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**ultramirinc.champs\_mood**

**Class AppCompatPreferenceActivity**

* **java.lang.Object**
* **¨ android.content.Context**
  + **à android.content.ContextWrapper**

**à × android.view.ContextThemeWrapper × · android.app.Activity**

**·¨ android.app.ListActivity**

**¨à android.preference.PreferenceActivity**

**à× ultramirinc.champs\_mood.AppCompatPreferenceAct**

* **All Implemented Interfaces:**

**android.content.ComponentCallbacks, android.content.ComponentCallbacks2, android.preference.PreferenceFragment.OnPreferenceStartFragmentCallback, android.view.KeyEvent.Callback, android.view.LayoutInflater.Factory, android.view.LayoutInflater.Factory2, android.view.View.OnCreateContextMenuListener, android.view.Window.Callback**

**public abstract class**

**1**

**extends android.preference.PreferenceActivity**

**A PreferenceActivity which implements and proxies the necessary calls to be used with AppCompat. Creates a compatibility activity for older devices**

* **¨**

**Nested Class Summary**

**à**

**Nested classes/interfaces inherited from class android.preference.PreferenceActivity**

**android.preference.PreferenceActivity.Header**

**¨**

**Field Summary**

**Modifier and Type** **Field and Description**

**private android.support.v7.app.AppCompatDelegate** [**mDelegate**](#page6)

**à**

**Fields inherited from**

**class android.preference.PreferenceActivity**

**EXTRA\_NO\_HEADERS, EXTRA\_SHOW\_FRAGMENT,**

**EXTRA\_SHOW\_FRAGMENT\_ARGUMENTS, EXTRA\_SHOW\_FRAGMENT\_SHORT\_TITLE,**

**EXTRA\_SHOW\_FRAGMENT\_TITLE, HEADER\_ID\_UNDEFINED**

**à**

**Fields inherited from class android.app.Activity**

**DEFAULT\_KEYS\_DIALER, DEFAULT\_KEYS\_DISABLE,**

**DEFAULT\_KEYS\_SEARCH\_GLOBAL, DEFAULT\_KEYS\_SEARCH\_LOCAL,**

**DEFAULT\_KEYS\_SHORTCUT, FOCUSED\_STATE\_SET, RESULT\_CANCELED,**

**RESULT\_FIRST\_USER, RESULT\_OK**

**à**

**Fields inherited from class android.content.Context**

**ACCESSIBILITY\_SERVICE, ACCOUNT\_SERVICE, ACTIVITY\_SERVICE,**

**ALARM\_SERVICE, APP\_OPS\_SERVICE, APPWIDGET\_SERVICE, AUDIO\_SERVICE,**

**BATTERY\_SERVICE, BIND\_ABOVE\_CLIENT, BIND\_ADJUST\_WITH\_ACTIVITY,**

**BIND\_ALLOW\_OOM\_MANAGEMENT, BIND\_AUTO\_CREATE, BIND\_DEBUG\_UNBIND,**

**BIND\_EXTERNAL\_SERVICE, BIND\_IMPORTANT, BIND\_NOT\_FOREGROUND,**

**BIND\_WAIVE\_PRIORITY, BLUETOOTH\_SERVICE, CAMERA\_SERVICE,**

**CAPTIONING\_SERVICE, CARRIER\_CONFIG\_SERVICE, CLIPBOARD\_SERVICE,**

**CONNECTIVITY\_SERVICE, CONSUMER\_IR\_SERVICE, CONTEXT\_IGNORE\_SECURITY,**

**CONTEXT\_INCLUDE\_CODE, CONTEXT\_RESTRICTED, DEVICE\_POLICY\_SERVICE,**

**DISPLAY\_SERVICE, DOWNLOAD\_SERVICE, DROPBOX\_SERVICE,**

**FINGERPRINT\_SERVICE, HARDWARE\_PROPERTIES\_SERVICE,**

**INPUT\_METHOD\_SERVICE, INPUT\_SERVICE, JOB\_SCHEDULER\_SERVICE,**

**KEYGUARD\_SERVICE, LAUNCHER\_APPS\_SERVICE, LAYOUT\_INFLATER\_SERVICE,**

**LOCATION\_SERVICE, MEDIA\_PROJECTION\_SERVICE, MEDIA\_ROUTER\_SERVICE,**

**MEDIA\_SESSION\_SERVICE, MIDI\_SERVICE, MODE\_APPEND,**

**MODE\_ENABLE\_WRITE\_AHEAD\_LOGGING, MODE\_MULTI\_PROCESS,**

**MODE\_NO\_LOCALIZED\_COLLATORS, MODE\_PRIVATE, MODE\_WORLD\_READABLE,**

**MODE\_WORLD\_WRITEABLE, NETWORK\_STATS\_SERVICE, NFC\_SERVICE,**

**NOTIFICATION\_SERVICE, NSD\_SERVICE, POWER\_SERVICE, PRINT\_SERVICE,**

**2**

**RESTRICTIONS\_SERVICE, SEARCH\_SERVICE, SENSOR\_SERVICE,**

**SHORTCUT\_SERVICE, STORAGE\_SERVICE, SYSTEM\_HEALTH\_SERVICE,**

**TELECOM\_SERVICE, TELEPHONY\_SERVICE, TELEPHONY\_SUBSCRIPTION\_SERVICE,**

**TEXT\_SERVICES\_MANAGER\_SERVICE, TV\_INPUT\_SERVICE, UI\_MODE\_SERVICE,**

**USAGE\_STATS\_SERVICE, USB\_SERVICE, USER\_SERVICE, VIBRATOR\_SERVICE,**

**WALLPAPER\_SERVICE, WIFI\_P2P\_SERVICE, WIFI\_SERVICE, WINDOW\_SERVICE**

**à**

**Fields inherited from**

**interface android.content.ComponentCallbacks2**

**TRIM\_MEMORY\_BACKGROUND, TRIM\_MEMORY\_COMPLETE, TRIM\_MEMORY\_MODERATE,**

**TRIM\_MEMORY\_RUNNING\_CRITICAL, TRIM\_MEMORY\_RUNNING\_LOW,**

**TRIM\_MEMORY\_RUNNING\_MODERATE, TRIM\_MEMORY\_UI\_HIDDEN**

**¨**

**Constructor Summary**

**Constructor and Description**

[**AppCompatPreferenceActivity**](#page6)**()**

**¨**

**Method Summary**

|  |  |  |
| --- | --- | --- |
| **Modifier and Type** | **Method and Descr** |  |
| **void** | [**addContentView**](#page7)**(android.view.View view,** |  |
|  | **android.view.ViewGroup.LayoutParams par** |  |
|  |  |  |
| **private** | [**getDelegate**](#page8)**()** |  |
| **android.support.v7.app.AppCompatDelegate** |  |  |
|  |  |  |
| **android.view.MenuInflater** | [**getMenuInflater**](#page7)**()** |  |
| **android.support.v7.app.ActionBar** | [**getSupportActionBar**](#page7)**()** |  |
| **void** | [**invalidateOptionsMenu**](#page8)**()** |  |
| **void** | [**onConfigurationChanged**](#page8)**(android.content.** |  |
| **protected void** | [**onCreate**](#page222)**(android.os.Bundle savedInstanc** |  |
| **protected void** | [**onDestroy**](#page8)**()** |  |
| **protected void** | [**onPostCreate**](#page7)**(android.os.Bundle savedIns** |  |
| **protected void** | [**onPostResume**](#page7)**()** |  |
| **protected void** | [**onStop**](#page215)**()** |  |
| **protected void** | [**onTitleChanged**](#page8)**(java.lang.CharSequence t** |  |
| **void** | [**setContentView**](#page7)**(int layoutResID)** |  |
| **void** | [**setContentView**](#page7)**(android.view.View view)** |  |
| **void** | [**setContentView**](#page7)**(android.view.View view,** |  |
|  | **android.view.ViewGroup.LayoutParams par** |  |
|  |  |  |
| **void** | [**setSupportActionBar**](#page7)**(android.support.v7.** |  |

**3**

* **Methods inherited from**

**class android.preference.PreferenceActivity**

**addPreferencesFromIntent, addPreferencesFromResource, findPreference, finishPreferencePanel, getPreferenceManager, getPreferenceScreen, hasHeaders, invalidateHeaders, isMultiPane, isValidFragment, loadHeadersFromResource, onActivityResult, onBuildHeaders, onBuildStartFragmentIntent, onContentChanged, onGetInitialHeader, onGetNewHeader, onHeaderClick, onIsHidingHeaders, onIsMultiPane, onListItemClick, onNewIntent, onPreferenceStartFragment, onPreferenceTreeClick, onRestoreInstanceState, onSaveInstanceState, setListFooter, setParentTitle, setPreferenceScreen, showBreadCrumbs, startPreferenceFragment, startPreferencePanel, startWithFragment, startWithFragment, switchToHeader, switchToHeader**

**à**

**Methods inherited from class android.app.ListActivity**

**getListAdapter, getListView, getSelectedItemId, getSelectedItemPosition, setListAdapter, setSelection**

**à**

**Methods inherited from class android.app.Activity**

**closeContextMenu, closeOptionsMenu, createPendingResult, dismissDialog, dismissKeyboardShortcutsHelper, dispatchGenericMotionEvent, dispatchKeyEvent, dispatchKeyShortcutEvent, dispatchPopulateAccessibilityEvent, dispatchTouchEvent, dispatchTrackballEvent, dump, enterPictureInPictureMode, findViewById, finish, finishActivity, finishActivityFromChild, finishAffinity, finishAfterTransition, finishAndRemoveTask, finishFromChild, getActionBar, getApplication, getCallingActivity, getCallingPackage, getChangingConfigurations, getComponentName, getContentScene, getContentTransitionManager, getCurrentFocus, getFragmentManager, getIntent, getLastNonConfigurationInstance, getLayoutInflater, getLoaderManager, getLocalClassName, getMediaController, getParent, getParentActivityIntent, getPreferences, getReferrer, getRequestedOrientation, getSearchEvent, getSystemService, getTaskId, getTitle, getTitleColor, getVoiceInteractor, getVolumeControlStream, getWindow, getWindowManager, hasWindowFocus, isChangingConfigurations, isChild, isDestroyed, isFinishing, isImmersive, isInMultiWindowMode, isInPictureInPictureMode, isLocalVoiceInteractionSupported, isTaskRoot, isVoiceInteraction, isVoiceInteractionRoot, managedQuery, moveTaskToBack, navigateUpTo, navigateUpToFromChild, onActionModeFinished, onActionModeStarted, onActivityReenter, onApplyThemeResource, onAttachedToWindow, onAttachFragment, onBackPressed, onChildTitleChanged, onContextItemSelected, onContextMenuClosed, onCreate, onCreateContextMenu, onCreateDescription, onCreateDialog, onCreateDialog, onCreateNavigateUpTaskStack, onCreateOptionsMenu, onCreatePanelMenu, onCreatePanelView, onCreateThumbnail, onCreateView, onCreateView, onDetachedFromWindow, onEnterAnimationComplete, onGenericMotionEvent, onKeyDown, onKeyLongPress, onKeyMultiple, onKeyShortcut, onKeyUp, onLocalVoiceInteractionStarted, onLocalVoiceInteractionStopped, onLowMemory, onMenuItemSelected, onMenuOpened, onMultiWindowModeChanged, onNavigateUp, onNavigateUpFromChild, onOptionsItemSelected, onOptionsMenuClosed, onPanelClosed, onPause, onPictureInPictureModeChanged, onPostCreate, onPrepareDialog, onPrepareDialog, onPrepareNavigateUpTaskStack, onPrepareOptionsMenu,**

**4**

**onPreparePanel, onProvideAssistContent, onProvideAssistData, onProvideKeyboardShortcuts, onProvideReferrer, onRequestPermissionsResult, onRestart, onRestoreInstanceState, onResume, onRetainNonConfigurationInstance, onSaveInstanceState, onSearchRequested, onSearchRequested, onStart, onStateNotSaved, onTouchEvent, onTrackballEvent, onTrimMemory, onUserInteraction, onUserLeaveHint, onVisibleBehindCanceled, onWindowAttributesChanged, onWindowFocusChanged, onWindowStartingActionMode, onWindowStartingActionMode, openContextMenu, openOptionsMenu, overridePendingTransition, postponeEnterTransition, recreate, registerForContextMenu, releaseInstance, removeDialog, reportFullyDrawn, requestDragAndDropPermissions, requestPermissions, requestShowKeyboardShortcuts, requestVisibleBehind, requestWindowFeature, runOnUiThread, setActionBar, setContentTransitionManager, setDefaultKeyMode, setEnterSharedElementCallback, setExitSharedElementCallback, setFeatureDrawable, setFeatureDrawableAlpha, setFeatureDrawableResource, setFeatureDrawableUri, setFinishOnTouchOutside, setImmersive, setIntent, setMediaController, setProgress, setProgressBarIndeterminate, setProgressBarIndeterminateVisibility, setProgressBarVisibility, setRequestedOrientation, setResult, setResult, setSecondaryProgress, setTaskDescription, setTheme, setTitle, setTitle, setTitleColor, setVisible, setVolumeControlStream, setVrModeEnabled, shouldShowRequestPermissionRationale, shouldUpRecreateTask, showAssist, showDialog, showDialog, showLockTaskEscapeMessage, startActionMode, startActionMode, startActivities, startActivities, startActivity, startActivity, startActivityForResult, startActivityForResult, startActivityFromChild, startActivityFromChild, startActivityFromFragment, startActivityFromFragment, startActivityIfNeeded, startActivityIfNeeded, startIntentSender, startIntentSender, startIntentSenderForResult, startIntentSenderForResult, startIntentSenderFromChild, startIntentSenderFromChild, startLocalVoiceInteraction, startLockTask, startManagingCursor, startNextMatchingActivity, startNextMatchingActivity, startPostponedEnterTransition, startSearch, stopLocalVoiceInteraction, stopLockTask, stopManagingCursor, takeKeyEvents, triggerSearch, unregisterForContextMenu**

**à**

**Methods inherited from**

**class android.view.ContextThemeWrapper**

**applyOverrideConfiguration, attachBaseContext, getAssets, getResources, getTheme**

**à**

**Methods inherited from**

**class android.content.ContextWrapper**

**bindService, checkCallingOrSelfPermission, checkCallingOrSelfUriPermission, checkCallingPermission, checkCallingUriPermission, checkPermission, checkSelfPermission, checkUriPermission, checkUriPermission, clearWallpaper, createConfigurationContext, createDeviceProtectedStorageContext, createDisplayContext, createPackageContext, databaseList, deleteDatabase, deleteFile, deleteSharedPreferences, enforceCallingOrSelfPermission, enforceCallingOrSelfUriPermission, enforceCallingPermission, enforceCallingUriPermission, enforcePermission, enforceUriPermission, enforceUriPermission, fileList, getApplicationContext, getApplicationInfo, getBaseContext,**

**5**

**getCacheDir, getClassLoader, getCodeCacheDir, getContentResolver, getDatabasePath, getDataDir, getDir, getExternalCacheDir, getExternalCacheDirs, getExternalFilesDir, getExternalFilesDirs, getExternalMediaDirs, getFilesDir, getFileStreamPath, getMainLooper, getNoBackupFilesDir, getObbDir, getObbDirs, getPackageCodePath, getPackageManager, getPackageName, getPackageResourcePath, getSharedPreferences, getSystemServiceName, getWallpaper, getWallpaperDesiredMinimumHeight, getWallpaperDesiredMinimumWidth, grantUriPermission, isDeviceProtectedStorage, isRestricted, moveDatabaseFrom, moveSharedPreferencesFrom, openFileInput, openFileOutput, openOrCreateDatabase, openOrCreateDatabase, peekWallpaper, registerReceiver, registerReceiver, removeStickyBroadcast, removeStickyBroadcastAsUser, revokeUriPermission, sendBroadcast, sendBroadcast, sendBroadcastAsUser, sendBroadcastAsUser, sendOrderedBroadcast, sendOrderedBroadcast, sendOrderedBroadcastAsUser, sendStickyBroadcast, sendStickyBroadcastAsUser, sendStickyOrderedBroadcast, sendStickyOrderedBroadcastAsUser, setWallpaper, setWallpaper, startInstrumentation, startService, stopService, unbindService, unregisterReceiver**

**à**

**Methods inherited from class android.content.Context**

**getColor, getColorStateList, getDrawable, getString, getString, getSystemService, getText, obtainStyledAttributes, obtainStyledAttributes, obtainStyledAttributes, obtainStyledAttributes, registerComponentCallbacks, unregisterComponentCallbacks**

**à**

**Methods inherited from class java.lang.Object**

**clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait**

* **¨**

**Field Detail**

**à mDelegate**

**private android.support.v7.app.AppCompatDelegate mDelegate**

**¨**

**Constructor Detail**

**à AppCompatPreferenceActivity**

**public AppCompatPreferenceActivity()**

**¨**

**Method Detail**

**6**

**à onCreate**

**protected void onCreate(android.os.Bundle savedInstanceState)**

**Overrides:**

**onCreate in class android.preference.PreferenceActivity**

**à onPostCreate**

**protected void onPostCreate(android.os.Bundle savedInstanceState)**

**Overrides:**

**onPostCreate in class android.app.Activity**

**à getSupportActionBar**

**public android.support.v7.app.ActionBar getSupportActionBar()**

**à setSupportActionBar**

**public void setSupportActionBar(@Nullable android.support.v7.widget.Toolbar toolbar)**

**à getMenuInflater**

**public android.view.MenuInflater getMenuInflater()**

**Overrides:**

**getMenuInflater in class android.app.Activity**

**à setContentView**

**public void setContentView(@LayoutRes**

**int layoutResID)**

**Overrides:**

**setContentView in class android.app.Activity**

**à setContentView**

**public void setContentView(android.view.View view)**

**Overrides:**

**setContentView in class android.app.Activity**

**à setContentView**

**public void setContentView(android.view.View view, android.view.ViewGroup.LayoutParams params)**

**Overrides:**

**setContentView in class android.app.Activity**

**à addContentView**

**public void addContentView(android.view.View view, android.view.ViewGroup.LayoutParams params)**

**Overrides:**

**addContentView in class android.app.Activity**

**7**

**à onPostResume**

**protected void onPostResume()**

**Overrides:**

**onPostResume in class android.app.Activity**

**à onTitleChanged**

**protected void onTitleChanged(java.lang.CharSequence title, int color)**

**Overrides:**

**onTitleChanged in class android.app.Activity**

**à onConfigurationChanged**

**public void onConfigurationChanged(android.content.res.Configuration newCon**

**Specified by:**

**onConfigurationChanged in**

**interface android.content.ComponentCallbacks**

**Overrides:**

**onConfigurationChanged in class android.app.Activity**

**à onStop**

**protected void onStop()**

**Overrides:**

**onStop in class android.preference.PreferenceActivity**

**à onDestroy**

**protected void onDestroy()**

**Overrides:**

**onDestroy in class android.preference.PreferenceActivity**

**à invalidateOptionsMenu**

**public void invalidateOptionsMenu()**

**Overrides:**

**invalidateOptionsMenu in class android.app.Activity**

**à getDelegate**

**private android.support.v7.app.AppCompatDelegate getDelegate()**

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**ultramirinc.champs\_mood**

**Class BreakCreator**

* **java.lang.Object**
* **¨ android.support.v4.app.Fragment**
  + **à android.support.v4.app.DialogFragment**

**à× ultramirinc.champs\_mood.BreakCreator**

* **All Implemented Interfaces:**

**android.content.ComponentCallbacks, android.content.DialogInterface.OnCancelListener, android.content.DialogInterface.OnDismissListener, android.view.View.OnCreateContextMenuListener, android.widget.AdapterView.OnItemSelectedListener**

**public class**

**extends android.support.v4.app.DialogFragment**

**implements android.widget.AdapterView.OnItemSelectedListener**

**Created by Etienne Berube on 2017-03-23. This class is a Pop-up that appears when the user wants to create a new Break Object for his schedule**

**10**

**¨ Nested Class Summary**

**Modifier and Type** **Class and Description**

[**BreakCreator.OnBreakReadyListener**](#page19)

