoFocusCB

`AutoFocusCallback` **`autoFocusCB`**

---

mContext

`public Context` **`mContext`**

---

mResponseListener

`final ResponseListener` **`mResponseListener`**

---

previewCb

`PreviewCallback` **`previewCb`**

scanButton

`Button` **`scanButton`**

scanText

`TextView` **`scanText`**

scanner

`net.sourceforge.zbar.ImageScanner` **`scanner`**

Methods

createAddDialog

`public Dialog` **`createAddDialog`**`(java.lang.String barcode)`

getCameraInstance

`public static Camera` **`getCameraInstance`**`()`

A safe way to get an instance of the Camera object.

getContext

`public Context` **`getContext`**`()`

onCreate

`public void` **`onCreate`**`(Bundle savedInstanceState)`

onCreateOptionsMenu

`public boolean` **`onCreateOptionsMenu`**`(Menu menu)`

onOptionsItemSelected

```
public boolean onOptionsItemSelected(MenuItem item)
```

onPause

```
protected void onPause()
```

responseReceived

```
public void responseReceived(java.lang.String message,
                             android.content.DialogInterface.OnClickListener
dialogClickListener)
```

responseReceived

```
public void responseReceived(java.lang.String message,
                             int a)
```

camera

Class CameraPreview

```
java.lang.Object
    |
    +--SurfaceView
        |
        +--camera.CameraPreview
```

< Constructors > < Methods >

public class **CameraPreview**
extends SurfaceView

A basic Camera preview class

Constructors

CameraPreview

```
public  CameraPreview(Context context,
                      Camera camera,
                      PreviewCallback previewCb,
                      AutoFocusCallback autoFocusCb)
```

Methods

surfaceChanged

```
public void surfaceChanged(SurfaceHolder holder,
                           int format,
                           int width,
                           int height)
```

---

surfaceCreated

```
public void surfaceCreated(SurfaceHolder holder)
```

---

surfaceDestroyed

```
public void surfaceDestroyed(SurfaceHolder holder)
```

---

camera

Class CameraTestActivity

```
java.lang.Object
    |
    +--camera.CameraTestActivity
```

< Fields > < Methods >

---

public class **CameraTestActivity**
extends java.lang.Object

Fields

autoFocusCB

AutoFocusCallback **autoFocusCB**

---

mContext

public Context **mContext**

---

previewCb

PreviewCallback **previewCb**

---

scanButton

Button **scanButton**

---

scanText

TextView **scanText**

---

scanner

net.sourceforge.zbar.ImageScanner **scanner**

Methods

bookProduct

public void **bookProduct**(java.lang.String barcode)

method to book a product.

Parameters:

barcode -

---

bookProductDialog

`public void **bookProductDialog**(java.lang.String barcode)`

method opens a dialog to confirm booking. Searches the product that was scanned

Parameters:

barcode - The barcode of the scanned product

---

getCameraInstance

`public static Camera **getCameraInstance**()`

A safe way to get an instance of the Camera object.

---

getContext

`public Context **getContext**()`

---

onCreate

`public void **onCreate**(Bundle savedInstanceState)`

---

onCreateOptionsMenu

`public boolean **onCreateOptionsMenu**(Menu menu)`

---

onOptionsItemSelected

`public boolean **onOptionsItemSelected**(MenuItem item)`

---

onPause

`protected void **onPause**()`

---

responseReceived

```
public void responseReceived(java.lang.String message,
                             android.content.DialogInterface.OnClickListener
dialogClickListener)
```

---

responseReceived

```
public void responseReceived(java.lang.String message,
                             int a)
```

Package client

Class Summary

Client

Class Client holds the sessionid.

client

Class Client

```
java.lang.Object
    |
    +--client.Client
```

< Fields > < Constructors >

public class **Client**
extends java.lang.Object

Class Client holds the sessionid.

Author:

Schonhart

Fields

sessionid

```
public static java.lang.String sessionid
```

Constructors

Client

```
public  Client()
```

Package object

Class Summary

Bill

History

A simple class representing a buy history of a user.

Product

Represents a line in the Product table of the database

User

A simple User class, representing a line in the User Table of the database

---

object

Class Bill

```
java.lang.Object
    |
    +--object.Bill
```

< Constructors > < Methods >

---

public class **Bill**
extends java.lang.Object

Author:

Chris Simple class representing a bill in the database

Constructors

Bill

```
public  Bill(int id,
             java.lang.String date,
             java.lang.String user,
             double amount)
```

Creates a bill with given values

Parameters:

id - the bill id
date - the date of creation
user - the users mail
amount - the amount to pay

Bill

```
public  Bill(int id,
             java.lang.String date,
             java.lang.String user,
             double amount,
             java.util.ArrayList history)
```

Creates a bill with given values

Parameters:

id - the bill id
date - the date of creation
user - the users mail
amount - the amount to pay

Methods

getAmount

```
public double getAmount()
```

Returns:

the Amount

---

getDate

```
public java.lang.String getDate()
```

Returns:

the Date

---

getHistory

```
public java.lang.String getHistory()
```

Returns:

the History in String representation

---

getID

```
public int getID()
```

Returns:

the ID

---

getUser

```
public java.lang.String getUser()
```

Returns:

the User

---

object

Class History

```
java.lang.Object
    |
    +--object.History
```

< Constructors > < Methods >

---

public class **History**
extends java.lang.Object

A simple class representing a buy history of a user.