**static interface**

**A Custom listener for when the break is ready.**

**à**

**Nested classes/interfaces inherited from class android.support.v4.app.Fragment**

**android.support.v4.app.Fragment.InstantiationException,**

**android.support.v4.app.Fragment.SavedState**

**¨**

**Field Summary**

**Modifier and Type**

**private android.content.Context**

**private java.lang.String**

**private android.app.TimePickerDialog**

**private int**

**private int**

**private android.widget.TextView**

**private boolean**

**private android.widget.Spinner**

**private** [**BreakCreator.OnBreakReadyListener**](#page19)

**private android.app.TimePickerDialog**

**private int**

**private int**

**private android.widget.TextView**

**Field and Description**

[**context**](#page221)

**Contains the context of the attached activity**

[**day**](#page122)

**Day of the break**

[**end**](#page122)

**The TimePickerDialog for the ending time**

[**endHour**](#page14)

**The ending hour of the break**

[**endMinute**](#page14)

**The ending minute of the break**

[**endTime**](#page14)

**Contains the view for the end time**

[**isCancelled**](#page14)

**Is true if the user cancelled the break creation**

[**listDay**](#page14)

**Contains the drop-down menu of the days of the week**

[**mListener**](#page15)

**Contains the listener when the break is ready**

[**start**](#page122)

**The TimePickerDialog for the starting time**

[**startHour**](#page14)

**The starting hour of the break**

[**startMinute**](#page14)

**The starting minute of the break**

[**startTime**](#page14)

**11**

**Contains the view for the start time**

**à**

**Fields inherited from**

**class android.support.v4.app.DialogFragment**

**STYLE\_NO\_FRAME, STYLE\_NO\_INPUT, STYLE\_NO\_TITLE, STYLE\_NORMAL**

**¨**

**Constructor Summary**

**Constructor and Description**

[**BreakCreator**](#page15)**()**

**¨**

**Method Summary**

**Modifier and Type** **Method and Description**

**boolean**

**java.lang.String**

**int**

**int**

[**BreakCreator.OnBreakReadyListener**](#page19)

**int**

**int**

**boolean**

**static** [**BreakCreator**](#page10)

**void**

**android.view.View**

**void**

[**checkIfComplete**](#page16)**()**

**Check if the potential break is complete or if certain fields missing.**

[**getDay**](#page124)**()**

**Getter for day**

[**getEndHour**](#page17)**()**

**Getter for endHour**

[**getEndMinute**](#page17)**()**

**Getter for endMinute**

[**getListener**](#page17)**()**

**Getter for mListener**

[**getStartHour**](#page17)**()**

**Getter for startHour**

[**getStartMinute**](#page17)**()**

**Getter for startMinute**

[**isCancelled**](#page16)**()**

**Getter for isCancelled**

[**newInstance**](#page15)**(int title)**

**Creates a new instance of this dialog.**

[**onAttach**](#page214)**(android.content.Context context)**

**Gets context from attached activity.**

[**onCreateView**](#page222)**(android.view.LayoutInflater inflat android.view.ViewGroup container, android.os.Bundle savedInstanceState)**

**Inflates the visual layout of the dialog.**

[**onItemSelected**](#page16)**(android.widget.AdapterView<?> pa android.view.View view, int position, long id)**

**Selects a day from the dropdown menu when it is clicked o**

[**onNothingSelected**](#page16)**(android.widget.AdapterView<?>**

**void**

**Sets a default value when no day is selected in the dropdow**

**12**

**void**

**void**

**void**

**void**

**void**

**à**

[**onResume**](#page215)**()**

**Removes the keyboard from the screen when the dialog ap**

[**onViewCreated**](#page16)**(android.view.View view, android.os.Bundle savedInstanceState)**

**Sets listeners when the layout is inflated.**

[**setEndTimeView**](#page16)**()**

**Setter for endTimeView**

[**setListener**](#page17)**(**[**BreakCreator.OnBreakReadyListener**](#page19) **l**

**Setter for mListener**

[**setStartTimeView**](#page16)**()**

**Setter for startTimeView**

**Methods inherited from**

**class android.support.v4.app.DialogFragment**

**dismiss, dismissAllowingStateLoss, getDialog, getLayoutInflater, getShowsDialog, getTheme, isCancelable, onActivityCreated, onCancel, onCreate, onCreateDialog, onDestroyView, onDetach, onDismiss, onSaveInstanceState, onStart, onStop, setCancelable, setShowsDialog, setStyle, setupDialog, show, show**

**à**

**Methods inherited from**

**class android.support.v4.app.Fragment**

**dump, equals, getActivity, getAllowEnterTransitionOverlap, getAllowReturnTransitionOverlap, getArguments, getChildFragmentManager, getContext, getEnterTransition, getExitTransition, getFragmentManager, getHost, getId, getLoaderManager, getParentFragment, getReenterTransition, getResources, getRetainInstance, getReturnTransition, getSharedElementEnterTransition, getSharedElementReturnTransition, getString, getString, getTag, getTargetFragment, getTargetRequestCode, getText, getUserVisibleHint, getView, hashCode, hasOptionsMenu, instantiate, instantiate, isAdded, isDetached, isHidden, isInLayout, isMenuVisible, isRemoving, isResumed, isVisible, onActivityResult, onAttach, onAttachFragment, onConfigurationChanged, onContextItemSelected, onCreateAnimation, onCreateContextMenu, onCreateOptionsMenu, onDestroy, onDestroyOptionsMenu, onHiddenChanged, onInflate, onInflate, onLowMemory, onMultiWindowModeChanged, onOptionsItemSelected, onOptionsMenuClosed, onPause, onPictureInPictureModeChanged, onPrepareOptionsMenu, onRequestPermissionsResult, onViewStateRestored, postponeEnterTransition, registerForContextMenu, requestPermissions, setAllowEnterTransitionOverlap, setAllowReturnTransitionOverlap, setArguments, setEnterSharedElementCallback, setEnterTransition, setExitSharedElementCallback, setExitTransition, setHasOptionsMenu, setInitialSavedState, setMenuVisibility, setReenterTransition, setRetainInstance, setReturnTransition, setSharedElementEnterTransition, setSharedElementReturnTransition, setTargetFragment, setUserVisibleHint, shouldShowRequestPermissionRationale, startActivity, startActivity, startActivityForResult, startActivityForResult, startIntentSenderForResult, startPostponedEnterTransition, toString, unregisterForContextMenu**

**13**

* **à Methods inherited from class java.lang.Object**

**clone, finalize, getClass, notify, notifyAll, wait, wait, wait**

* **¨**

**Field Detail**

**à isCancelled**

**private boolean isCancelled**

**Is true if the user cancelled the break creation**

**à day**

**private java.lang.String day**

**Day of the break**

**à startHour**

**private int startHour**

**The starting hour of the break**

**à startMinute**

**private int startMinute**

**The starting minute of the break**

**à endHour**

**private int endHour**

**The ending hour of the break**

**à endMinute**

**private int endMinute**

**The ending minute of the break**

**à startTime**

**private android.widget.TextView startTime**

**Contains the view for the start time**

**à endTime**

**private android.widget.TextView endTime**

**Contains the view for the end time**

**à context**

**private android.content.Context context**

**Contains the context of the attached activity**

**14**

**à listDay**

**private android.widget.Spinner listDay**

**Contains the drop-down menu of the days of the week**

**à start**

**private android.app.TimePickerDialog start**

**The TimePickerDialog for the starting time**

**à end**

**private android.app.TimePickerDialog end**

**The TimePickerDialog for the ending time**

**à mListener**

**private** [**BreakCreator.OnBreakReadyListener**](#page19) **mListener**

**Contains the listener when the break is ready**

**¨**

**Constructor Detail**

**à BreakCreator**

**public BreakCreator()**

**¨**

**Method Detail**

**à onResume**

**public void onResume()**

**Removes the keyboard from the screen when the dialog appears. Overrides:**

**onResume in class android.support.v4.app.Fragment**

**à newInstance**

**public static** [**BreakCreator**](#page10) **newInstance(int title)**

**Creates a new instance of this dialog.**

**à onAttach**

**public void onAttach(android.content.Context context)**

**Gets context from attached activity.**

**Overrides:**

**onAttach in class android.support.v4.app.DialogFragment**

**15**

**à onCreateView**

**public android.view.View onCreateView(android.view.LayoutInflater inflater, android.view.ViewGroup container, android.os.Bundle savedInstanceState)**

**Inflates the visual layout of the dialog.**

**Overrides:**

**onCreateView in class android.support.v4.app.Fragment**

**à onViewCreated**

**public void onViewCreated(android.view.View view, @Nullable**

**android.os.Bundle savedInstanceState)**

**Sets listeners when the layout is inflated.**

**Overrides:**

**onViewCreated in class android.support.v4.app.Fragment**

**à onItemSelected**

**public void onItemSelected(android.widget.AdapterView<?> parent, android.view.View view,**

**int position, long id)**

**Selects a day from the dropdown menu when it is clicked on.**

**Specified by:**

**onItemSelected in**

**interface android.widget.AdapterView.OnItemSelectedListener**

**à onNothingSelected**

**public void onNothingSelected(android.widget.AdapterView<?> parent)**

**Sets a default value when no day is selected in the dropdown menu**

**Specified by:**

**onNothingSelected in**

**interface android.widget.AdapterView.OnItemSelectedListener**

**à setStartTimeView**

**public void setStartTimeView()**

**Setter for startTimeView**

**à setEndTimeView**

**public void setEndTimeView()**

**Setter for endTimeView**

**à checkIfComplete**

**public boolean checkIfComplete()**

**Check if the potential break is complete or if certain fields are missing.**

**16**

**à isCancelled**

**public boolean isCancelled()**

**Getter for isCancelled**

**à getDay**

**public java.lang.String getDay()**

**Getter for day**

**à getStartHour**

**public int getStartHour()**

**Getter for startHour**

**à getStartMinute**

**public int getStartMinute()**

**Getter for startMinute**

**à getEndHour**

**public int getEndHour()**

**Getter for endHour**

**à getEndMinute**

**public int getEndMinute()**

**Getter for endMinute**

**à getListener**

**public** [**BreakCreator.OnBreakReadyListener**](#page19) **getListener()**

**Getter for mListener**

**à setListener**

**public void setListener(**[**BreakCreator.OnBreakReadyListener**](#page19) **listener)**

**Setter for mListener**

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**ultramirinc.champs\_mood**

**Interface BreakCreator.OnBreakReadyListener**

**· All Known Implementing Classes:**

[**ScheduleAdder**](#page85)

**Enclosing class:**

[**BreakCreator**](#page10)

**public static interface**

**A Custom listener for when the break is ready.**

* **¨**

**Method Summary**

|  |  |
| --- | --- |
| **Modifier and Type** | **Method and Description** |
| **void** | [**onBreakReady**](#page91)**(java.lang.String breakString)** |

**19**

* **¨ Method Detail**
  + **onBreakReady**

**void onBreakReady(java.lang.String breakString)**

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**ultramirinc.champs\_mood**

**Class CreditsActivity**

* **java.lang.Object**
* **¨ android.content.Context**
  + **à android.content.ContextWrapper**

**à × android.view.ContextThemeWrapper × · android.app.Activity**

**·¨ android.support.v4.app.SupportActivity**

**¨à android.support.v4.app.FragmentActivity**

**à× android.support.v7.app.AppCompatActivity**

**×· ultramirinc.champs\_mood.CreditsActivity**

* **All Implemented Interfaces:**

**android.content.ComponentCallbacks, android.content.ComponentCallbacks2, android.support.v4.app.ActivityCompat.OnRequestPermissionsResultCallback, android.support.v4.app.ActivityCompatApi23.RequestPermissionsRequestCodeValidator, android.support.v4.app.TaskStackBuilder.SupportParentable, android.support.v7.app.ActionBarDrawerToggle.DelegateProvider, android.support.v7.app.AppCompatCallback, android.view.KeyEvent.Callback, android.view.LayoutInflater.Factory, android.view.LayoutInflater.Factory2, android.view.View.OnCreateContextMenuListener, android.view.Window.Callback**

**21**

**public class**

**extends android.support.v7.app.AppCompatActivity**

**Created by William on 2017-05-04. This activity shows the credits given to each person who directly or indirectly helped us achieve this project**

* **¨**

**Nested Class Summary**

**à**

**Nested classes/interfaces inherited from class android.support.v4.app.SupportActivity**

**android.support.v4.app.SupportActivity.ExtraData**

**¨**

**Field Summary**

**à**

**Fields inherited from class android.app.Activity**

**DEFAULT\_KEYS\_DIALER, DEFAULT\_KEYS\_DISABLE,**

**DEFAULT\_KEYS\_SEARCH\_GLOBAL, DEFAULT\_KEYS\_SEARCH\_LOCAL,**

**DEFAULT\_KEYS\_SHORTCUT, FOCUSED\_STATE\_SET, RESULT\_CANCELED,**

**RESULT\_FIRST\_USER, RESULT\_OK**

**à**

**Fields inherited from class android.content.Context**

**ACCESSIBILITY\_SERVICE, ACCOUNT\_SERVICE, ACTIVITY\_SERVICE,**

**ALARM\_SERVICE, APP\_OPS\_SERVICE, APPWIDGET\_SERVICE, AUDIO\_SERVICE,**

**BATTERY\_SERVICE, BIND\_ABOVE\_CLIENT, BIND\_ADJUST\_WITH\_ACTIVITY,**

**BIND\_ALLOW\_OOM\_MANAGEMENT, BIND\_AUTO\_CREATE, BIND\_DEBUG\_UNBIND,**

**BIND\_EXTERNAL\_SERVICE, BIND\_IMPORTANT, BIND\_NOT\_FOREGROUND,**

**BIND\_WAIVE\_PRIORITY, BLUETOOTH\_SERVICE, CAMERA\_SERVICE,**

**CAPTIONING\_SERVICE, CARRIER\_CONFIG\_SERVICE, CLIPBOARD\_SERVICE,**

**CONNECTIVITY\_SERVICE, CONSUMER\_IR\_SERVICE, CONTEXT\_IGNORE\_SECURITY,**

**CONTEXT\_INCLUDE\_CODE, CONTEXT\_RESTRICTED, DEVICE\_POLICY\_SERVICE,**

**DISPLAY\_SERVICE, DOWNLOAD\_SERVICE, DROPBOX\_SERVICE,**

**FINGERPRINT\_SERVICE, HARDWARE\_PROPERTIES\_SERVICE,**

**INPUT\_METHOD\_SERVICE, INPUT\_SERVICE, JOB\_SCHEDULER\_SERVICE,**

**KEYGUARD\_SERVICE, LAUNCHER\_APPS\_SERVICE, LAYOUT\_INFLATER\_SERVICE,**

**LOCATION\_SERVICE, MEDIA\_PROJECTION\_SERVICE, MEDIA\_ROUTER\_SERVICE,**

**MEDIA\_SESSION\_SERVICE, MIDI\_SERVICE, MODE\_APPEND,**

**MODE\_ENABLE\_WRITE\_AHEAD\_LOGGING, MODE\_MULTI\_PROCESS,**

**MODE\_NO\_LOCALIZED\_COLLATORS, MODE\_PRIVATE, MODE\_WORLD\_READABLE,**

**MODE\_WORLD\_WRITEABLE, NETWORK\_STATS\_SERVICE, NFC\_SERVICE,**

**NOTIFICATION\_SERVICE, NSD\_SERVICE, POWER\_SERVICE, PRINT\_SERVICE,**

**RESTRICTIONS\_SERVICE, SEARCH\_SERVICE, SENSOR\_SERVICE,**

**SHORTCUT\_SERVICE, STORAGE\_SERVICE, SYSTEM\_HEALTH\_SERVICE,**

**TELECOM\_SERVICE, TELEPHONY\_SERVICE, TELEPHONY\_SUBSCRIPTION\_SERVICE,**

**TEXT\_SERVICES\_MANAGER\_SERVICE, TV\_INPUT\_SERVICE, UI\_MODE\_SERVICE,**

**USAGE\_STATS\_SERVICE, USB\_SERVICE, USER\_SERVICE, VIBRATOR\_SERVICE,**

**WALLPAPER\_SERVICE, WIFI\_P2P\_SERVICE, WIFI\_SERVICE, WINDOW\_SERVICE**

**22**

* **Fields inherited from**

**interface android.content.ComponentCallbacks2**

**TRIM\_MEMORY\_BACKGROUND, TRIM\_MEMORY\_COMPLETE, TRIM\_MEMORY\_MODERATE,**

**TRIM\_MEMORY\_RUNNING\_CRITICAL, TRIM\_MEMORY\_RUNNING\_LOW,**

**TRIM\_MEMORY\_RUNNING\_MODERATE, TRIM\_MEMORY\_UI\_HIDDEN**

**¨**

**Constructor Summary**

**Constructor and Description**

[**CreditsActivity**](#page26)**()**

**¨**

**Method Summary**

**Modifier and Type** **Method and Description**

[**onCreate**](#page222)**(android.os.Bundle savedInstanceState)**

**protected void**

**Creates and inflates the layout for the activity**

**à**

**Methods inherited from**

**class android.support.v7.app.AppCompatActivity**

**addContentView, dispatchKeyEvent, findViewById, getDelegate, getDrawerToggleDelegate, getMenuInflater, getResources, getSupportActionBar, getSupportParentActivityIntent, invalidateOptionsMenu, onConfigurationChanged, onContentChanged, onCreateSupportNavigateUpTaskStack, onDestroy, onMenuItemSelected, onMenuOpened, onPanelClosed, onPostCreate, onPostResume, onPrepareSupportNavigateUpTaskStack, onSaveInstanceState, onStart, onStop, onSupportActionModeFinished, onSupportActionModeStarted, onSupportContentChanged, onSupportNavigateUp, onTitleChanged, onWindowStartingSupportActionMode, setContentView, setContentView, setContentView, setSupportActionBar, setSupportProgress, setSupportProgressBarIndeterminate, setSupportProgressBarIndeterminateVisibility, setSupportProgressBarVisibility, setTheme, startSupportActionMode, supportInvalidateOptionsMenu, supportNavigateUpTo, supportRequestWindowFeature, supportShouldUpRecreateTask**

**à**

**Methods inherited from**

**class android.support.v4.app.FragmentActivity**

**dump, getLastCustomNonConfigurationInstance, getSupportFragmentManager, getSupportLoaderManager, getSupportMediaController, onActivityResult, onAttachFragment, onBackPressed, onCreatePanelMenu, onLowMemory, onMultiWindowModeChanged, onNewIntent, onPause, onPictureInPictureModeChanged, onPrepareOptionsPanel, onPreparePanel, onRequestPermissionsResult, onResume, onResumeFragments, onRetainCustomNonConfigurationInstance, onRetainNonConfigurationInstance, onStateNotSaved, setEnterSharedElementCallback, setExitSharedElementCallback, setSupportMediaController, startActivityForResult,**

**23**

**startActivityFromFragment, startActivityFromFragment, startIntentSenderFromFragment, supportFinishAfterTransition, supportPostponeEnterTransition, supportStartPostponedEnterTransition, validateRequestPermissionsRequestCode**

**à**

**Methods inherited from**

**class android.support.v4.app.SupportActivity**

**getExtraData, putExtraData**

**à**

**Methods inherited from class android.app.Activity**

**closeContextMenu, closeOptionsMenu, createPendingResult, dismissDialog, dismissKeyboardShortcutsHelper, dispatchGenericMotionEvent, dispatchKeyShortcutEvent, dispatchPopulateAccessibilityEvent, dispatchTouchEvent, dispatchTrackballEvent, enterPictureInPictureMode, finish, finishActivity, finishActivityFromChild, finishAffinity, finishAfterTransition, finishAndRemoveTask, finishFromChild, getActionBar, getApplication, getCallingActivity, getCallingPackage, getChangingConfigurations, getComponentName, getContentScene, getContentTransitionManager, getCurrentFocus, getFragmentManager, getIntent, getLastNonConfigurationInstance, getLayoutInflater, getLoaderManager, getLocalClassName, getMediaController, getParent, getParentActivityIntent, getPreferences, getReferrer, getRequestedOrientation, getSearchEvent, getSystemService, getTaskId, getTitle, getTitleColor, getVoiceInteractor, getVolumeControlStream, getWindow, getWindowManager, hasWindowFocus, isChangingConfigurations, isChild, isDestroyed, isFinishing, isImmersive, isInMultiWindowMode, isInPictureInPictureMode, isLocalVoiceInteractionSupported, isTaskRoot, isVoiceInteraction, isVoiceInteractionRoot, managedQuery, moveTaskToBack, navigateUpTo, navigateUpToFromChild, onActionModeFinished, onActionModeStarted, onActivityReenter, onApplyThemeResource, onAttachedToWindow, onAttachFragment, onChildTitleChanged, onContextItemSelected, onContextMenuClosed, onCreate, onCreateContextMenu, onCreateDescription, onCreateDialog, onCreateDialog, onCreateNavigateUpTaskStack, onCreateOptionsMenu, onCreatePanelView, onCreateThumbnail, onDetachedFromWindow, onEnterAnimationComplete, onGenericMotionEvent, onKeyDown, onKeyLongPress, onKeyMultiple, onKeyShortcut, onKeyUp, onLocalVoiceInteractionStarted, onLocalVoiceInteractionStopped, onNavigateUp, onNavigateUpFromChild, onOptionsItemSelected, onOptionsMenuClosed, onPostCreate, onPrepareDialog, onPrepareDialog, onPrepareNavigateUpTaskStack, onPrepareOptionsMenu, onProvideAssistContent, onProvideAssistData, onProvideKeyboardShortcuts, onProvideReferrer, onRestart, onRestoreInstanceState, onRestoreInstanceState, onSaveInstanceState, onSearchRequested, onSearchRequested, onTouchEvent, onTrackballEvent, onTrimMemory, onUserInteraction, onUserLeaveHint, onVisibleBehindCanceled, onWindowAttributesChanged, onWindowFocusChanged, onWindowStartingActionMode, onWindowStartingActionMode, openContextMenu, openOptionsMenu, overridePendingTransition, postponeEnterTransition, recreate, registerForContextMenu, releaseInstance, removeDialog, reportFullyDrawn, requestDragAndDropPermissions, requestPermissions, requestShowKeyboardShortcuts, requestVisibleBehind, requestWindowFeature, runOnUiThread, setActionBar, setContentTransitionManager, setDefaultKeyMode, setEnterSharedElementCallback, setExitSharedElementCallback, setFeatureDrawable, setFeatureDrawableAlpha,**

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**setFeatureDrawableResource, setFeatureDrawableUri, setFinishOnTouchOutside, setImmersive, setIntent, setMediaController, setProgress, setProgressBarIndeterminate, setProgressBarIndeterminateVisibility, setProgressBarVisibility, setRequestedOrientation, setResult, setResult, setSecondaryProgress, setTaskDescription, setTitle, setTitle, setTitleColor, setVisible, setVolumeControlStream, setVrModeEnabled, shouldShowRequestPermissionRationale, shouldUpRecreateTask, showAssist, showDialog, showDialog, showLockTaskEscapeMessage, startActionMode, startActionMode, startActivities, startActivities, startActivity, startActivity, startActivityFromChild, startActivityFromChild, startActivityFromFragment, startActivityFromFragment, startActivityIfNeeded, startActivityIfNeeded, startIntentSender, startIntentSender, startIntentSenderFromChild, startIntentSenderFromChild, startLocalVoiceInteraction, startLockTask, startManagingCursor, startNextMatchingActivity, startNextMatchingActivity, startPostponedEnterTransition, startSearch, stopLocalVoiceInteraction, stopLockTask, stopManagingCursor, takeKeyEvents, triggerSearch, unregisterForContextMenu**

**à**

**Methods inherited from**

**class android.view.ContextThemeWrapper**

**applyOverrideConfiguration, attachBaseContext, getAssets, getTheme**

**à**

**Methods inherited from**

**class android.content.ContextWrapper**

**bindService, checkCallingOrSelfPermission, checkCallingOrSelfUriPermission, checkCallingPermission, checkCallingUriPermission, checkPermission, checkSelfPermission, checkUriPermission, checkUriPermission, clearWallpaper, createConfigurationContext, createDeviceProtectedStorageContext, createDisplayContext, createPackageContext, databaseList, deleteDatabase, deleteFile, deleteSharedPreferences, enforceCallingOrSelfPermission, enforceCallingOrSelfUriPermission, enforceCallingPermission, enforceCallingUriPermission, enforcePermission, enforceUriPermission, enforceUriPermission, fileList, getApplicationContext, getApplicationInfo, getBaseContext, getCacheDir, getClassLoader, getCodeCacheDir, getContentResolver, getDatabasePath, getDataDir, getDir, getExternalCacheDir, getExternalCacheDirs, getExternalFilesDir, getExternalFilesDirs, getExternalMediaDirs, getFilesDir, getFileStreamPath, getMainLooper, getNoBackupFilesDir, getObbDir, getObbDirs, getPackageCodePath, getPackageManager, getPackageName, getPackageResourcePath, getSharedPreferences, getSystemServiceName, getWallpaper, getWallpaperDesiredMinimumHeight, getWallpaperDesiredMinimumWidth, grantUriPermission, isDeviceProtectedStorage, isRestricted, moveDatabaseFrom, moveSharedPreferencesFrom, openFileInput, openFileOutput, openOrCreateDatabase, openOrCreateDatabase, peekWallpaper, registerReceiver, registerReceiver, removeStickyBroadcast, removeStickyBroadcastAsUser, revokeUriPermission, sendBroadcast, sendBroadcast, sendBroadcastAsUser, sendBroadcastAsUser, sendOrderedBroadcast, sendOrderedBroadcast, sendOrderedBroadcastAsUser, sendStickyBroadcast, sendStickyBroadcastAsUser, sendStickyOrderedBroadcast, sendStickyOrderedBroadcastAsUser, setWallpaper, setWallpaper, startInstrumentation, startService, stopService, unbindService, unregisterReceiver**

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**à Methods inherited from class android.content.Context**

**getColor, getColorStateList, getDrawable, getString, getString, getSystemService, getText, obtainStyledAttributes, obtainStyledAttributes, obtainStyledAttributes, obtainStyledAttributes, registerComponentCallbacks, unregisterComponentCallbacks**

**à**

**Methods inherited from class java.lang.Object**

**clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait**

* **¨**

**Constructor Detail**

**à CreditsActivity**

**public CreditsActivity()**

**¨**

**Method Detail**

**à onCreate**

**protected void onCreate(android.os.Bundle savedInstanceState)**

**Creates and inflates the layout for the activity**

**Overrides:**

**onCreate in class android.support.v7.app.AppCompatActivity**

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**ultramirinc.champs\_mood**

**Class FriendProfileActivity**

* **java.lang.Object**
* **¨ android.content.Context**
  + **à android.content.ContextWrapper**

**à × android.view.ContextThemeWrapper × · android.app.Activity**

**·¨ android.support.v4.app.SupportActivity**

**¨à android.support.v4.app.FragmentActivity**

**à× android.support.v7.app.AppCompatActivity**

**×· ultramirinc.champs\_mood.FriendProfileActiv**

* **All Implemented Interfaces:**

**android.content.ComponentCallbacks, android.content.ComponentCallbacks2, android.support.v4.app.ActivityCompat.OnRequestPermissionsResultCallback, android.support.v4.app.ActivityCompatApi23.RequestPermissionsRequestCodeValidator, android.support.v4.app.TaskStackBuilder.SupportParentable, android.support.v7.app.ActionBarDrawerToggle.DelegateProvider, android.support.v7.app.AppCompatCallback, android.view.KeyEvent.Callback, android.view.LayoutInflater.Factory, android.view.LayoutInflater.Factory2, android.view.View.OnCreateContextMenuListener, android.view.Window.Callback,**

**28**

**com.google.android.gms.maps.OnMapReadyCallback**

**public class**

**extends android.support.v7.app.AppCompatActivity implements com.google.android.gms.maps.OnMapReadyCallback**

**Created by Etienne Berube on 2017-05-05. This is the profile of a given user (That is the the current user). This allows the user to see his friend's profile and location**

* **¨**

**Nested Class Summary**

**à**

**Nested classes/interfaces inherited from class android.support.v4.app.SupportActivity**

**android.support.v4.app.SupportActivity.ExtraData**

**¨**

**Field Summary**

|  |  |  |
| --- | --- | --- |
| **Modifier and Type** | **Field and Description** |  |
|  | [**friendProfile**](#page34) |  |
| **private** [**User**](#page145) | **Contains the friend's User** |  |
|  | **object** |  |
| **private** | [**latLng**](#page34) |  |
| **com.google.android.gms.maps.model.LatLng** | **Contains the friend's location** |  |
| **private com.google.android.gms.maps.GoogleMap** | [**mMap**](#page212) |  |
| **Contains the map used** |  |
|  |  |
| **private android.app.ProgressDialog** | [**progressDialog**](#page222) |  |
| **Contains a progress dialog** |  |
|  |  |

**à**

**Fields inherited from class android.app.Activity**

**DEFAULT\_KEYS\_DIALER, DEFAULT\_KEYS\_DISABLE,**

**DEFAULT\_KEYS\_SEARCH\_GLOBAL, DEFAULT\_KEYS\_SEARCH\_LOCAL,**

**DEFAULT\_KEYS\_SHORTCUT, FOCUSED\_STATE\_SET, RESULT\_CANCELED,**

**RESULT\_FIRST\_USER, RESULT\_OK**

**à**

**Fields inherited from class android.content.Context**

**ACCESSIBILITY\_SERVICE, ACCOUNT\_SERVICE, ACTIVITY\_SERVICE,**

**ALARM\_SERVICE, APP\_OPS\_SERVICE, APPWIDGET\_SERVICE, AUDIO\_SERVICE,**

**BATTERY\_SERVICE, BIND\_ABOVE\_CLIENT, BIND\_ADJUST\_WITH\_ACTIVITY,**

**BIND\_ALLOW\_OOM\_MANAGEMENT, BIND\_AUTO\_CREATE, BIND\_DEBUG\_UNBIND,**

**BIND\_EXTERNAL\_SERVICE, BIND\_IMPORTANT, BIND\_NOT\_FOREGROUND,**

**BIND\_WAIVE\_PRIORITY, BLUETOOTH\_SERVICE, CAMERA\_SERVICE,**

**CAPTIONING\_SERVICE, CARRIER\_CONFIG\_SERVICE, CLIPBOARD\_SERVICE,**

**CONNECTIVITY\_SERVICE, CONSUMER\_IR\_SERVICE, CONTEXT\_IGNORE\_SECURITY,**

**CONTEXT\_INCLUDE\_CODE, CONTEXT\_RESTRICTED, DEVICE\_POLICY\_SERVICE,**

**DISPLAY\_SERVICE, DOWNLOAD\_SERVICE, DROPBOX\_SERVICE,**

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**FINGERPRINT\_SERVICE, HARDWARE\_PROPERTIES\_SERVICE,**

**INPUT\_METHOD\_SERVICE, INPUT\_SERVICE, JOB\_SCHEDULER\_SERVICE,**

**KEYGUARD\_SERVICE, LAUNCHER\_APPS\_SERVICE, LAYOUT\_INFLATER\_SERVICE,**

**LOCATION\_SERVICE, MEDIA\_PROJECTION\_SERVICE, MEDIA\_ROUTER\_SERVICE,**

**MEDIA\_SESSION\_SERVICE, MIDI\_SERVICE, MODE\_APPEND,**

**MODE\_ENABLE\_WRITE\_AHEAD\_LOGGING, MODE\_MULTI\_PROCESS,**

**MODE\_NO\_LOCALIZED\_COLLATORS, MODE\_PRIVATE, MODE\_WORLD\_READABLE,**

**MODE\_WORLD\_WRITEABLE, NETWORK\_STATS\_SERVICE, NFC\_SERVICE,**

**NOTIFICATION\_SERVICE, NSD\_SERVICE, POWER\_SERVICE, PRINT\_SERVICE,**

**RESTRICTIONS\_SERVICE, SEARCH\_SERVICE, SENSOR\_SERVICE,**

**SHORTCUT\_SERVICE, STORAGE\_SERVICE, SYSTEM\_HEALTH\_SERVICE,**

**TELECOM\_SERVICE, TELEPHONY\_SERVICE, TELEPHONY\_SUBSCRIPTION\_SERVICE,**

**TEXT\_SERVICES\_MANAGER\_SERVICE, TV\_INPUT\_SERVICE, UI\_MODE\_SERVICE,**

**USAGE\_STATS\_SERVICE, USB\_SERVICE, USER\_SERVICE, VIBRATOR\_SERVICE,**

**WALLPAPER\_SERVICE, WIFI\_P2P\_SERVICE, WIFI\_SERVICE, WINDOW\_SERVICE**

**à**

**Fields inherited from**

**interface android.content.ComponentCallbacks2**

**TRIM\_MEMORY\_BACKGROUND, TRIM\_MEMORY\_COMPLETE, TRIM\_MEMORY\_MODERATE,**

**TRIM\_MEMORY\_RUNNING\_CRITICAL, TRIM\_MEMORY\_RUNNING\_LOW,**

**TRIM\_MEMORY\_RUNNING\_MODERATE, TRIM\_MEMORY\_UI\_HIDDEN**

**¨**

**Constructor Summary**

**Constructor and Description**

[**FriendProfileActivity**](#page34)**()**

**¨**

**Method Summary**

**Modifier**

**and Type**

**private int**

**private void**

**private void**

**static long**

**void**

**void**

**Method and Description**

[**adaptDayOfWeek**](#page218)**(int weekday)**

**There is a mismatch between our original int values of weekdays with the java.utils.calendar int values of weekdays.**

[**checkBreakStatus**](#page35)**()**

**Checks the status of the friend's break (in break in X minutes, in break or no more breaks).**

[**follow**](#page34)**(**[**User**](#page145) **userToFollow)**

**Allows to follow the given user.**

[**getDateDiff**](#page217)**(java.util.GregorianCalendar date1, java.util.GregorianCalendar date2, java.util.concurrent.TimeUnit timeUnit)**

**Returns the time difference in milliseconds between two dates.**

[**loadFriendProfile**](#page34)**(java.lang.String userId)**

**Gets the user's information from the database.**

[**onBackPressed**](#page118)**()**

**Handles the event when the back button is pressed on the android device.**

**protected** [**onCreate**](#page222)**(android.os.Bundle savedInstanceState)**

**void** **Creates and inflates the layout of the activity.**

**30**

|  |  |  |
| --- | --- | --- |
| **void** | [**onMapReady**](#page216)**(com.google.android.gms.maps.GoogleMap googleMap)** |  |
| **Sets the map when it is ready (Location, zoom, position, markers, etc.).** |  |
|  |  |
| **private** | [**unFollow**](#page34)**(**[**User**](#page145) **userToUnfollow)** |  |
| **boolean** | **Allows to unfollow the given user.** |  |
| **void** | [**updateFriendShipButton**](#page35)**(boolean isFriend)** |  |
| **Updates the text of the button.** |  |
|  |  |

**à**

**Methods inherited from**

**class android.support.v7.app.AppCompatActivity**

**addContentView, dispatchKeyEvent, findViewById, getDelegate, getDrawerToggleDelegate, getMenuInflater, getResources, getSupportActionBar, getSupportParentActivityIntent, invalidateOptionsMenu, onConfigurationChanged, onContentChanged, onCreateSupportNavigateUpTaskStack, onDestroy, onMenuItemSelected, onMenuOpened, onPanelClosed, onPostCreate, onPostResume, onPrepareSupportNavigateUpTaskStack, onSaveInstanceState, onStart, onStop, onSupportActionModeFinished, onSupportActionModeStarted, onSupportContentChanged, onSupportNavigateUp, onTitleChanged, onWindowStartingSupportActionMode, setContentView, setContentView, setContentView, setSupportActionBar, setSupportProgress, setSupportProgressBarIndeterminate, setSupportProgressBarIndeterminateVisibility, setSupportProgressBarVisibility, setTheme, startSupportActionMode, supportInvalidateOptionsMenu, supportNavigateUpTo, supportRequestWindowFeature, supportShouldUpRecreateTask**

**à**

**Methods inherited from**

**class android.support.v4.app.FragmentActivity**

**dump, getLastCustomNonConfigurationInstance, getSupportFragmentManager, getSupportLoaderManager, getSupportMediaController, onActivityResult, onAttachFragment, onCreatePanelMenu, onLowMemory, onMultiWindowModeChanged, onNewIntent, onPause, onPictureInPictureModeChanged, onPrepareOptionsPanel, onPreparePanel, onRequestPermissionsResult, onResume, onResumeFragments, onRetainCustomNonConfigurationInstance, onRetainNonConfigurationInstance, onStateNotSaved, setEnterSharedElementCallback, setExitSharedElementCallback, setSupportMediaController, startActivityForResult, startActivityFromFragment, startActivityFromFragment, startIntentSenderFromFragment, supportFinishAfterTransition, supportPostponeEnterTransition, supportStartPostponedEnterTransition, validateRequestPermissionsRequestCode**

**à**

**Methods inherited from**

**class android.support.v4.app.SupportActivity**

**getExtraData, putExtraData**

**à**

**Methods inherited from class android.app.Activity**

**closeContextMenu, closeOptionsMenu, createPendingResult, dismissDialog, dismissKeyboardShortcutsHelper, dispatchGenericMotionEvent, dispatchKeyShortcutEvent,**

**31**

**dispatchPopulateAccessibilityEvent, dispatchTouchEvent, dispatchTrackballEvent, enterPictureInPictureMode, finish, finishActivity, finishActivityFromChild, finishAffinity, finishAfterTransition, finishAndRemoveTask, finishFromChild, getActionBar, getApplication, getCallingActivity, getCallingPackage, getChangingConfigurations, getComponentName, getContentScene, getContentTransitionManager, getCurrentFocus, getFragmentManager, getIntent, getLastNonConfigurationInstance, getLayoutInflater, getLoaderManager, getLocalClassName, getMediaController, getParent, getParentActivityIntent, getPreferences, getReferrer, getRequestedOrientation, getSearchEvent, getSystemService, getTaskId, getTitle, getTitleColor, getVoiceInteractor, getVolumeControlStream, getWindow, getWindowManager, hasWindowFocus, isChangingConfigurations, isChild, isDestroyed, isFinishing, isImmersive, isInMultiWindowMode, isInPictureInPictureMode, isLocalVoiceInteractionSupported, isTaskRoot, isVoiceInteraction, isVoiceInteractionRoot, managedQuery, moveTaskToBack, navigateUpTo, navigateUpToFromChild, onActionModeFinished, onActionModeStarted, onActivityReenter, onApplyThemeResource, onAttachedToWindow, onAttachFragment, onChildTitleChanged, onContextItemSelected, onContextMenuClosed, onCreate, onCreateContextMenu, onCreateDescription, onCreateDialog, onCreateDialog, onCreateNavigateUpTaskStack, onCreateOptionsMenu, onCreatePanelView, onCreateThumbnail, onDetachedFromWindow, onEnterAnimationComplete, onGenericMotionEvent, onKeyDown, onKeyLongPress, onKeyMultiple, onKeyShortcut, onKeyUp, onLocalVoiceInteractionStarted, onLocalVoiceInteractionStopped, onNavigateUp, onNavigateUpFromChild, onOptionsItemSelected, onOptionsMenuClosed, onPostCreate, onPrepareDialog, onPrepareDialog, onPrepareNavigateUpTaskStack, onPrepareOptionsMenu, onProvideAssistContent, onProvideAssistData, onProvideKeyboardShortcuts, onProvideReferrer, onRestart, onRestoreInstanceState, onRestoreInstanceState, onSaveInstanceState, onSearchRequested, onSearchRequested, onTouchEvent, onTrackballEvent, onTrimMemory, onUserInteraction, onUserLeaveHint, onVisibleBehindCanceled, onWindowAttributesChanged, onWindowFocusChanged, onWindowStartingActionMode, onWindowStartingActionMode, openContextMenu, openOptionsMenu, overridePendingTransition, postponeEnterTransition, recreate, registerForContextMenu, releaseInstance, removeDialog, reportFullyDrawn, requestDragAndDropPermissions, requestPermissions, requestShowKeyboardShortcuts, requestVisibleBehind, requestWindowFeature, runOnUiThread, setActionBar, setContentTransitionManager, setDefaultKeyMode, setEnterSharedElementCallback, setExitSharedElementCallback, setFeatureDrawable, setFeatureDrawableAlpha, setFeatureDrawableResource, setFeatureDrawableUri, setFinishOnTouchOutside, setImmersive, setIntent, setMediaController, setProgress, setProgressBarIndeterminate, setProgressBarIndeterminateVisibility, setProgressBarVisibility, setRequestedOrientation, setResult, setResult, setSecondaryProgress, setTaskDescription, setTitle, setTitle, setTitleColor, setVisible, setVolumeControlStream, setVrModeEnabled, shouldShowRequestPermissionRationale, shouldUpRecreateTask, showAssist, showDialog, showDialog, showLockTaskEscapeMessage, startActionMode, startActionMode, startActivities, startActivities, startActivity, startActivity, startActivityFromChild, startActivityFromChild, startActivityFromFragment, startActivityFromFragment, startActivityIfNeeded, startActivityIfNeeded, startIntentSender, startIntentSender, startIntentSenderFromChild, startIntentSenderFromChild, startLocalVoiceInteraction, startLockTask, startManagingCursor, startNextMatchingActivity, startNextMatchingActivity, startPostponedEnterTransition, startSearch,**