Author:

Chris

Constructors

History

```
public  History(java.lang.String date,
                double price,
                java.lang.String name,
                int user,
                boolean payed)
```

Methods

getDate

`public java.lang.String` **`getDate`**`()`

Returns:

the Date

---

getName

`public java.lang.String` **`getName`**`()`

Returns:

The booked products Name

---

getPrice

`public double` **`getPrice`**`()`

Returns:

The booked Products Price

---

getUser

`public int` **`getUser`**`()`

Returns:

the User

---

isPayed

`public java.lang.String` **`isPayed`**`()`

Returns:

True if the product was already payed, false if not

---

object

Class Product

```
java.lang.Object
    |
    +--object.Product
```

< Constructors > < Methods >

---

public class **Product**
extends java.lang.Object

Represents a line in the Product table of the database

Author:

Chris

Constructors

Product

```
public  Product(java.lang.String barcode,
                java.lang.String name,
                java.lang.String price)
```

Methods

getBarcode

```
public long getBarcode()
```

Returns:

the Barcode

---

getName

```
public java.lang.String getName()
```

Returns:

the Name

---

getPrice

```
public double getPrice()
```

Returns:

the Price

---

object

Class User

```
java.lang.Object
    |
    +--object.User
```

< Constructors > < Methods >

---

public class **User**
extends java.lang.Object

A simple User class, representing a line in the User Table of the database

Author:

Chris

Constructors

User

```
public  User(java.lang.String mail,
             java.lang.String password)
```

Creates a user with the given values

Parameters:

mail - The users email address
password - The users password

User

```
public  User(java.lang.String mail,
             java.lang.String prename,
             java.lang.String name,
             double money)
```

Creates a user with all possible information

Parameters:

mail - The users Email-address
prename - The users Prename
name - The users name
money - The users current money to pay

User

```
public  User(java.lang.String mail,
             java.lang.String password,
             java.lang.String prename,
             java.lang.String name)
```

Creates a User with the given values, all other variables have default value.

Parameters:

mail - The users e-mail address
password - The users password
prename - The users prename
name - The users name

Methods

getID

```
public int getID()
```

Returns:

The users unique id

---

getMail

```
public java.lang.String getMail()
```

Returns:

the Mail

---

getMoney

`public double **getMoney**()`

Returns:

The current money to be paid

---

getName

`public java.lang.String **getName**()`

Returns:

The name of the user

---

getPassword

`public java.lang.String **getPassword**()`

Returns:

the Password

---

getPreName

`public java.lang.String **getPreName**()`

Returns:

The Prename of the User

---

setID

`public void **setID**(int id)`

Sets the users unique ID

Parameters:

id - The users id

---

setMoney

```
public void setMoney(double price)
```

Sets the money the user has to pay

Parameters:

price - The new debt

Package searchstuff

Class Summary

MyContentProvider

Class which provides suggestions during the product search.

---

searchstuff

Class MyContentProvider

```
java.lang.Object
    |
    +--ContentProvider
        |
        +--searchstuff.MyContentProvider
```

All Implemented Interfaces:

ResponseListener

< Constructors > < Methods >

---

public class **MyContentProvider**
extends ContentProvider
implements ResponseListener

Class which provides suggestions during the product search.

Author:

Simon

Constructors

MyContentProvider

```
public  MyContentProvider()
```

Methods

delete

```
public int delete(Uri uri,
                  java.lang.String selection,
                  java.lang.String[] selectionArgs)
```

---

getType

```
public java.lang.String getType(Uri uri)
```

---

insert

```
public Uri insert(Uri uri,
                  ContentValues values)
```

---

onCreate

```
public boolean onCreate()
```

---

query

```
public Cursor query(Uri uri,
                    java.lang.String[] projection,
                    java.lang.String selection,
                    java.lang.String[] selectionArgs,
                    java.lang.String sortOrder)
```

---

responseReceived

```
public void responseReceived(java.lang.String message,
                             OnClickListener dialogClickListener)
```

---

responseReceived

```
public void responseReceived(java.lang.String message,
                             int a)
```

---

update

```
public int update(Uri uri,
                  ContentValues values,
                  java.lang.String selection,
                  java.lang.String[] selectionArgs)
```

Package thread

Interface Summary

ResponseListener

Interface ResponseListener.