**32**

**stopLocalVoiceInteraction, stopLockTask, stopManagingCursor, takeKeyEvents, triggerSearch, unregisterForContextMenu**

**à**

**Methods inherited from**

**class android.view.ContextThemeWrapper**

**applyOverrideConfiguration, attachBaseContext, getAssets, getTheme**

**à**

**Methods inherited from**

**class android.content.ContextWrapper**

**bindService, checkCallingOrSelfPermission, checkCallingOrSelfUriPermission, checkCallingPermission, checkCallingUriPermission, checkPermission, checkSelfPermission, checkUriPermission, checkUriPermission, clearWallpaper, createConfigurationContext, createDeviceProtectedStorageContext, createDisplayContext, createPackageContext, databaseList, deleteDatabase, deleteFile, deleteSharedPreferences, enforceCallingOrSelfPermission, enforceCallingOrSelfUriPermission, enforceCallingPermission, enforceCallingUriPermission, enforcePermission, enforceUriPermission, enforceUriPermission, fileList, getApplicationContext, getApplicationInfo, getBaseContext, getCacheDir, getClassLoader, getCodeCacheDir, getContentResolver, getDatabasePath, getDataDir, getDir, getExternalCacheDir, getExternalCacheDirs, getExternalFilesDir, getExternalFilesDirs, getExternalMediaDirs, getFilesDir, getFileStreamPath, getMainLooper, getNoBackupFilesDir, getObbDir, getObbDirs, getPackageCodePath, getPackageManager, getPackageName, getPackageResourcePath, getSharedPreferences, getSystemServiceName, getWallpaper, getWallpaperDesiredMinimumHeight, getWallpaperDesiredMinimumWidth, grantUriPermission, isDeviceProtectedStorage, isRestricted, moveDatabaseFrom, moveSharedPreferencesFrom, openFileInput, openFileOutput, openOrCreateDatabase, openOrCreateDatabase, peekWallpaper, registerReceiver, registerReceiver, removeStickyBroadcast, removeStickyBroadcastAsUser, revokeUriPermission, sendBroadcast, sendBroadcast, sendBroadcastAsUser, sendBroadcastAsUser, sendOrderedBroadcast, sendOrderedBroadcast, sendOrderedBroadcastAsUser, sendStickyBroadcast, sendStickyBroadcastAsUser, sendStickyOrderedBroadcast, sendStickyOrderedBroadcastAsUser, setWallpaper, setWallpaper, startInstrumentation, startService, stopService, unbindService, unregisterReceiver**

**à**

**Methods inherited from class android.content.Context**

**getColor, getColorStateList, getDrawable, getString, getString, getSystemService, getText, obtainStyledAttributes, obtainStyledAttributes, obtainStyledAttributes, obtainStyledAttributes, registerComponentCallbacks, unregisterComponentCallbacks**

**à**

**Methods inherited from class java.lang.Object**

**clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait**

**33**

* **Field Detail**
  + **mMap**

**private com.google.android.gms.maps.GoogleMap mMap**

**Contains the map used**

**à friendProfile**

**private** [**User**](#page145) **friendProfile**

**Contains the friend's User object**

**à latLng**

**private com.google.android.gms.maps.model.LatLng latLng**

**Contains the friend's location**

**à progressDialog**

**private android.app.ProgressDialog progressDialog**

**Contains a progress dialog**

**¨**

**Constructor Detail**

**à FriendProfileActivity**

**public FriendProfileActivity()**

**¨**

**Method Detail**

**à onCreate**

**protected void onCreate(android.os.Bundle savedInstanceState)**

**Creates and inflates the layout of the activity.**

**Overrides:**

**onCreate in class android.support.v7.app.AppCompatActivity**

**à loadFriendProfile**

**public void loadFriendProfile(java.lang.String userId)**

**Gets the user's information from the database.**

**à unFollow**

**private boolean unFollow(**[**User**](#page145) **userToUnfollow)**

**Allows to unfollow the given user.**

**34**

* **à follow**

**private void follow(**[**User**](#page145) **userToFollow)**

**Allows to follow the given user.**

**à updateFriendShipButton**

**public void updateFriendShipButton(boolean isFriend)**

**Updates the text of the button.**

**à checkBreakStatus**

**private void checkBreakStatus()**

**Checks the status of the friend's break (in break in X minutes, in break or no more breaks).**

**à adaptDayOfWeek**

**private int adaptDayOfWeek(int weekday)**

**There is a mismatch between our original int values of weekdays with the java.utils.calendar int values of weekdays.**

**à getDateDiff**

**public static long getDateDiff(java.util.GregorianCalendar date1, java.util.GregorianCalendar date2, java.util.concurrent.TimeUnit timeUnit)**

**Returns the time difference in milliseconds between two dates.**

**à onMapReady**

**public void onMapReady(com.google.android.gms.maps.GoogleMap googleMap)**

**Sets the map when it is ready (Location, zoom, position, markers, etc.).**

**Specified by:**

**onMapReady in**

**interface com.google.android.gms.maps.OnMapReadyCallback**

**à onBackPressed**

**public void onBackPressed()**

**Handles the event when the back button is pressed on the android device.**

**Overrides:**

**onBackPressed in class android.support.v4.app.FragmentActivity**

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* **Method**

**ultramirinc.champs\_mood**

**Interface LoginActivity.ProfileQuery**

**· Enclosing class:**

[**LoginActivity**](#page39)

**private static interface**

**Interface for the profile query.**

**·** **¨**

**Field Summary**

**Modifier and Type** **Field and Description**

**static int** [**ADDRESS**](#page69)

**static int** [**IS\_PRIMARY**](#page69)

**static java.lang.String[]** [**PROJECTION**](#page69)

**37**

* **¨ Field Detail**
  + **PROJECTION**

**static final java.lang.String[] PROJECTION**

**à ADDRESS**

**static final int ADDRESS**

**See Also:**

[**Constant Field Values**](#ultramirinc.champs_mood.LoginActivity.ProfileQuery.ADDRESS)

**à IS\_PRIMARY**

**static final int IS\_PRIMARY**

**See Also:**

[**Constant Field Values**](#ultramirinc.champs_mood.LoginActivity.ProfileQuery.IS_PRIMARY)

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**ultramirinc.champs\_mood**

**Class LoginActivity**

* **java.lang.Object**
* **¨ android.content.Context**
  + **à android.content.ContextWrapper**

**à × android.view.ContextThemeWrapper × · android.app.Activity**

**·¨ android.support.v4.app.SupportActivity**

**¨à android.support.v4.app.FragmentActivity**

**à× android.support.v7.app.AppCompatActivity**

**×· ultramirinc.champs\_mood.LoginActivity**

* **All Implemented Interfaces:**

**android.app.LoaderManager.LoaderCallbacks<android.database.Cursor>, android.content.ComponentCallbacks, android.content.ComponentCallbacks2, android.support.v4.app.ActivityCompat.OnRequestPermissionsResultCallback, android.support.v4.app.ActivityCompatApi23.RequestPermissionsRequestCodeValidator, android.support.v4.app.TaskStackBuilder.SupportParentable, android.support.v7.app.ActionBarDrawerToggle.DelegateProvider, android.support.v7.app.AppCompatCallback, android.view.KeyEvent.Callback, android.view.LayoutInflater.Factory, android.view.LayoutInflater.Factory2,**

**39**

**android.view.View.OnCreateContextMenuListener, android.view.Window.Callback**

**public class**

**extends android.support.v7.app.AppCompatActivity**

**implements android.app.LoaderManager.LoaderCallbacks<android.database.Cursor>**

**Created by Etienne Berube on 2017-03-23. A login screen that offers login via email/password.**

* **¨**

**Nested Class Summary**

|  |  |  |
| --- | --- | --- |
| **Modifier and Type** | **Class and Description** |  |
| **private static interface** | [**LoginActivity.ProfileQuery**](#page37) |  |
| **Interface for the profile query.** |  |
|  |  |

**à**

**Nested classes/interfaces inherited from class android.support.v4.app.SupportActivity**

**android.support.v4.app.SupportActivity.ExtraData**

**¨**

**Field Summary**

**Modifier and Type**

**private boolean**

**private com.google.firebase.auth.FirebaseAuth**

**private android.view.View**

**private android.widget.AutoCompleteTextView**

**private android.view.View**

**private android.widget.EditText**

**private android.app.ProgressDialog**

**Field and Description**

[**cancel**](#page46)

**Contains a boolean value of cancellation for the account that is logging in**

[**firebaseAuth**](#page105)

**Defining Firebase auth object**

[**focusView**](#page46)

**Contains a View of the focus of the account that is logging in**

[**mEmailView**](#page81)

**Contains a AutoCompleteTextView of the email of the account that is logging in**

[**mLoginFormView**](#page46)

**Contains a View of the login form of the account that is logging in**

[**mPasswordView**](#page81)

**Contains a EditText of the password of the account that is logging in**

[**progressDialog**](#page222)

**Contains a ProgressDialog of the account that is logging in**

**private static int** [**REQUEST\_READ\_CONTACTS**](#page80)

**40**

**Id to identity READ\_CONTACTS permission request.**

**à**

**Fields inherited from class android.app.Activity**

**DEFAULT\_KEYS\_DIALER, DEFAULT\_KEYS\_DISABLE,**

**DEFAULT\_KEYS\_SEARCH\_GLOBAL, DEFAULT\_KEYS\_SEARCH\_LOCAL,**

**DEFAULT\_KEYS\_SHORTCUT, FOCUSED\_STATE\_SET, RESULT\_CANCELED,**

**RESULT\_FIRST\_USER, RESULT\_OK**

**à**

**Fields inherited from class android.content.Context**

**ACCESSIBILITY\_SERVICE, ACCOUNT\_SERVICE, ACTIVITY\_SERVICE,**

**ALARM\_SERVICE, APP\_OPS\_SERVICE, APPWIDGET\_SERVICE, AUDIO\_SERVICE,**

**BATTERY\_SERVICE, BIND\_ABOVE\_CLIENT, BIND\_ADJUST\_WITH\_ACTIVITY,**

**BIND\_ALLOW\_OOM\_MANAGEMENT, BIND\_AUTO\_CREATE, BIND\_DEBUG\_UNBIND,**

**BIND\_EXTERNAL\_SERVICE, BIND\_IMPORTANT, BIND\_NOT\_FOREGROUND,**

**BIND\_WAIVE\_PRIORITY, BLUETOOTH\_SERVICE, CAMERA\_SERVICE,**

**CAPTIONING\_SERVICE, CARRIER\_CONFIG\_SERVICE, CLIPBOARD\_SERVICE,**

**CONNECTIVITY\_SERVICE, CONSUMER\_IR\_SERVICE, CONTEXT\_IGNORE\_SECURITY,**

**CONTEXT\_INCLUDE\_CODE, CONTEXT\_RESTRICTED, DEVICE\_POLICY\_SERVICE,**

**DISPLAY\_SERVICE, DOWNLOAD\_SERVICE, DROPBOX\_SERVICE,**

**FINGERPRINT\_SERVICE, HARDWARE\_PROPERTIES\_SERVICE,**

**INPUT\_METHOD\_SERVICE, INPUT\_SERVICE, JOB\_SCHEDULER\_SERVICE,**

**KEYGUARD\_SERVICE, LAUNCHER\_APPS\_SERVICE, LAYOUT\_INFLATER\_SERVICE,**

**LOCATION\_SERVICE, MEDIA\_PROJECTION\_SERVICE, MEDIA\_ROUTER\_SERVICE,**

**MEDIA\_SESSION\_SERVICE, MIDI\_SERVICE, MODE\_APPEND,**

**MODE\_ENABLE\_WRITE\_AHEAD\_LOGGING, MODE\_MULTI\_PROCESS,**

**MODE\_NO\_LOCALIZED\_COLLATORS, MODE\_PRIVATE, MODE\_WORLD\_READABLE,**

**MODE\_WORLD\_WRITEABLE, NETWORK\_STATS\_SERVICE, NFC\_SERVICE,**

**NOTIFICATION\_SERVICE, NSD\_SERVICE, POWER\_SERVICE, PRINT\_SERVICE,**

**RESTRICTIONS\_SERVICE, SEARCH\_SERVICE, SENSOR\_SERVICE,**

**SHORTCUT\_SERVICE, STORAGE\_SERVICE, SYSTEM\_HEALTH\_SERVICE,**

**TELECOM\_SERVICE, TELEPHONY\_SERVICE, TELEPHONY\_SUBSCRIPTION\_SERVICE,**

**TEXT\_SERVICES\_MANAGER\_SERVICE, TV\_INPUT\_SERVICE, UI\_MODE\_SERVICE,**

**USAGE\_STATS\_SERVICE, USB\_SERVICE, USER\_SERVICE, VIBRATOR\_SERVICE,**

**WALLPAPER\_SERVICE, WIFI\_P2P\_SERVICE, WIFI\_SERVICE, WINDOW\_SERVICE**

**à**

**Fields inherited from**

**interface android.content.ComponentCallbacks2**

**TRIM\_MEMORY\_BACKGROUND, TRIM\_MEMORY\_COMPLETE, TRIM\_MEMORY\_MODERATE,**

**TRIM\_MEMORY\_RUNNING\_CRITICAL, TRIM\_MEMORY\_RUNNING\_LOW,**

**TRIM\_MEMORY\_RUNNING\_MODERATE, TRIM\_MEMORY\_UI\_HIDDEN**

**¨**

**Constructor Summary**

**Constructor and Description**

[**LoginActivity**](#page46)**()**

**¨**

**Method Summary**

**Modifier and Type** **Met**

**41**

**private void**

**private void**

**private boolean**

**private boolean**

**private boolean**

**void**

**protected void**

**android.content.Loader<android.database.Cursor>**

**void**

**void**

**void**

**private void**

**void**

**private void**

**à**

[**addEmailsToAutoComplete**](#page83)**(java.util**

**Creates adapter to tell the AutoComplete**

[**attemptLogin**](#page82)**()**

**Attempts to sign in or register the accoun**

[**isEmailValid**](#page82)**(java.lang.String ema**

**Checks if the email is valid.**

[**isPasswordValid**](#page82)**(java.lang.String**

**Checks if the password is valid.**

[**mayRequestContacts**](#page82)**()**

**Requests the user's permission to access t**

[**onBackPressed**](#page118)**()**

**Prevents the user from using the back but**

[**onCreate**](#page222)**(android.os.Bundle savedI**

**Creates and inflates the layout of the activ**

[**onCreateLoader**](#page83)**(int i, android.os.**

**Creates and inflates the layout of the load**

[**onLoaderReset**](#page83)**(android.content.Loa**

**Handles if the loader is reset.**

[**onLoadFinished**](#page83)**(android.content.Lo android.database.Cursor cursor)**

**Handles if the loader is finished.**

[**onRequestPermissionsResult**](#page217)**(int re**

**int[] grantResults)**

**Callback received when a permissions req**

[**populateAutoComplete**](#page82)**()**

**Fills in the blanks if the permission for th**

[**startRegisterActivityView**](#page48)**(android**

**Starts the RegisterActivity**

[**userLogin**](#page48)**(java.lang.String email,**

**Logs the user in**

**Methods inherited from**

**class android.support.v7.app.AppCompatActivity**

**addContentView, dispatchKeyEvent, findViewById, getDelegate, getDrawerToggleDelegate, getMenuInflater, getResources, getSupportActionBar, getSupportParentActivityIntent, invalidateOptionsMenu, onConfigurationChanged, onContentChanged, onCreateSupportNavigateUpTaskStack, onDestroy, onMenuItemSelected, onMenuOpened, onPanelClosed, onPostCreate, onPostResume, onPrepareSupportNavigateUpTaskStack, onSaveInstanceState, onStart, onStop, onSupportActionModeFinished, onSupportActionModeStarted, onSupportContentChanged, onSupportNavigateUp, onTitleChanged, onWindowStartingSupportActionMode, setContentView, setContentView, setContentView, setSupportActionBar, setSupportProgress, setSupportProgressBarIndeterminate, setSupportProgressBarIndeterminateVisibility, setSupportProgressBarVisibility, setTheme, startSupportActionMode, supportInvalidateOptionsMenu, supportNavigateUpTo, supportRequestWindowFeature, supportShouldUpRecreateTask**

**42**

* **Methods inherited from**

**class android.support.v4.app.FragmentActivity**

**dump, getLastCustomNonConfigurationInstance, getSupportFragmentManager, getSupportLoaderManager, getSupportMediaController, onActivityResult, onAttachFragment, onCreatePanelMenu, onLowMemory, onMultiWindowModeChanged, onNewIntent, onPause, onPictureInPictureModeChanged, onPrepareOptionsPanel, onPreparePanel, onResume, onResumeFragments, onRetainCustomNonConfigurationInstance, onRetainNonConfigurationInstance, onStateNotSaved, setEnterSharedElementCallback, setExitSharedElementCallback, setSupportMediaController, startActivityForResult, startActivityFromFragment, startActivityFromFragment, startIntentSenderFromFragment, supportFinishAfterTransition, supportPostponeEnterTransition, supportStartPostponedEnterTransition, validateRequestPermissionsRequestCode**

**à**

**Methods inherited from**

**class android.support.v4.app.SupportActivity**

**getExtraData, putExtraData**

**à**

**Methods inherited from class android.app.Activity**

**closeContextMenu, closeOptionsMenu, createPendingResult, dismissDialog, dismissKeyboardShortcutsHelper, dispatchGenericMotionEvent, dispatchKeyShortcutEvent, dispatchPopulateAccessibilityEvent, dispatchTouchEvent, dispatchTrackballEvent, enterPictureInPictureMode, finish, finishActivity, finishActivityFromChild, finishAffinity, finishAfterTransition, finishAndRemoveTask, finishFromChild, getActionBar, getApplication, getCallingActivity, getCallingPackage, getChangingConfigurations, getComponentName, getContentScene, getContentTransitionManager, getCurrentFocus, getFragmentManager, getIntent, getLastNonConfigurationInstance, getLayoutInflater, getLoaderManager, getLocalClassName, getMediaController, getParent, getParentActivityIntent, getPreferences, getReferrer, getRequestedOrientation, getSearchEvent, getSystemService, getTaskId, getTitle, getTitleColor, getVoiceInteractor, getVolumeControlStream, getWindow, getWindowManager, hasWindowFocus, isChangingConfigurations, isChild, isDestroyed, isFinishing, isImmersive, isInMultiWindowMode, isInPictureInPictureMode, isLocalVoiceInteractionSupported, isTaskRoot, isVoiceInteraction, isVoiceInteractionRoot, managedQuery, moveTaskToBack, navigateUpTo, navigateUpToFromChild, onActionModeFinished, onActionModeStarted, onActivityReenter, onApplyThemeResource, onAttachedToWindow, onAttachFragment, onChildTitleChanged, onContextItemSelected, onContextMenuClosed, onCreate, onCreateContextMenu, onCreateDescription, onCreateDialog, onCreateDialog, onCreateNavigateUpTaskStack, onCreateOptionsMenu, onCreatePanelView, onCreateThumbnail, onDetachedFromWindow, onEnterAnimationComplete, onGenericMotionEvent, onKeyDown, onKeyLongPress, onKeyMultiple, onKeyShortcut, onKeyUp, onLocalVoiceInteractionStarted, onLocalVoiceInteractionStopped, onNavigateUp, onNavigateUpFromChild, onOptionsItemSelected, onOptionsMenuClosed, onPostCreate, onPrepareDialog, onPrepareDialog, onPrepareNavigateUpTaskStack, onPrepareOptionsMenu, onProvideAssistContent, onProvideAssistData, onProvideKeyboardShortcuts, onProvideReferrer, onRestart,**

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**onRestoreInstanceState, onRestoreInstanceState, onSaveInstanceState, onSearchRequested, onSearchRequested, onTouchEvent, onTrackballEvent, onTrimMemory, onUserInteraction, onUserLeaveHint, onVisibleBehindCanceled, onWindowAttributesChanged, onWindowFocusChanged, onWindowStartingActionMode, onWindowStartingActionMode, openContextMenu, openOptionsMenu, overridePendingTransition, postponeEnterTransition, recreate, registerForContextMenu, releaseInstance, removeDialog, reportFullyDrawn, requestDragAndDropPermissions, requestPermissions, requestShowKeyboardShortcuts, requestVisibleBehind, requestWindowFeature, runOnUiThread, setActionBar, setContentTransitionManager, setDefaultKeyMode, setEnterSharedElementCallback, setExitSharedElementCallback, setFeatureDrawable, setFeatureDrawableAlpha, setFeatureDrawableResource, setFeatureDrawableUri, setFinishOnTouchOutside, setImmersive, setIntent, setMediaController, setProgress, setProgressBarIndeterminate, setProgressBarIndeterminateVisibility, setProgressBarVisibility, setRequestedOrientation, setResult, setResult, setSecondaryProgress, setTaskDescription, setTitle, setTitle, setTitleColor, setVisible, setVolumeControlStream, setVrModeEnabled, shouldShowRequestPermissionRationale, shouldUpRecreateTask, showAssist, showDialog, showDialog, showLockTaskEscapeMessage, startActionMode, startActionMode, startActivities, startActivities, startActivity, startActivity, startActivityFromChild, startActivityFromChild, startActivityFromFragment, startActivityFromFragment, startActivityIfNeeded, startActivityIfNeeded, startIntentSender, startIntentSender, startIntentSenderFromChild, startIntentSenderFromChild, startLocalVoiceInteraction, startLockTask, startManagingCursor, startNextMatchingActivity, startNextMatchingActivity, startPostponedEnterTransition, startSearch, stopLocalVoiceInteraction, stopLockTask, stopManagingCursor, takeKeyEvents, triggerSearch, unregisterForContextMenu**

**à**

**Methods inherited from**

**class android.view.ContextThemeWrapper**

**applyOverrideConfiguration, attachBaseContext, getAssets, getTheme**

**à**

**Methods inherited from**

**class android.content.ContextWrapper**

**bindService, checkCallingOrSelfPermission, checkCallingOrSelfUriPermission, checkCallingPermission, checkCallingUriPermission, checkPermission, checkSelfPermission, checkUriPermission, checkUriPermission, clearWallpaper, createConfigurationContext, createDeviceProtectedStorageContext, createDisplayContext, createPackageContext, databaseList, deleteDatabase, deleteFile, deleteSharedPreferences, enforceCallingOrSelfPermission, enforceCallingOrSelfUriPermission, enforceCallingPermission, enforceCallingUriPermission, enforcePermission, enforceUriPermission, enforceUriPermission, fileList, getApplicationContext, getApplicationInfo, getBaseContext, getCacheDir, getClassLoader, getCodeCacheDir, getContentResolver, getDatabasePath, getDataDir, getDir, getExternalCacheDir, getExternalCacheDirs, getExternalFilesDir, getExternalFilesDirs, getExternalMediaDirs, getFilesDir, getFileStreamPath, getMainLooper, getNoBackupFilesDir, getObbDir, getObbDirs, getPackageCodePath, getPackageManager, getPackageName, getPackageResourcePath,**

**44**

**getSharedPreferences, getSystemServiceName, getWallpaper, getWallpaperDesiredMinimumHeight, getWallpaperDesiredMinimumWidth, grantUriPermission, isDeviceProtectedStorage, isRestricted, moveDatabaseFrom, moveSharedPreferencesFrom, openFileInput, openFileOutput, openOrCreateDatabase, openOrCreateDatabase, peekWallpaper, registerReceiver, registerReceiver, removeStickyBroadcast, removeStickyBroadcastAsUser, revokeUriPermission, sendBroadcast, sendBroadcast, sendBroadcastAsUser, sendBroadcastAsUser, sendOrderedBroadcast, sendOrderedBroadcast, sendOrderedBroadcastAsUser, sendStickyBroadcast, sendStickyBroadcastAsUser, sendStickyOrderedBroadcast, sendStickyOrderedBroadcastAsUser, setWallpaper, setWallpaper, startInstrumentation, startService, stopService, unbindService, unregisterReceiver**

**à**

**Methods inherited from class android.content.Context**

**getColor, getColorStateList, getDrawable, getString, getString, getSystemService, getText, obtainStyledAttributes, obtainStyledAttributes, obtainStyledAttributes, obtainStyledAttributes, registerComponentCallbacks, unregisterComponentCallbacks**

**à**

**Methods inherited from class java.lang.Object**

**clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait**

* **¨**

**Field Detail**

**à REQUEST\_READ\_CONTACTS**

**private static final int REQUEST\_READ\_CONTACTS**

**Id to identity READ\_CONTACTS permission request.**

**See Also:**

[**Constant Field Values**](#ultramirinc.champs_mood.LoginActivity.REQUEST_READ_CONTACTS)

**à firebaseAuth**

**private com.google.firebase.auth.FirebaseAuth firebaseAuth**

**Defining Firebase auth object**

**à progressDialog**

**private android.app.ProgressDialog progressDialog**

**Contains a ProgressDialog of the account that is logging in**

**à mEmailView**

**private android.widget.AutoCompleteTextView mEmailView**

**Contains a AutoCompleteTextView of the email of the account that is logging in**

**45**

**à mPasswordView**

**private android.widget.EditText mPasswordView**

**Contains a EditText of the password of the account that is logging in**

**à cancel**

**private boolean cancel**

**Contains a boolean value of cancellation for the account that is logging in**

**à focusView**

**private android.view.View focusView**

**Contains a View of the focus of the account that is logging in**

**à mLoginFormView**

**private android.view.View mLoginFormView**

**Contains a View of the login form of the account that is logging in**

**¨**

**Constructor Detail**

**à LoginActivity**

**public LoginActivity()**

**¨**

**Method Detail**

**à onCreate**

**protected void onCreate(android.os.Bundle savedInstanceState)**

**Creates and inflates the layout of the activity.**

**Overrides:**

**onCreate in class android.support.v7.app.AppCompatActivity**

**à populateAutoComplete**

**private void populateAutoComplete()**

**Fills in the blanks if the permission for the contacts is not granted.**

**à mayRequestContacts**

**private boolean mayRequestContacts()**

**Requests the user's permission to access the contacts.**

**à onRequestPermissionsResult**

**public void onRequestPermissionsResult(int requestCode, @NonNull**

**java.lang.String[] permissions, @NonNull**

**46**

**int[] grantResults)**

**Callback received when a permissions request has been completed.**

**Specified by:**

**onRequestPermissionsResult in**

**interface android.support.v4.app.ActivityCompat.OnRequestPermissionsRes**

**Overrides:**

**onRequestPermissionsResult in**

**class android.support.v4.app.FragmentActivity**

**à attemptLogin**

**private void attemptLogin()**

**Attempts to sign in or register the account specified by the login form. If there are form errors (invalid email, missing fields, etc.), the errors are presented and no actual login attempt is made.**

**à isEmailValid**

**private boolean isEmailValid(java.lang.String email)**

**Checks if the email is valid.**

**à isPasswordValid**

**private boolean isPasswordValid(java.lang.String password)**

**Checks if the password is valid.**

**à onCreateLoader**

**public android.content.Loader<android.database.Cursor> onCreateLoader(int i andro**

**Creates and inflates the layout of the loader.**

**Specified by:**

**onCreateLoader in**

**interface android.app.LoaderManager.LoaderCallbacks<android.database.Cu**

**à onLoadFinished**

**public void onLoadFinished(android.content.Loader<android.database.Cursor> android.database.Cursor cursor)**

**Handles if the loader is finished.**

**Specified by:**

**onLoadFinished in**

**interface android.app.LoaderManager.LoaderCallbacks<android.database.Cu**

**à onLoaderReset**

**public void onLoaderReset(android.content.Loader<android.database.Cursor> c**

**Handles if the loader is reset.**

**Specified by:**

**onLoaderReset in**

**interface android.app.LoaderManager.LoaderCallbacks<android.database.Cu**

**47**

**à addEmailsToAutoComplete**

**private void addEmailsToAutoComplete(java.util.List<java.lang.String> email**

**Creates adapter to tell the AutoCompleteTextView what to show in its dropdown list.**

**à userLogin**

**private void userLogin(java.lang.String email, java.lang.String password)**

**Logs the user in**

**à startRegisterActivityView**

**public void startRegisterActivityView(android.view.View view)**

**Starts the RegisterActivity**

**à onBackPressed**

**public void onBackPressed()**

**Prevents the user from using the back button**

**Overrides:**

**onBackPressed in class android.support.v4.app.FragmentActivity**

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**ultramirinc.champs\_mood**

**Class MyAdapterSchedule**

* **java.lang.Object**
* **¨ android.support.v7.widget.RecyclerView.Adapter<**[**MyViewHolderSchedule**](#page53)**> ¨ à ultramirinc.champs\_mood.MyAdapterSchedule**

**·**

**public class**

**extends android.support.v7.widget.RecyclerView.Adapter<**[**MyViewHolderSchedule**](#page53)**>**

**Created by William on 2017-04-13. This class makes the transition between the raw data and a visual interpretation for the user's breaks**

* **¨**

**Field Summary**

**Modifier and Type** **Field and Description**

**49**

[**list**](#page185)

**(package private) java.util.List<**[**Break**](#page120)**> Contains the list of the schedule's breaks**

**¨**

**Constructor Summary**

**Constructor and Description**

[**MyAdapterSchedule**](#page51)**()**

[**MyAdapterSchedule**](#page51)**(java.util.List<**[**Break**](#page120)**> list)**

**¨**

**Method Summary**

|  |  |  |
| --- | --- | --- |
| **Modifier and Type** | **Method and Description** |  |
| **private void** | [**deleteBreakFromDb**](#page51)**(**[**Break**](#page120) **breakToDelete)** |  |
| **Deletes a break.** |  |
|  |  |
| **int** | [**getItemCount**](#page186)**()** |  |
| **Returns the size of the list.** |  |
|  |  |
|  | [**onBindViewHolder**](#page51)**(**[**MyViewHolderSchedule**](#page53) **myViewHolderSchedule,** |  |
| **void** | **int position)** |  |
|  | **Binds the information from a given break with the ViewHolder.** |  |

[**onCreateViewHolder**](#page185)**(android.view.ViewGroup viewGroup,** [**MyViewHolderSchedule**](#page53) **int itemType)**

**Creates a Visual interpretation using a custom ViewHolder.**

**à**

**Methods inherited from**

**class android.support.v7.widget.RecyclerView.Adapter**

**bindViewHolder, createViewHolder, getItemId, getItemViewType, hasObservers, hasStableIds, notifyDataSetChanged, notifyItemChanged, notifyItemChanged, notifyItemInserted, notifyItemMoved, notifyItemRangeChanged, notifyItemRangeChanged, notifyItemRangeInserted, notifyItemRangeRemoved, notifyItemRemoved, onAttachedToRecyclerView, onBindViewHolder, onDetachedFromRecyclerView, onFailedToRecycleView, onViewAttachedToWindow, onViewDetachedFromWindow, onViewRecycled, registerAdapterDataObserver, setHasStableIds, unregisterAdapterDataObserver**

**à**

**Methods inherited from class java.lang.Object**

**clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait**

* **¨**

**Field Detail**

**50**

**à list**

**java.util.List<**[**Break**](#page120)**> list**

**Contains the list of the schedule's breaks**

**¨**

**Constructor Detail**

**à MyAdapterSchedule**

**public MyAdapterSchedule(java.util.List<**[**Break**](#page120)**> list)**

**à MyAdapterSchedule**

**public MyAdapterSchedule()**

**¨**

**Method Detail**

**à onCreateViewHolder**

**public** [**MyViewHolderSchedule**](#page53) **onCreateViewHolder(android.view.ViewGroup viewG int itemType)**

**Creates a Visual interpretation using a custom ViewHolder.**

**Specified by:**

**onCreateViewHolder in**

**class android.support.v7.widget.RecyclerView.Adapter<**[**MyViewHolderSched**](#page53)

**à onBindViewHolder**

**public void onBindViewHolder(**[**MyViewHolderSchedule**](#page53) **myViewHolderSchedule, int position)**

**Binds the information from a given break with the ViewHolder.**

**Specified by:**

**onBindViewHolder in**

**class android.support.v7.widget.RecyclerView.Adapter<**[**MyViewHolderSched**](#page53)

**à deleteBreakFromDb**

**private void deleteBreakFromDb(**[**Break**](#page120) **breakToDelete)**

**Deletes a break.**

**à getItemCount**

**public int getItemCount()**

**Returns the size of the list.**

**Specified by:**

**getItemCount in**

**class android.support.v7.widget.RecyclerView.Adapter<**[**MyViewHolderSched**](#page53)

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**51**

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**ultramirinc.champs\_mood**

**Class MyViewHolderSchedule**

* **java.lang.Object**
* **¨ android.support.v7.widget.RecyclerView.ViewHolder**

**¨à ultramirinc.champs\_mood.MyViewHolderSchedule**

**·**

**public class**

**extends android.support.v7.widget.RecyclerView.ViewHolder**

**Created by William on 2017-04-13. Transforms raw Data into a visual interpretation for the user.**

* **¨**

**Field Summary**

**Modifier and Type** **Field and Description**

**private android.widget.TextView** [**dayView**](#page55)

**53**

**Contains the TextView of the break's day**

[**delete**](#page55)

**private android.widget.Button**

**Contains the Button of the break's delete button**

[**fromTimeView**](#page55)

**private android.widget.TextView Contains the TextView of the break's begin time**

[**toTimeView**](#page55)

**private android.widget.TextView Contains the TextView of the break's end time**

**à**

**Fields inherited from**

**class android.support.v7.widget.RecyclerView.ViewHolder**

**itemView**

**¨**

**Constructor Summary**

**Constructor and Description**

[**MyViewHolderSchedule**](#page55)**(android.view.View itemView)**

**¨**

**Method Summary**

**Modifier and Type** **Method and Description**

[**bind**](#page55)**(**[**Break**](#page120) **myBreak)**

**void** **Binds the break's day, begin time and end time to their respective**

**TextView variables.**

[**getDayView**](#page56)**()**

**android.widget.TextView Getter for dayView.**

[**getDelete**](#page55)**()**

**android.widget.Button**

**Getter for delete.**

[**getFromTimeView**](#page56)**()**

**android.widget.TextView Getter for fromTimeView.**

[**getToTimeView**](#page56)**()**

**android.widget.TextView Getter for toTimeView.**

[**setDayView**](#page56)**(android.widget.TextView dayView)**

**void**

**Setter for dayView.**

[**setDelete**](#page56)**(android.widget.Button delete)**

**void**

**Setter for delete.**

[**setFromTimeView**](#page56)**(android.widget.TextView fromTimeView)**

**void**

**Setter for fromTimeView.**

[**setToTimeView**](#page56)**(android.widget.TextView toTimeView)**

**void**

**Setter for toTimeView.**

**à**

**Methods inherited from**

**class android.support.v7.widget.RecyclerView.ViewHolder**

**54**

**getAdapterPosition, getItemId, getItemViewType, getLayoutPosition, getOldPosition, getPosition, isRecyclable, setIsRecyclable, toString**

**à**

**Methods inherited from class java.lang.Object**

**clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait**

* **¨**

**Field Detail**

**à delete**

**private android.widget.Button delete**

**Contains the Button of the break's delete button**

**à dayView**

**private android.widget.TextView dayView**

**Contains the TextView of the break's day**

**à fromTimeView**

**private android.widget.TextView fromTimeView**

**Contains the TextView of the break's begin time**

**à toTimeView**

**private android.widget.TextView toTimeView**

**Contains the TextView of the break's end time**

**¨**

**Constructor Detail**

**à MyViewHolderSchedule**

**public MyViewHolderSchedule(android.view.View itemView)**

**¨**

**Method Detail**

**à bind**

**public void bind(**[**Break**](#page120) **myBreak)**

**Binds the break's day, begin time and end time to their respective TextView variables.**

**55**

**à getDelete**

**public android.widget.Button getDelete()**

**Getter for delete.**

**à setDelete**

**public void setDelete(android.widget.Button delete)**

**Setter for delete.**

**à getDayView**

**public android.widget.TextView getDayView()**

**Getter for dayView.**

**à setDayView**

**public void setDayView(android.widget.TextView dayView)**

**Setter for dayView.**

**à getFromTimeView**

**public android.widget.TextView getFromTimeView()**

**Getter for fromTimeView.**

**à setFromTimeView**

**public void setFromTimeView(android.widget.TextView fromTimeView)**

**Setter for fromTimeView.**

**à getToTimeView**

**public android.widget.TextView getToTimeView()**

**Getter for toTimeView.**

**à setToTimeView**

**public void setToTimeView(android.widget.TextView toTimeView)**

**Setter for toTimeView.**

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**ultramirinc.champs\_mood**

**Class MyViewPager**

* **java.lang.Object**
* **¨ android.view.View**
  + **à android.view.ViewGroup**

**à× android.support.v4.view.ViewPager**

**×· ultramirinc.champs\_mood.MyViewPager**

* **All Implemented Interfaces: android.graphics.drawable.Drawable.Callback,**

**android.view.accessibility.AccessibilityEventSource, android.view.KeyEvent.Callback, android.view.ViewManager, android.view.ViewParent**

**public class**

**extends android.support.v4.view.ViewPager**

**Created by William on 2017-04-27. This class is a custom ViewPager in order to remove the swiping behavior.**

**58**

**¨ Nested Class Summary**

**à**

**Nested classes/interfaces inherited from class android.support.v4.view.ViewPager**

**android.support.v4.view.ViewPager.DecorView,**

**android.support.v4.view.ViewPager.LayoutParams,**

**android.support.v4.view.ViewPager.OnAdapterChangeListener,**

**android.support.v4.view.ViewPager.OnPageChangeListener,**

**android.support.v4.view.ViewPager.PageTransformer,**

**android.support.v4.view.ViewPager.SavedState,**

**android.support.v4.view.ViewPager.SimpleOnPageChangeListener**

**à**

**Nested classes/interfaces inherited from class android.view.ViewGroup**

**android.view.ViewGroup.MarginLayoutParams,**

**android.view.ViewGroup.OnHierarchyChangeListener**

**à**

**Nested classes/interfaces inherited from class android.view.View**

**android.view.View.AccessibilityDelegate,**

**android.view.View.BaseSavedState, android.view.View.DragShadowBuilder, android.view.View.MeasureSpec, android.view.View.OnApplyWindowInsetsListener, android.view.View.OnAttachStateChangeListener, android.view.View.OnClickListener, android.view.View.OnContextClickListener, android.view.View.OnCreateContextMenuListener, android.view.View.OnDragListener, android.view.View.OnFocusChangeListener, android.view.View.OnGenericMotionListener, android.view.View.OnHoverListener, android.view.View.OnKeyListener, android.view.View.OnLayoutChangeListener, android.view.View.OnLongClickListener, android.view.View.OnScrollChangeListener, android.view.View.OnSystemUiVisibilityChangeListener, android.view.View.OnTouchListener**

**¨**

**Field Summary**

**Modifier and Type**

**Field and**

**Description**

[**enabled**](#page65)