Class Summary

NetworkThread

New Thread that works parallel to the main thread

---

thread

Class NetworkThread

```
java.lang.Object
    |
    +--thread.NetworkThread
```

All Implemented Interfaces:

java.lang.Runnable

< Constructors > < Methods >

---

public class **NetworkThread**
extends java.lang.Object
implements java.lang.Runnable

New Thread that works parallel to the main thread

Author:

Schonhart

Constructors

NetworkThread

```
public  NetworkThread(java.lang.String url,
                      java.lang.String[][] param,
                      ResponseListener listener,
                      int a)
```

New Thread that works parallel to the main thread. The response from the server will be handed over to the methods of the ResponseListener interface. So all classes, which use NetworkThread, have to implement this interface to gain the response String from the server.

Parameters:

url - The url for connecting to the server
param - The parameters
listener - The class that calls NetworkThread (This class implemented the interface ResponseListener)
a - Variable for distinguishing between different conditions

NetworkThread

```
public  NetworkThread(java.lang.String url,
                      java.lang.String[][] param,
                      ResponseListener listener,
                      int a,
                      DialogInterface.OnClickListener dialogClickListener)
```

New Thread that works parallel to the main thread. The response from the server will be handed over to the methods of the ResponseListener interface. So all classes, which use NetworkThread, have to implement this interface to gain the response String from the server.

Parameters:

url - The url for connecting to the server
param - The parameters
listener - The class that calls NetworkThread (This class implemented the interface ResponseListener
a - Variable for distinguishing between different conditions
dialogClickListener - Listener for opening a dialog

Methods

run

```
public void run()
```

thread

Interface ResponseListener

< Methods >

public interface **ResponseListener**

Interface ResponseListener. It is used in combination with the NetworkThread class.

Author:

Simon

Methods

getContext

```
public Context getContext()
```

responseReceived

```
public void responseReceived(java.lang.String message,
                             DialogInterface.OnClickListener
dialogClickListener)
```

This method handles the message received after class NetworkThread has finished its work A String and a DialogInterface has to be delivered to NetworkThread constructor.

Parameters:

list - List of Products

responseReceived

```
public void responseReceived(java.lang.String message,
                             int a)
```

This method handles the message received after NetworkThread has finished its work.

Parameters:

message - Message from NetworkThread
a - Parameter to handle different conditions

Package util

Class Summary

UrlManager

Class to handle the used URLs

Util

Simple Util class to convert Strings to Lists and vice versa.

---

util

Class UrlManager

```
java.lang.Object
    |
    +--util.UrlManager
```

< Fields > < Constructors >

---

public class **UrlManager**
extends java.lang.Object

Class to handle the used URLs

Author:

Schonhart

Fields

baseUrl

`public static java.lang.String` **`baseUrl`**

The url of the server application

---

certificateUrl

`public static java.lang.String` **`certificateUrl`**

The url of the ssl certificate

Constructors

UrlManager

```
public  UrlManager()
```

---

util

Class Util

```
java.lang.Object
    |
    +--util.Util
```

< Constructors > < Methods >

---

public class **Util**
extends java.lang.Object

Simple Util class to convert Strings to Lists and vice versa.

Author:
Chris

Constructors

Util

```
public  Util()
```

Methods

ATSBill

```
public static java.lang.String ATSBill(java.util.ArrayList list)
```

ATSHistory

`public static java.lang.String` **`ATSHistory`**`(java.util.ArrayList list)`

Converts a list of histories to a String which represents the History list as a list of Strings.

Parameters:

list - The History list

Returns:

The String

ATSProduct

`public static java.lang.String` **`ATSProduct`**`(java.util.ArrayList list)`

Converts a list of products to a String which represents the Product list as a list of Strings.

Parameters:

list - The Product list

Returns:

The String

ATSUser

`public static java.lang.String` **`ATSUser`**`(java.util.ArrayList list)`

Converts a list of Users to a String which represents the User list as a list of Strings.

Parameters:

list - The User list

Returns:

The String

STABill

`public static java.util.ArrayList` **`STABill`**`(java.lang.String s)`

STAHistory

```
public static java.util.ArrayList STAHistory(java.lang.String s)
```

Converts a String which represents a List of Histories to a List of Histories.

Parameters:

s - The String

Returns:

The History List

STAProduct

```
public static java.util.ArrayList STAProduct(java.lang.String s)
```

Converts a String which represents a List of Products to a List of Products.

Parameters:

s - The String

Returns:

The Product List

STAUser

```
public static java.util.ArrayList STAUser(java.lang.String s)
```

Converts a String which represents a List of Users to a List of Users.

Parameters:

s - The String

Returns:

The User List

---

appendList

```
public static java.util.ArrayList appendList(java.util.ArrayList list1,
                                             java.util.ArrayList list2)
```

Appends list1 with elements from list2 that are not in list1 Note: Changes list1 during process!

Parameters:

list1 - the first list
list2 - the second list

Returns:

the changed list1

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