**private boolean** **Is the behavior**

**enabled**

**à**

**Fields inherited from**

**class android.support.v4.view.ViewPager**

**SCROLL\_STATE\_DRAGGING, SCROLL\_STATE\_IDLE, SCROLL\_STATE\_SETTLING**

**59**

**à Fields inherited from class android.view.ViewGroup**

**CLIP\_TO\_PADDING\_MASK, FOCUS\_AFTER\_DESCENDANTS,**

**FOCUS\_BEFORE\_DESCENDANTS, FOCUS\_BLOCK\_DESCENDANTS,**

**LAYOUT\_MODE\_CLIP\_BOUNDS, LAYOUT\_MODE\_OPTICAL\_BOUNDS,**

**PERSISTENT\_ALL\_CACHES, PERSISTENT\_ANIMATION\_CACHE,**

**PERSISTENT\_NO\_CACHE, PERSISTENT\_SCROLLING\_CACHE**

**à**

**Fields inherited from class android.view.View**

**ACCESSIBILITY\_LIVE\_REGION\_ASSERTIVE, ACCESSIBILITY\_LIVE\_REGION\_NONE,**

**ACCESSIBILITY\_LIVE\_REGION\_POLITE, ALPHA, DRAG\_FLAG\_GLOBAL,**

**DRAG\_FLAG\_GLOBAL\_PERSISTABLE\_URI\_PERMISSION,**

**DRAG\_FLAG\_GLOBAL\_PREFIX\_URI\_PERMISSION, DRAG\_FLAG\_GLOBAL\_URI\_READ,**

**DRAG\_FLAG\_GLOBAL\_URI\_WRITE, DRAG\_FLAG\_OPAQUE,**

**DRAWING\_CACHE\_QUALITY\_AUTO, DRAWING\_CACHE\_QUALITY\_HIGH,**

**DRAWING\_CACHE\_QUALITY\_LOW, EMPTY\_STATE\_SET,**

**ENABLED\_FOCUSED\_SELECTED\_STATE\_SET,**

**ENABLED\_FOCUSED\_SELECTED\_WINDOW\_FOCUSED\_STATE\_SET,**

**ENABLED\_FOCUSED\_STATE\_SET, ENABLED\_FOCUSED\_WINDOW\_FOCUSED\_STATE\_SET,**

**ENABLED\_SELECTED\_STATE\_SET,**

**ENABLED\_SELECTED\_WINDOW\_FOCUSED\_STATE\_SET, ENABLED\_STATE\_SET,**

**ENABLED\_WINDOW\_FOCUSED\_STATE\_SET,**

**FIND\_VIEWS\_WITH\_CONTENT\_DESCRIPTION, FIND\_VIEWS\_WITH\_TEXT,**

**FOCUS\_BACKWARD, FOCUS\_DOWN, FOCUS\_FORWARD, FOCUS\_LEFT, FOCUS\_RIGHT,**

**FOCUS\_UP, FOCUSABLES\_ALL, FOCUSABLES\_TOUCH\_MODE,**

**FOCUSED\_SELECTED\_STATE\_SET,**

**FOCUSED\_SELECTED\_WINDOW\_FOCUSED\_STATE\_SET, FOCUSED\_STATE\_SET,**

**FOCUSED\_WINDOW\_FOCUSED\_STATE\_SET, GONE, HAPTIC\_FEEDBACK\_ENABLED,**

**IMPORTANT\_FOR\_ACCESSIBILITY\_AUTO, IMPORTANT\_FOR\_ACCESSIBILITY\_NO,**

**IMPORTANT\_FOR\_ACCESSIBILITY\_NO\_HIDE\_DESCENDANTS,**

**IMPORTANT\_FOR\_ACCESSIBILITY\_YES, INVISIBLE, KEEP\_SCREEN\_ON,**

**LAYER\_TYPE\_HARDWARE, LAYER\_TYPE\_NONE, LAYER\_TYPE\_SOFTWARE,**

**LAYOUT\_DIRECTION\_INHERIT, LAYOUT\_DIRECTION\_LOCALE,**

**LAYOUT\_DIRECTION\_LTR, LAYOUT\_DIRECTION\_RTL,**

**MEASURED\_HEIGHT\_STATE\_SHIFT, MEASURED\_SIZE\_MASK,**

**MEASURED\_STATE\_MASK, MEASURED\_STATE\_TOO\_SMALL, NO\_ID,**

**OVER\_SCROLL\_ALWAYS, OVER\_SCROLL\_IF\_CONTENT\_SCROLLS,**

**OVER\_SCROLL\_NEVER, PRESSED\_ENABLED\_FOCUSED\_SELECTED\_STATE\_SET,**

**PRESSED\_ENABLED\_FOCUSED\_SELECTED\_WINDOW\_FOCUSED\_STATE\_SET,**

**PRESSED\_ENABLED\_FOCUSED\_STATE\_SET,**

**PRESSED\_ENABLED\_FOCUSED\_WINDOW\_FOCUSED\_STATE\_SET,**

**PRESSED\_ENABLED\_SELECTED\_STATE\_SET,**

**PRESSED\_ENABLED\_SELECTED\_WINDOW\_FOCUSED\_STATE\_SET,**

**PRESSED\_ENABLED\_STATE\_SET, PRESSED\_ENABLED\_WINDOW\_FOCUSED\_STATE\_SET,**

**PRESSED\_FOCUSED\_SELECTED\_STATE\_SET,**

**PRESSED\_FOCUSED\_SELECTED\_WINDOW\_FOCUSED\_STATE\_SET,**

**PRESSED\_FOCUSED\_STATE\_SET, PRESSED\_FOCUSED\_WINDOW\_FOCUSED\_STATE\_SET,**

**PRESSED\_SELECTED\_STATE\_SET,**

**PRESSED\_SELECTED\_WINDOW\_FOCUSED\_STATE\_SET, PRESSED\_STATE\_SET,**

**PRESSED\_WINDOW\_FOCUSED\_STATE\_SET, ROTATION, ROTATION\_X, ROTATION\_Y, SCALE\_X, SCALE\_Y, SCREEN\_STATE\_OFF, SCREEN\_STATE\_ON,**

**SCROLL\_AXIS\_HORIZONTAL, SCROLL\_AXIS\_NONE, SCROLL\_AXIS\_VERTICAL,**

**SCROLL\_INDICATOR\_BOTTOM, SCROLL\_INDICATOR\_END,**

**SCROLL\_INDICATOR\_LEFT, SCROLL\_INDICATOR\_RIGHT,**

**SCROLL\_INDICATOR\_START, SCROLL\_INDICATOR\_TOP,**

**SCROLLBAR\_POSITION\_DEFAULT, SCROLLBAR\_POSITION\_LEFT,**

**SCROLLBAR\_POSITION\_RIGHT, SCROLLBARS\_INSIDE\_INSET,**

**SCROLLBARS\_INSIDE\_OVERLAY, SCROLLBARS\_OUTSIDE\_INSET,**

**SCROLLBARS\_OUTSIDE\_OVERLAY, SELECTED\_STATE\_SET,**

**SELECTED\_WINDOW\_FOCUSED\_STATE\_SET, SOUND\_EFFECTS\_ENABLED,**

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**STATUS\_BAR\_HIDDEN, STATUS\_BAR\_VISIBLE, SYSTEM\_UI\_FLAG\_FULLSCREEN,**

**SYSTEM\_UI\_FLAG\_HIDE\_NAVIGATION, SYSTEM\_UI\_FLAG\_IMMERSIVE,**

**SYSTEM\_UI\_FLAG\_IMMERSIVE\_STICKY, SYSTEM\_UI\_FLAG\_LAYOUT\_FULLSCREEN,**

**SYSTEM\_UI\_FLAG\_LAYOUT\_HIDE\_NAVIGATION, SYSTEM\_UI\_FLAG\_LAYOUT\_STABLE,**

**SYSTEM\_UI\_FLAG\_LIGHT\_STATUS\_BAR, SYSTEM\_UI\_FLAG\_LOW\_PROFILE,**

**SYSTEM\_UI\_FLAG\_VISIBLE, SYSTEM\_UI\_LAYOUT\_FLAGS,**

**TEXT\_ALIGNMENT\_CENTER, TEXT\_ALIGNMENT\_GRAVITY,**

**TEXT\_ALIGNMENT\_INHERIT, TEXT\_ALIGNMENT\_TEXT\_END,**

**TEXT\_ALIGNMENT\_TEXT\_START, TEXT\_ALIGNMENT\_VIEW\_END,**

**TEXT\_ALIGNMENT\_VIEW\_START, TEXT\_DIRECTION\_ANY\_RTL,**

**TEXT\_DIRECTION\_FIRST\_STRONG, TEXT\_DIRECTION\_FIRST\_STRONG\_LTR,**

**TEXT\_DIRECTION\_FIRST\_STRONG\_RTL, TEXT\_DIRECTION\_INHERIT,**

**TEXT\_DIRECTION\_LOCALE, TEXT\_DIRECTION\_LTR, TEXT\_DIRECTION\_RTL,**

**TRANSLATION\_X, TRANSLATION\_Y, TRANSLATION\_Z, VIEW\_LOG\_TAG, VISIBLE, WINDOW\_FOCUSED\_STATE\_SET, X, Y, Z**

**¨**

**Constructor Summary**

**Constructor and Description**

[**MyViewPager**](#page66)**(android.content.Context context,**

**android.util.AttributeSet attrs)**

**¨**

**Method Summary**

**Modifier and Type** **Method and Description**

[**isPagingEnabled**](#page66)**()**

**boolean**

**Getter for enabled**

[**onInterceptTouchEvent**](#page66)**(android.view.MotionEvent event)**

**boolean**

**Handles what happens when touch event is intercepted**

[**onTouchEvent**](#page66)**(android.view.MotionEvent event)**

**boolean**

**Handles what happens when the ViewPager is touched**

[**setPagingEnabled**](#page66)**(boolean enabled)**

**void**

**Setter for enabled**

**à**

**Methods inherited from**

**class android.support.v4.view.ViewPager**

**addFocusables, addOnAdapterChangeListener, addOnPageChangeListener, addTouchables, addView, arrowScroll, beginFakeDrag, canScroll, canScrollHorizontally, checkLayoutParams, clearOnPageChangeListeners, computeScroll, dispatchKeyEvent, dispatchPopulateAccessibilityEvent, draw, drawableStateChanged, endFakeDrag, executeKeyEvent, fakeDragBy, generateDefaultLayoutParams, generateLayoutParams, generateLayoutParams, getAdapter, getChildDrawingOrder, getCurrentItem, getOffscreenPageLimit, getPageMargin, isFakeDragging, onAttachedToWindow, onDetachedFromWindow, onDraw, onLayout, onMeasure, onPageScrolled, onRequestFocusInDescendants, onRestoreInstanceState, onSaveInstanceState, onSizeChanged, removeOnAdapterChangeListener, removeOnPageChangeListener, removeView, setAdapter, setCurrentItem, setCurrentItem, setOffscreenPageLimit, setOnPageChangeListener, setPageMargin, setPageMarginDrawable, setPageMarginDrawable, setPageTransformer,**

**61**

**setPageTransformer, verifyDrawable**

**à**

**Methods inherited from class android.view.ViewGroup**

**addChildrenForAccessibility, addStatesFromChildren, addView, addView, addView, addView, addViewInLayout, addViewInLayout, attachLayoutAnimationParameters, attachViewToParent, bringChildToFront, canAnimate, childDrawableStateChanged, childHasTransientStateChanged, cleanupLayoutState, clearChildFocus, clearDisappearingChildren, clearFocus, debug, detachAllViewsFromParent, detachViewFromParent, detachViewFromParent, detachViewsFromParent, dispatchApplyWindowInsets, dispatchConfigurationChanged, dispatchDisplayHint, dispatchDragEvent, dispatchDraw, dispatchDrawableHotspotChanged, dispatchFreezeSelfOnly, dispatchGenericFocusedEvent, dispatchGenericPointerEvent, dispatchHoverEvent, dispatchKeyEventPreIme, dispatchKeyShortcutEvent, dispatchProvideStructure, dispatchRestoreInstanceState, dispatchSaveInstanceState, dispatchSetActivated, dispatchSetPressed, dispatchSetSelected, dispatchSystemUiVisibilityChanged, dispatchThawSelfOnly, dispatchTouchEvent, dispatchTrackballEvent, dispatchUnhandledMove, dispatchVisibilityChanged, dispatchWindowFocusChanged, dispatchWindowSystemUiVisiblityChanged, dispatchWindowVisibilityChanged, drawChild, endViewTransition, findFocus, findViewsWithText, focusableViewAvailable, focusSearch, gatherTransparentRegion, getAccessibilityClassName, getChildAt, getChildCount, getChildMeasureSpec, getChildStaticTransformation, getChildVisibleRect, getClipChildren, getClipToPadding, getDescendantFocusability, getFocusedChild, getLayoutAnimation, getLayoutAnimationListener, getLayoutMode, getLayoutTransition, getNestedScrollAxes, getOverlay, getPersistentDrawingCache, getTouchscreenBlocksFocus, hasFocus, hasFocusable, hasTransientState, indexOfChild, invalidateChild, invalidateChildInParent, isAlwaysDrawnWithCacheEnabled, isAnimationCacheEnabled, isChildrenDrawingOrderEnabled, isChildrenDrawnWithCacheEnabled, isMotionEventSplittingEnabled, isTransitionGroup, jumpDrawablesToCurrentState, layout, measureChild, measureChildren, measureChildWithMargins, notifySubtreeAccessibilityStateChanged, offsetDescendantRectToMyCoords, offsetRectIntoDescendantCoords, onCreateDrawableState, onInterceptHoverEvent, onNestedFling, onNestedPreFling, onNestedPrePerformAccessibilityAction, onNestedPreScroll, onNestedScroll, onNestedScrollAccepted, onRequestSendAccessibilityEvent, onResolvePointerIcon, onStartNestedScroll, onStopNestedScroll, onViewAdded, onViewRemoved, recomputeViewAttributes, removeAllViews, removeAllViewsInLayout, removeDetachedView, removeViewAt, removeViewInLayout, removeViews, removeViewsInLayout, requestChildFocus, requestChildRectangleOnScreen, requestDisallowInterceptTouchEvent, requestFocus, requestSendAccessibilityEvent, requestTransparentRegion, scheduleLayoutAnimation, setAddStatesFromChildren, setAlwaysDrawnWithCacheEnabled, setAnimationCacheEnabled, setChildrenDrawingCacheEnabled, setChildrenDrawingOrderEnabled, setChildrenDrawnWithCacheEnabled, setClipChildren, setClipToPadding, setDescendantFocusability, setLayoutAnimation, setLayoutAnimationListener, setLayoutMode, setLayoutTransition, setMotionEventSplittingEnabled, setOnHierarchyChangeListener, setPersistentDrawingCache, setStaticTransformationsEnabled, setTouchscreenBlocksFocus, setTransitionGroup, shouldDelayChildPressedState, showContextMenuForChild, showContextMenuForChild,**

**62**

**startActionModeForChild, startActionModeForChild, startLayoutAnimation, startViewTransition, updateViewLayout**

**à**

**Methods inherited from class android.view.View**

**addFocusables, addOnAttachStateChangeListener, addOnLayoutChangeListener, animate, announceForAccessibility, awakenScrollBars, awakenScrollBars, awakenScrollBars, bringToFront, buildDrawingCache, buildDrawingCache, buildLayer, callOnClick, cancelDragAndDrop, cancelLongPress, cancelPendingInputEvents, canResolveLayoutDirection, canResolveTextAlignment, canResolveTextDirection, canScrollVertically, checkInputConnectionProxy, clearAnimation, combineMeasuredStates, computeHorizontalScrollExtent, computeHorizontalScrollOffset, computeHorizontalScrollRange, computeSystemWindowInsets, computeVerticalScrollExtent, computeVerticalScrollOffset, computeVerticalScrollRange, createAccessibilityNodeInfo, createContextMenu, destroyDrawingCache, dispatchFinishTemporaryDetach, dispatchGenericMotionEvent, dispatchNestedFling, dispatchNestedPreFling, dispatchNestedPrePerformAccessibilityAction, dispatchNestedPreScroll, dispatchNestedScroll, dispatchStartTemporaryDetach, drawableHotspotChanged, findViewById, findViewWithTag, fitSystemWindows, focusSearch, forceHasOverlappingRendering, forceLayout, generateViewId, getAccessibilityLiveRegion, getAccessibilityNodeProvider, getAccessibilityTraversalAfter, getAccessibilityTraversalBefore, getAlpha, getAnimation, getApplicationWindowToken, getBackground, getBackgroundTintList, getBackgroundTintMode, getBaseline, getBottom, getBottomFadingEdgeStrength, getBottomPaddingOffset, getCameraDistance, getClipBounds, getClipBounds, getClipToOutline, getContentDescription, getContext, getContextMenuInfo, getDefaultSize, getDisplay, getDrawableState, getDrawingCache, getDrawingCache, getDrawingCacheBackgroundColor, getDrawingCacheQuality, getDrawingRect, getDrawingTime, getElevation, getFilterTouchesWhenObscured, getFitsSystemWindows, getFocusables, getFocusedRect, getForeground, getForegroundGravity, getForegroundTintList, getForegroundTintMode, getGlobalVisibleRect, getGlobalVisibleRect, getHandler, getHasOverlappingRendering, getHeight, getHitRect, getHorizontalFadingEdgeLength, getHorizontalScrollbarHeight, getId, getImportantForAccessibility, getKeepScreenOn, getKeyDispatcherState, getLabelFor, getLayerType, getLayoutDirection, getLayoutParams, getLeft, getLeftFadingEdgeStrength, getLeftPaddingOffset, getLocalVisibleRect, getLocationInWindow, getLocationOnScreen, getMatrix, getMeasuredHeight, getMeasuredHeightAndState, getMeasuredState, getMeasuredWidth, getMeasuredWidthAndState, getMinimumHeight, getMinimumWidth, getNextFocusDownId, getNextFocusForwardId, getNextFocusLeftId, getNextFocusRightId, getNextFocusUpId, getOnFocusChangeListener, getOutlineProvider, getOverScrollMode, getPaddingBottom, getPaddingEnd, getPaddingLeft, getPaddingRight, getPaddingStart, getPaddingTop, getParent, getParentForAccessibility, getPivotX, getPivotY, getPointerIcon, getResources, getRevealOnFocusHint, getRight, getRightFadingEdgeStrength, getRightPaddingOffset, getRootView, getRootWindowInsets, getRotation, getRotationX, getRotationY, getScaleX, getScaleY, getScrollBarDefaultDelayBeforeFade, getScrollBarFadeDuration, getScrollBarSize, getScrollBarStyle, getScrollIndicators, getScrollX, getScrollY, getSolidColor, getStateListAnimator, getSuggestedMinimumHeight, getSuggestedMinimumWidth, getSystemUiVisibility, getTag, getTag, getTextAlignment, getTextDirection, getTop,**

**63**

**getTopFadingEdgeStrength, getTopPaddingOffset, getTouchables, getTouchDelegate, getTransitionName, getTranslationX, getTranslationY, getTranslationZ, getVerticalFadingEdgeLength, getVerticalScrollbarPosition, getVerticalScrollbarWidth, getViewTreeObserver, getVisibility, getWidth, getWindowAttachCount, getWindowId, getWindowSystemUiVisibility, getWindowToken, getWindowVisibility, getWindowVisibleDisplayFrame, getX, getY, getZ, hasNestedScrollingParent, hasOnClickListeners, hasOverlappingRendering, hasWindowFocus, inflate, invalidate, invalidate, invalidate, invalidateDrawable, invalidateOutline, isAccessibilityFocused, isActivated, isAttachedToWindow, isClickable, isContextClickable, isDirty, isDrawingCacheEnabled, isDuplicateParentStateEnabled, isEnabled, isFocusable, isFocusableInTouchMode, isFocused, isHapticFeedbackEnabled, isHardwareAccelerated, isHorizontalFadingEdgeEnabled, isHorizontalScrollBarEnabled, isHovered, isImportantForAccessibility, isInEditMode, isInLayout, isInTouchMode, isLaidOut, isLayoutDirectionResolved, isLayoutRequested, isLongClickable, isNestedScrollingEnabled, isOpaque, isPaddingOffsetRequired, isPaddingRelative, isPressed, isSaveEnabled, isSaveFromParentEnabled, isScrollbarFadingEnabled, isScrollContainer, isSelected, isShown, isSoundEffectsEnabled, isTemporarilyDetached, isTextAlignmentResolved, isTextDirectionResolved, isVerticalFadingEdgeEnabled, isVerticalScrollBarEnabled, measure, mergeDrawableStates, offsetLeftAndRight, offsetTopAndBottom, onAnimationEnd, onAnimationStart, onApplyWindowInsets, onCancelPendingInputEvents, onCheckIsTextEditor, onConfigurationChanged, onCreateContextMenu, onCreateInputConnection, onDisplayHint, onDragEvent, onDrawForeground, onDrawScrollBars, onFilterTouchEventForSecurity, onFinishInflate, onFinishTemporaryDetach, onFocusChanged, onGenericMotionEvent, onHoverChanged, onHoverEvent, onInitializeAccessibilityEvent, onInitializeAccessibilityNodeInfo, onKeyDown, onKeyLongPress, onKeyMultiple, onKeyPreIme, onKeyShortcut, onKeyUp, onOverScrolled, onPopulateAccessibilityEvent, onProvideStructure, onProvideVirtualStructure, onRtlPropertiesChanged, onScreenStateChanged, onScrollChanged, onSetAlpha, onStartTemporaryDetach, onTrackballEvent, onVisibilityAggregated, onVisibilityChanged, onWindowFocusChanged, onWindowSystemUiVisibilityChanged, onWindowVisibilityChanged, overScrollBy, performAccessibilityAction, performClick, performContextClick, performContextClick, performHapticFeedback, performHapticFeedback, performLongClick, performLongClick, playSoundEffect, post, postDelayed, postInvalidate, postInvalidate, postInvalidateDelayed, postInvalidateDelayed, postInvalidateOnAnimation, postInvalidateOnAnimation, postOnAnimation, postOnAnimationDelayed, refreshDrawableState, removeCallbacks, removeOnAttachStateChangeListener, removeOnLayoutChangeListener, requestApplyInsets, requestFitSystemWindows, requestFocus, requestFocus, requestFocusFromTouch, requestLayout, requestRectangleOnScreen, requestRectangleOnScreen, requestUnbufferedDispatch, resolveSize, resolveSizeAndState, restoreHierarchyState, saveHierarchyState, scheduleDrawable, scrollBy, scrollTo, sendAccessibilityEvent, sendAccessibilityEventUnchecked, setAccessibilityDelegate, setAccessibilityLiveRegion, setAccessibilityTraversalAfter, setAccessibilityTraversalBefore, setActivated, setAlpha, setAnimation, setBackground, setBackgroundColor, setBackgroundDrawable, setBackgroundResource, setBackgroundTintList, setBackgroundTintMode, setBottom, setCameraDistance, setClickable, setClipBounds, setClipToOutline, setContentDescription, setContextClickable, setDrawingCacheBackgroundColor,**

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* **setDrawingCacheEnabled, setDrawingCacheQuality, setDuplicateParentStateEnabled, setElevation, setEnabled, setFadingEdgeLength, setFilterTouchesWhenObscured, setFitsSystemWindows, setFocusable, setFocusableInTouchMode, setForeground, setForegroundGravity, setForegroundTintList, setForegroundTintMode, setHapticFeedbackEnabled, setHasTransientState, setHorizontalFadingEdgeEnabled, setHorizontalScrollBarEnabled, setHovered, setId, setImportantForAccessibility, setKeepScreenOn, setLabelFor, setLayerPaint, setLayerType, setLayoutDirection, setLayoutParams, setLeft, setLongClickable, setMeasuredDimension, setMinimumHeight, setMinimumWidth, setNestedScrollingEnabled, setNextFocusDownId, setNextFocusForwardId, setNextFocusLeftId, setNextFocusRightId, setNextFocusUpId, setOnApplyWindowInsetsListener, setOnClickListener, setOnContextClickListener, setOnCreateContextMenuListener, setOnDragListener, setOnFocusChangeListener, setOnGenericMotionListener, setOnHoverListener, setOnKeyListener, setOnLongClickListener, setOnScrollChangeListener, setOnSystemUiVisibilityChangeListener, setOnTouchListener, setOutlineProvider, setOverScrollMode, setPadding, setPaddingRelative, setPivotX, setPivotY, setPointerIcon, setPressed, setRevealOnFocusHint, setRight, setRotation, setRotationX, setRotationY, setSaveEnabled, setSaveFromParentEnabled, setScaleX, setScaleY, setScrollBarDefaultDelayBeforeFade, setScrollBarFadeDuration, setScrollbarFadingEnabled, setScrollBarSize, setScrollBarStyle, setScrollContainer, setScrollIndicators, setScrollIndicators, setScrollX, setScrollY, setSelected, setSoundEffectsEnabled, setStateListAnimator, setSystemUiVisibility, setTag, setTag, setTextAlignment, setTextDirection, setTop, setTouchDelegate, setTransitionName, setTranslationX, setTranslationY, setTranslationZ, setVerticalFadingEdgeEnabled, setVerticalScrollBarEnabled, setVerticalScrollbarPosition, setVisibility, setWillNotCacheDrawing, setWillNotDraw, setX, setY, setZ, showContextMenu, showContextMenu, startActionMode, startActionMode, startAnimation, startDrag, startDragAndDrop, startNestedScroll, stopNestedScroll, toString, unscheduleDrawable, unscheduleDrawable, updateDragShadow, willNotCacheDrawing, willNotDraw**

**à**

**Methods inherited from class java.lang.Object**

**clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait**

**à**

**Methods inherited from interface android.view.ViewParent**

**canResolveLayoutDirection, canResolveTextAlignment, canResolveTextDirection, createContextMenu, getLayoutDirection, getParent, getParentForAccessibility, getTextAlignment, getTextDirection, isLayoutDirectionResolved, isLayoutRequested, isTextAlignmentResolved, isTextDirectionResolved, requestFitSystemWindows, requestLayout**

* **¨**

**Field Detail**

**65**

**à enabled**

**private boolean enabled**

**Is the behavior enabled**

**¨**

**Constructor Detail**

**à MyViewPager**

**public MyViewPager(android.content.Context context, android.util.AttributeSet attrs)**

**¨**

**Method Detail**

**à onTouchEvent**

**public boolean onTouchEvent(android.view.MotionEvent event)**

**Handles what happens when the ViewPager is touched**

**Overrides:**

**onTouchEvent in class android.support.v4.view.ViewPager**

**à onInterceptTouchEvent**

**public boolean onInterceptTouchEvent(android.view.MotionEvent event)**

**Handles what happens when touch event is intercepted**

**Overrides:**

**onInterceptTouchEvent in class android.support.v4.view.ViewPager**

**à setPagingEnabled**

**public void setPagingEnabled(boolean enabled)**

**Setter for enabled**

**à isPagingEnabled**

**public boolean isPagingEnabled()**

**Getter for enabled**

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**ultramirinc.champs\_mood**

**Interface RegisterActivity.ProfileQuery**

**· Enclosing class:**

[**RegisterActivity**](#page74)

**private static interface**

**Interface for the profile query**

**·** **¨**

**Field Summary**

**Modifier and Type** **Field and Description**

**static int** [**ADDRESS**](#page69)

**static int** [**IS\_PRIMARY**](#page69)

**static java.lang.String[]** [**PROJECTION**](#page69)

**68**

* **¨ Field Detail**
  + **PROJECTION**

**static final java.lang.String[] PROJECTION**

**à ADDRESS**

**static final int ADDRESS**

**See Also:**

[**Constant Field Values**](#ultramirinc.champs_mood.RegisterActivity.ProfileQuery.ADDRESS)

**à IS\_PRIMARY**

**static final int IS\_PRIMARY**

**See Also:**

[**Constant Field Values**](#ultramirinc.champs_mood.RegisterActivity.ProfileQuery.IS_PRIMARY)

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**ultramirinc.champs\_mood**

**Class RegisterActivity.UserRegisterTask**

* **java.lang.Object**
* **¨ android.os.AsyncTask<java.lang.Void,java.lang.Void,java.lang.Boolean>**
  + **à ultramirinc.champs\_mood.RegisterActivity.UserRegisterTask**
* **Enclosing class:**

[**RegisterActivity**](#page74)

**public class**

**extends android.os.AsyncTask<java.lang.Void,java.lang.Void,java.lang.Boolean>**

**Represents an asynchronous login/registration task used to authenticate the user.**

* **¨**

**Nested Class Summary**

**70**

* **Nested classes/interfaces inherited from class android.os.AsyncTask**

**android.os.AsyncTask.Status**

**¨**

**Field Summary**

|  |  |  |  |
| --- | --- | --- | --- |
| **Modifier and Type** | | **Field and** |  |
| **Description** |  |
|  |  |  |
| **private** | **java.lang.String** | [**mEmail**](#page71) |  |
| **private** | **java.lang.String** | [**mPassword**](#page72) |  |

**à**

**Fields inherited from class android.os.AsyncTask**

**SERIAL\_EXECUTOR, THREAD\_POOL\_EXECUTOR**

**¨**

**Constructor Summary**

**Constructor and Description**

[**UserRegisterTask**](#page72)**(java.lang.String email, java.lang.String password)**

**¨**

**Method Summary**

|  |  |  |
| --- | --- | --- |
| **Modifier and Type** | | **Method and Description** |
| **protected java.lang.Boolean** | | [**doInBackground**](#page72)**(java.lang.Void... params)** |
| **protected** | **void** | [**onCancelled**](#page72)**()** |
| **protected** | **void** | [**onPostExecute**](#page72)**(java.lang.Boolean success)** |

**à**

**Methods inherited from class android.os.AsyncTask**

**cancel, execute, execute, executeOnExecutor, get, get, getStatus, isCancelled, onCancelled, onPreExecute, onProgressUpdate, publishProgress**

**à**

**Methods inherited from class java.lang.Object**

**clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait**

* **¨**

**Field Detail**

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**à mEmail**

**private final java.lang.String mEmail**

**à mPassword**

**private final java.lang.String mPassword**

**¨**

**Constructor Detail**

**à UserRegisterTask**

**UserRegisterTask(java.lang.String email, java.lang.String password)**

**¨**

**Method Detail**

**à doInBackground**

**protected java.lang.Boolean doInBackground(java.lang.Void... params)**

**Specified by:**

**doInBackground in**

**class android.os.AsyncTask<java.lang.Void,java.lang.Void,java.lang.Boo**

**à onPostExecute**

**protected void onPostExecute(java.lang.Boolean success)**

**Overrides:**

**onPostExecute in**

**class android.os.AsyncTask<java.lang.Void,java.lang.Void,java.lang.Boo**

**à onCancelled**

**protected void onCancelled()**

**Overrides:**

**onCancelled in**

**class android.os.AsyncTask<java.lang.Void,java.lang.Void,java.lang.Boo**

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**ultramirinc.champs\_mood**

**Class RegisterActivity**

* **java.lang.Object**
* **¨ android.content.Context**
  + **à android.content.ContextWrapper**

**à × android.view.ContextThemeWrapper × · android.app.Activity**

**·¨ android.support.v4.app.SupportActivity**

**¨à android.support.v4.app.FragmentActivity**

**à× android.support.v7.app.AppCompatActivity**

**×· ultramirinc.champs\_mood.RegisterActivity**

* **All Implemented Interfaces:**

**android.app.LoaderManager.LoaderCallbacks<android.database.Cursor>, android.content.ComponentCallbacks, android.content.ComponentCallbacks2, android.support.v4.app.ActivityCompat.OnRequestPermissionsResultCallback, android.support.v4.app.ActivityCompatApi23.RequestPermissionsRequestCodeValidator, android.support.v4.app.TaskStackBuilder.SupportParentable, android.support.v7.app.ActionBarDrawerToggle.DelegateProvider, android.support.v7.app.AppCompatCallback, android.view.KeyEvent.Callback, android.view.LayoutInflater.Factory, android.view.LayoutInflater.Factory2,**

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**android.view.View.OnCreateContextMenuListener, android.view.Window.Callback**

**public class**

**extends android.support.v7.app.AppCompatActivity**

**implements android.app.LoaderManager.LoaderCallbacks<android.database.Cursor>**

**Created by Etienne Berube on 2017-03-23. Allows the user to create an account into the Database. This account can be used to login later on**

* **¨**

**Nested Class Summary**

**Modifier and Type**

**private static interface**

**class**

**à**

**Class and Description**

[**RegisterActivity.ProfileQuery**](#page68)

**Interface for the profile query**

[**RegisterActivity.UserRegisterTask**](#page70)

**Represents an asynchronous login/registration task used to authenticate the user.**

**Nested classes/interfaces inherited from class android.support.v4.app.SupportActivity**

**android.support.v4.app.SupportActivity.ExtraData**

**¨**

**Field Summary**

**Modifier and Type** **Field and Description**

**private com.google.firebase.auth.FirebaseAuth**

**private** [**RegisterActivity.UserRegisterTask**](#page70)

[**firebaseAuth**](#page105)

**Defining firebase auth object**

[**mAuthTask**](#page80)

**Keep track of the login task to ensure we can cancel it if requested.**

[**mConfirmView**](#page81)

|  |  |  |
| --- | --- | --- |
| **private android.widget.EditText** | **Contains a EditText of the password** |  |
|  | **confirmation of the account that is being** |  |
|  |  |  |
|  | **created** |  |
|  | [**mEmailView**](#page81) |  |
| **private** | **Contains a AutoCompleteTextView of** |  |
| **android.widget.AutoCompleteTextView** | **the email of the account that is being** |  |
|  | **created** |  |
|  | [**mNameView**](#page80) |  |
| **private** | **Contains a AutoCompleteTextView of** |  |
| **android.widget.AutoCompleteTextView** | **the name of the account that is being** |  |
|  | **created** |  |
| **private android.widget.EditText** | [**mPasswordView**](#page81) |  |

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**private android.view.View**

**private android.view.View**

**private android.app.ProgressDialog**

**private static int**

**à**

**Contains a EditText of the password of the account that is being created**

[**mProgressView**](#page81)

**Contains a View of the progress of the account that is being created**

[**mRegisterFormView**](#page81)

**Contains a View of the register form of the account that is being created**

[**progressDialog**](#page222)

**Contains a ProgressDialog of the account that is being created**

[**REQUEST\_READ\_CONTACTS**](#page80)

**Id to identity READ\_CONTACTS permission request.**

**Fields inherited from class android.app.Activity**

**DEFAULT\_KEYS\_DIALER, DEFAULT\_KEYS\_DISABLE,**

**DEFAULT\_KEYS\_SEARCH\_GLOBAL, DEFAULT\_KEYS\_SEARCH\_LOCAL,**

**DEFAULT\_KEYS\_SHORTCUT, FOCUSED\_STATE\_SET, RESULT\_CANCELED,**

**RESULT\_FIRST\_USER, RESULT\_OK**

**à**

**Fields inherited from class android.content.Context**

**ACCESSIBILITY\_SERVICE, ACCOUNT\_SERVICE, ACTIVITY\_SERVICE,**

**ALARM\_SERVICE, APP\_OPS\_SERVICE, APPWIDGET\_SERVICE, AUDIO\_SERVICE,**

**BATTERY\_SERVICE, BIND\_ABOVE\_CLIENT, BIND\_ADJUST\_WITH\_ACTIVITY,**

**BIND\_ALLOW\_OOM\_MANAGEMENT, BIND\_AUTO\_CREATE, BIND\_DEBUG\_UNBIND,**

**BIND\_EXTERNAL\_SERVICE, BIND\_IMPORTANT, BIND\_NOT\_FOREGROUND,**

**BIND\_WAIVE\_PRIORITY, BLUETOOTH\_SERVICE, CAMERA\_SERVICE,**

**CAPTIONING\_SERVICE, CARRIER\_CONFIG\_SERVICE, CLIPBOARD\_SERVICE,**

**CONNECTIVITY\_SERVICE, CONSUMER\_IR\_SERVICE, CONTEXT\_IGNORE\_SECURITY,**

**CONTEXT\_INCLUDE\_CODE, CONTEXT\_RESTRICTED, DEVICE\_POLICY\_SERVICE,**

**DISPLAY\_SERVICE, DOWNLOAD\_SERVICE, DROPBOX\_SERVICE,**

**FINGERPRINT\_SERVICE, HARDWARE\_PROPERTIES\_SERVICE,**

**INPUT\_METHOD\_SERVICE, INPUT\_SERVICE, JOB\_SCHEDULER\_SERVICE,**

**KEYGUARD\_SERVICE, LAUNCHER\_APPS\_SERVICE, LAYOUT\_INFLATER\_SERVICE,**

**LOCATION\_SERVICE, MEDIA\_PROJECTION\_SERVICE, MEDIA\_ROUTER\_SERVICE,**

**MEDIA\_SESSION\_SERVICE, MIDI\_SERVICE, MODE\_APPEND,**

**MODE\_ENABLE\_WRITE\_AHEAD\_LOGGING, MODE\_MULTI\_PROCESS,**

**MODE\_NO\_LOCALIZED\_COLLATORS, MODE\_PRIVATE, MODE\_WORLD\_READABLE,**

**MODE\_WORLD\_WRITEABLE, NETWORK\_STATS\_SERVICE, NFC\_SERVICE,**

**NOTIFICATION\_SERVICE, NSD\_SERVICE, POWER\_SERVICE, PRINT\_SERVICE,**

**RESTRICTIONS\_SERVICE, SEARCH\_SERVICE, SENSOR\_SERVICE,**

**SHORTCUT\_SERVICE, STORAGE\_SERVICE, SYSTEM\_HEALTH\_SERVICE,**

**TELECOM\_SERVICE, TELEPHONY\_SERVICE, TELEPHONY\_SUBSCRIPTION\_SERVICE,**

**TEXT\_SERVICES\_MANAGER\_SERVICE, TV\_INPUT\_SERVICE, UI\_MODE\_SERVICE,**

**USAGE\_STATS\_SERVICE, USB\_SERVICE, USER\_SERVICE, VIBRATOR\_SERVICE,**

**WALLPAPER\_SERVICE, WIFI\_P2P\_SERVICE, WIFI\_SERVICE, WINDOW\_SERVICE**

**à**

**Fields inherited from**

**interface android.content.ComponentCallbacks2**

**TRIM\_MEMORY\_BACKGROUND, TRIM\_MEMORY\_COMPLETE, TRIM\_MEMORY\_MODERATE,**

**TRIM\_MEMORY\_RUNNING\_CRITICAL, TRIM\_MEMORY\_RUNNING\_LOW,**

**76**

**TRIM\_MEMORY\_RUNNING\_MODERATE, TRIM\_MEMORY\_UI\_HIDDEN**

**¨**

**Constructor Summary**

**Constructor and Description**

[**RegisterActivity**](#page81)**()**

**¨**

**Method Summary**

**Modifier and Type** **Met**

**private void**

**private void**

**private boolean**

**private boolean**

**private boolean**

**protected void**

**android.content.Loader<android.database.Cursor>**

**void**

**void**

**void**

**private void**

**private void**

**private void**

**à**

[**addEmailsToAutoComplete**](#page83)**(java.util**

**Creates adapter to tell the AutoComplete**

[**attemptLogin**](#page82)**()**

**Attempts to sign in or register the accoun**

[**isEmailValid**](#page82)**(java.lang.String ema**

**Checks if the email is valid.**

[**isPasswordValid**](#page82)**(java.lang.String**

**Checks if the password is valid.**

[**mayRequestContacts**](#page82)**()**

**Requests the user's permission to access t**

[**onCreate**](#page222)**(android.os.Bundle savedI**

**Creates and inflates the layout of the activ**

[**onCreateLoader**](#page83)**(int i, android.os.**

**Creates and inflates the layout of the load**

[**onLoaderReset**](#page83)**(android.content.Loa**

**Handles if the loader is reset.**

[**onLoadFinished**](#page83)**(android.content.Lo android.database.Cursor cursor)**

**Handles if the loader is finished.**

[**onRequestPermissionsResult**](#page217)**(int re**

**int[] grantResults)**

**Callback received when a permissions req**

[**populateAutoComplete**](#page82)**()**

**Fills in the blanks if the permission for th**

[**registerUser**](#page82)**(java.lang.String ema**

**Registers the user**

[**showProgress**](#page83)**(boolean show)**

**Shows the progress UI and hides the logi**

**Methods inherited from**

**class android.support.v7.app.AppCompatActivity**

**addContentView, dispatchKeyEvent, findViewById, getDelegate, getDrawerToggleDelegate, getMenuInflater, getResources, getSupportActionBar, getSupportParentActivityIntent, invalidateOptionsMenu, onConfigurationChanged, onContentChanged,**

**77**

**onCreateSupportNavigateUpTaskStack, onDestroy, onMenuItemSelected, onMenuOpened, onPanelClosed, onPostCreate, onPostResume, onPrepareSupportNavigateUpTaskStack, onSaveInstanceState, onStart, onStop, onSupportActionModeFinished, onSupportActionModeStarted, onSupportContentChanged, onSupportNavigateUp, onTitleChanged, onWindowStartingSupportActionMode, setContentView, setContentView, setContentView, setSupportActionBar, setSupportProgress, setSupportProgressBarIndeterminate, setSupportProgressBarIndeterminateVisibility, setSupportProgressBarVisibility, setTheme, startSupportActionMode, supportInvalidateOptionsMenu, supportNavigateUpTo, supportRequestWindowFeature, supportShouldUpRecreateTask**

**à**

**Methods inherited from**

**class android.support.v4.app.FragmentActivity**

**dump, getLastCustomNonConfigurationInstance, getSupportFragmentManager, getSupportLoaderManager, getSupportMediaController, onActivityResult, onAttachFragment, onBackPressed, onCreatePanelMenu, onLowMemory, onMultiWindowModeChanged, onNewIntent, onPause, onPictureInPictureModeChanged, onPrepareOptionsPanel, onPreparePanel, onResume, onResumeFragments, onRetainCustomNonConfigurationInstance, onRetainNonConfigurationInstance, onStateNotSaved, setEnterSharedElementCallback, setExitSharedElementCallback, setSupportMediaController, startActivityForResult, startActivityFromFragment, startActivityFromFragment, startIntentSenderFromFragment, supportFinishAfterTransition, supportPostponeEnterTransition, supportStartPostponedEnterTransition, validateRequestPermissionsRequestCode**

**à**

**Methods inherited from**

**class android.support.v4.app.SupportActivity**

**getExtraData, putExtraData**

**à**

**Methods inherited from class android.app.Activity**

**closeContextMenu, closeOptionsMenu, createPendingResult, dismissDialog, dismissKeyboardShortcutsHelper, dispatchGenericMotionEvent, dispatchKeyShortcutEvent, dispatchPopulateAccessibilityEvent, dispatchTouchEvent, dispatchTrackballEvent, enterPictureInPictureMode, finish, finishActivity, finishActivityFromChild, finishAffinity, finishAfterTransition, finishAndRemoveTask, finishFromChild, getActionBar, getApplication, getCallingActivity, getCallingPackage, getChangingConfigurations, getComponentName, getContentScene, getContentTransitionManager, getCurrentFocus, getFragmentManager, getIntent, getLastNonConfigurationInstance, getLayoutInflater, getLoaderManager, getLocalClassName, getMediaController, getParent, getParentActivityIntent, getPreferences, getReferrer, getRequestedOrientation, getSearchEvent, getSystemService, getTaskId, getTitle, getTitleColor, getVoiceInteractor, getVolumeControlStream, getWindow, getWindowManager, hasWindowFocus, isChangingConfigurations, isChild, isDestroyed, isFinishing, isImmersive, isInMultiWindowMode, isInPictureInPictureMode, isLocalVoiceInteractionSupported, isTaskRoot, isVoiceInteraction, isVoiceInteractionRoot, managedQuery, moveTaskToBack, navigateUpTo,**

**78**

**navigateUpToFromChild, onActionModeFinished, onActionModeStarted, onActivityReenter, onApplyThemeResource, onAttachedToWindow, onAttachFragment, onChildTitleChanged, onContextItemSelected, onContextMenuClosed, onCreate, onCreateContextMenu, onCreateDescription, onCreateDialog, onCreateDialog, onCreateNavigateUpTaskStack, onCreateOptionsMenu, onCreatePanelView, onCreateThumbnail, onDetachedFromWindow, onEnterAnimationComplete, onGenericMotionEvent, onKeyDown, onKeyLongPress, onKeyMultiple, onKeyShortcut, onKeyUp, onLocalVoiceInteractionStarted, onLocalVoiceInteractionStopped, onNavigateUp, onNavigateUpFromChild, onOptionsItemSelected, onOptionsMenuClosed, onPostCreate, onPrepareDialog, onPrepareDialog, onPrepareNavigateUpTaskStack, onPrepareOptionsMenu, onProvideAssistContent, onProvideAssistData, onProvideKeyboardShortcuts, onProvideReferrer, onRestart, onRestoreInstanceState, onRestoreInstanceState, onSaveInstanceState, onSearchRequested, onSearchRequested, onTouchEvent, onTrackballEvent, onTrimMemory, onUserInteraction, onUserLeaveHint, onVisibleBehindCanceled, onWindowAttributesChanged, onWindowFocusChanged, onWindowStartingActionMode, onWindowStartingActionMode, openContextMenu, openOptionsMenu, overridePendingTransition, postponeEnterTransition, recreate, registerForContextMenu, releaseInstance, removeDialog, reportFullyDrawn, requestDragAndDropPermissions, requestPermissions, requestShowKeyboardShortcuts, requestVisibleBehind, requestWindowFeature, runOnUiThread, setActionBar, setContentTransitionManager, setDefaultKeyMode, setEnterSharedElementCallback, setExitSharedElementCallback, setFeatureDrawable, setFeatureDrawableAlpha, setFeatureDrawableResource, setFeatureDrawableUri, setFinishOnTouchOutside, setImmersive, setIntent, setMediaController, setProgress, setProgressBarIndeterminate, setProgressBarIndeterminateVisibility, setProgressBarVisibility, setRequestedOrientation, setResult, setResult, setSecondaryProgress, setTaskDescription, setTitle, setTitle, setTitleColor, setVisible, setVolumeControlStream, setVrModeEnabled, shouldShowRequestPermissionRationale, shouldUpRecreateTask, showAssist, showDialog, showDialog, showLockTaskEscapeMessage, startActionMode, startActionMode, startActivities, startActivities, startActivity, startActivity, startActivityFromChild, startActivityFromChild, startActivityFromFragment, startActivityFromFragment, startActivityIfNeeded, startActivityIfNeeded, startIntentSender, startIntentSender, startIntentSenderFromChild, startIntentSenderFromChild, startLocalVoiceInteraction, startLockTask, startManagingCursor, startNextMatchingActivity, startNextMatchingActivity, startPostponedEnterTransition, startSearch, stopLocalVoiceInteraction, stopLockTask, stopManagingCursor, takeKeyEvents, triggerSearch, unregisterForContextMenu**

**à**

**Methods inherited from**

**class android.view.ContextThemeWrapper**

**applyOverrideConfiguration, attachBaseContext, getAssets, getTheme**

**à**

**Methods inherited from**

**class android.content.ContextWrapper**

**bindService, checkCallingOrSelfPermission, checkCallingOrSelfUriPermission, checkCallingPermission, checkCallingUriPermission, checkPermission, checkSelfPermission,**

**79**

**checkUriPermission, checkUriPermission, clearWallpaper, createConfigurationContext, createDeviceProtectedStorageContext, createDisplayContext, createPackageContext, databaseList, deleteDatabase, deleteFile, deleteSharedPreferences, enforceCallingOrSelfPermission, enforceCallingOrSelfUriPermission, enforceCallingPermission, enforceCallingUriPermission, enforcePermission, enforceUriPermission, enforceUriPermission, fileList, getApplicationContext, getApplicationInfo, getBaseContext, getCacheDir, getClassLoader, getCodeCacheDir, getContentResolver, getDatabasePath, getDataDir, getDir, getExternalCacheDir, getExternalCacheDirs, getExternalFilesDir, getExternalFilesDirs, getExternalMediaDirs, getFilesDir, getFileStreamPath, getMainLooper, getNoBackupFilesDir, getObbDir, getObbDirs, getPackageCodePath, getPackageManager, getPackageName, getPackageResourcePath, getSharedPreferences, getSystemServiceName, getWallpaper, getWallpaperDesiredMinimumHeight, getWallpaperDesiredMinimumWidth, grantUriPermission, isDeviceProtectedStorage, isRestricted, moveDatabaseFrom, moveSharedPreferencesFrom, openFileInput, openFileOutput, openOrCreateDatabase, openOrCreateDatabase, peekWallpaper, registerReceiver, registerReceiver, removeStickyBroadcast, removeStickyBroadcastAsUser, revokeUriPermission, sendBroadcast, sendBroadcast, sendBroadcastAsUser, sendBroadcastAsUser, sendOrderedBroadcast, sendOrderedBroadcast, sendOrderedBroadcastAsUser, sendStickyBroadcast, sendStickyBroadcastAsUser, sendStickyOrderedBroadcast, sendStickyOrderedBroadcastAsUser, setWallpaper, setWallpaper, startInstrumentation, startService, stopService, unbindService, unregisterReceiver**

**à**

**Methods inherited from class android.content.Context**

**getColor, getColorStateList, getDrawable, getString, getString, getSystemService, getText, obtainStyledAttributes, obtainStyledAttributes, obtainStyledAttributes, obtainStyledAttributes, registerComponentCallbacks, unregisterComponentCallbacks**

**à**

**Methods inherited from class java.lang.Object**

**clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait**

* **¨**

**Field Detail**

**à REQUEST\_READ\_CONTACTS**

**private static final int REQUEST\_READ\_CONTACTS**

**Id to identity READ\_CONTACTS permission request.**

**See Also:**

[**Constant Field Values**](#ultramirinc.champs_mood.RegisterActivity.REQUEST_READ_CONTACTS)

**à mAuthTask**

**private** [**RegisterActivity.UserRegisterTask**](#page70) **mAuthTask**

**Keep track of the login task to ensure we can cancel it if requested.**

**80**

**à mNameView**

**private android.widget.AutoCompleteTextView mNameView**

**Contains a AutoCompleteTextView of the name of the account that is being created**

**à mEmailView**

**private android.widget.AutoCompleteTextView mEmailView**

**Contains a AutoCompleteTextView of the email of the account that is being created**

**à mPasswordView**

**private android.widget.EditText mPasswordView**

**Contains a EditText of the password of the account that is being created**

**à mConfirmView**

**private android.widget.EditText mConfirmView**

**Contains a EditText of the password confirmation of the account that is being created**

**à mProgressView**

**private android.view.View mProgressView**

**Contains a View of the progress of the account that is being created**

**à mRegisterFormView**

**private android.view.View mRegisterFormView**

**Contains a View of the register form of the account that is being created**

**à progressDialog**

**private android.app.ProgressDialog progressDialog**

**Contains a ProgressDialog of the account that is being created**

**à firebaseAuth**

**private com.google.firebase.auth.FirebaseAuth firebaseAuth**

**Defining firebase auth object**

**¨**

**Constructor Detail**

**à RegisterActivity**

**public RegisterActivity()**

**¨**

**Method Detail**

**81**

**à onCreate**

**protected void onCreate(android.os.Bundle savedInstanceState)**

**Creates and inflates the layout of the activity.**

**Overrides:**

**onCreate in class android.support.v7.app.AppCompatActivity**

**à populateAutoComplete**

**private void populateAutoComplete()**

**Fills in the blanks if the permission for the contacts is not granted**

**à registerUser**

**private void registerUser(java.lang.String email, java.lang.String password)**

**Registers the user**

**à mayRequestContacts**

**private boolean mayRequestContacts()**

**Requests the user's permission to access the contacts**

**à onRequestPermissionsResult**

**public void onRequestPermissionsResult(int requestCode, @NonNull**

**java.lang.String[] permissions, @NonNull**

**int[] grantResults)**

**Callback received when a permissions request has been completed.**

**Specified by:**

**onRequestPermissionsResult in**

**interface android.support.v4.app.ActivityCompat.OnRequestPermissionsRes**

**Overrides:**

**onRequestPermissionsResult in**

**class android.support.v4.app.FragmentActivity**

**à attemptLogin**

**private void attemptLogin()**

**Attempts to sign in or register the account specified by the login form. If there are form errors (invalid email, missing fields, etc.), the errors are presented and no actual login attempt is made.**

**à isEmailValid**

**private boolean isEmailValid(java.lang.String email)**

**Checks if the email is valid.**

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**à isPasswordValid**

**private boolean isPasswordValid(java.lang.String password)**

**Checks if the password is valid.**

**à showProgress**

**private void showProgress(boolean show)**

**Shows the progress UI and hides the login form.**

**à onCreateLoader**

**public android.content.Loader<android.database.Cursor> onCreateLoader(int i andro**

**Creates and inflates the layout of the loader.**

**Specified by:**

**onCreateLoader in**

**interface android.app.LoaderManager.LoaderCallbacks<android.database.Cu**

**à onLoadFinished**

**public void onLoadFinished(android.content.Loader<android.database.Cursor> android.database.Cursor cursor)**

**Handles if the loader is finished.**

**Specified by:**

**onLoadFinished in**

**interface android.app.LoaderManager.LoaderCallbacks<android.database.Cu**

**à onLoaderReset**

**public void onLoaderReset(android.content.Loader<android.database.Cursor> c**

**Handles if the loader is reset.**

**Specified by:**

**onLoaderReset in**

**interface android.app.LoaderManager.LoaderCallbacks<android.database.Cu**

**à addEmailsToAutoComplete**

**private void addEmailsToAutoComplete(java.util.List<java.lang.String> email**

**Creates adapter to tell the AutoCompleteTextView what to show in its dropdown list.**

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**ultramirinc.champs\_mood**

**Class ScheduleAdder**

* **java.lang.Object**
* **¨ android.content.Context**
  + **à android.content.ContextWrapper**

**à × android.view.ContextThemeWrapper × · android.app.Activity**

**·¨ android.support.v4.app.SupportActivity**

**¨à android.support.v4.app.FragmentActivity**

**à× android.support.v7.app.AppCompatActivity**

**×· ultramirinc.champs\_mood.ScheduleAdder**

* **All Implemented Interfaces:**

**android.content.ComponentCallbacks, android.content.ComponentCallbacks2, android.support.v4.app.ActivityCompat.OnRequestPermissionsResultCallback, android.support.v4.app.ActivityCompatApi23.RequestPermissionsRequestCodeValidator, android.support.v4.app.TaskStackBuilder.SupportParentable, android.support.v7.app.ActionBarDrawerToggle.DelegateProvider, android.support.v7.app.AppCompatCallback, android.view.KeyEvent.Callback, android.view.LayoutInflater.Factory, android.view.LayoutInflater.Factory2, android.view.View.OnCreateContextMenuListener, android.view.Window.Callback,**

**85**

[**BreakCreator.OnBreakReadyListener**](#page19)

**public class**

**extends android.support.v7.app.AppCompatActivity**

**implements** [**BreakCreator.OnBreakReadyListener**](#page19)

**Created by Etienne Berube on 2017-03-23. This class allows the user to manage existing breaks or create new ones.**

* **¨**

**Nested Class Summary**

**à**

**Nested classes/interfaces inherited from class android.support.v4.app.SupportActivity**

**android.support.v4.app.SupportActivity.ExtraData**

**¨**

**Field Summary**

**Modifier and Type**

**private java.util.List<**[**Break**](#page120)**>**

**private android.content.Context**

**private android.support.v7.widget.RecyclerView**

**à**

**Field and Description**

[**breakList**](#page90)

**Contains a list of all the breaks of a user**

[**context**](#page221)

**Contains the context from the attached activity**

[**recyclerView**](#page221)

**Contains the recycler view of the visual layout**

**Fields inherited from class android.app.Activity**

**DEFAULT\_KEYS\_DIALER, DEFAULT\_KEYS\_DISABLE,**

**DEFAULT\_KEYS\_SEARCH\_GLOBAL, DEFAULT\_KEYS\_SEARCH\_LOCAL,**

**DEFAULT\_KEYS\_SHORTCUT, FOCUSED\_STATE\_SET, RESULT\_CANCELED,**

**RESULT\_FIRST\_USER, RESULT\_OK**

**à**

**Fields inherited from class android.content.Context**

**ACCESSIBILITY\_SERVICE, ACCOUNT\_SERVICE, ACTIVITY\_SERVICE,**

**ALARM\_SERVICE, APP\_OPS\_SERVICE, APPWIDGET\_SERVICE, AUDIO\_SERVICE,**

**BATTERY\_SERVICE, BIND\_ABOVE\_CLIENT, BIND\_ADJUST\_WITH\_ACTIVITY,**

**BIND\_ALLOW\_OOM\_MANAGEMENT, BIND\_AUTO\_CREATE, BIND\_DEBUG\_UNBIND,**

**BIND\_EXTERNAL\_SERVICE, BIND\_IMPORTANT, BIND\_NOT\_FOREGROUND,**

**BIND\_WAIVE\_PRIORITY, BLUETOOTH\_SERVICE, CAMERA\_SERVICE,**

**CAPTIONING\_SERVICE, CARRIER\_CONFIG\_SERVICE, CLIPBOARD\_SERVICE,**

**CONNECTIVITY\_SERVICE, CONSUMER\_IR\_SERVICE, CONTEXT\_IGNORE\_SECURITY,**

**CONTEXT\_INCLUDE\_CODE, CONTEXT\_RESTRICTED, DEVICE\_POLICY\_SERVICE,**

**DISPLAY\_SERVICE, DOWNLOAD\_SERVICE, DROPBOX\_SERVICE,**

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**FINGERPRINT\_SERVICE, HARDWARE\_PROPERTIES\_SERVICE,**

**INPUT\_METHOD\_SERVICE, INPUT\_SERVICE, JOB\_SCHEDULER\_SERVICE,**

**KEYGUARD\_SERVICE, LAUNCHER\_APPS\_SERVICE, LAYOUT\_INFLATER\_SERVICE,**

**LOCATION\_SERVICE, MEDIA\_PROJECTION\_SERVICE, MEDIA\_ROUTER\_SERVICE,**

**MEDIA\_SESSION\_SERVICE, MIDI\_SERVICE, MODE\_APPEND,**

**MODE\_ENABLE\_WRITE\_AHEAD\_LOGGING, MODE\_MULTI\_PROCESS,**

**MODE\_NO\_LOCALIZED\_COLLATORS, MODE\_PRIVATE, MODE\_WORLD\_READABLE,**

**MODE\_WORLD\_WRITEABLE, NETWORK\_STATS\_SERVICE, NFC\_SERVICE,**

**NOTIFICATION\_SERVICE, NSD\_SERVICE, POWER\_SERVICE, PRINT\_SERVICE,**

**RESTRICTIONS\_SERVICE, SEARCH\_SERVICE, SENSOR\_SERVICE,**

**SHORTCUT\_SERVICE, STORAGE\_SERVICE, SYSTEM\_HEALTH\_SERVICE,**

**TELECOM\_SERVICE, TELEPHONY\_SERVICE, TELEPHONY\_SUBSCRIPTION\_SERVICE,**

**TEXT\_SERVICES\_MANAGER\_SERVICE, TV\_INPUT\_SERVICE, UI\_MODE\_SERVICE,**

**USAGE\_STATS\_SERVICE, USB\_SERVICE, USER\_SERVICE, VIBRATOR\_SERVICE,**

**WALLPAPER\_SERVICE, WIFI\_P2P\_SERVICE, WIFI\_SERVICE, WINDOW\_SERVICE**

**à**

**Fields inherited from**

**interface android.content.ComponentCallbacks2**

**TRIM\_MEMORY\_BACKGROUND, TRIM\_MEMORY\_COMPLETE, TRIM\_MEMORY\_MODERATE,**

**TRIM\_MEMORY\_RUNNING\_CRITICAL, TRIM\_MEMORY\_RUNNING\_LOW,**

**TRIM\_MEMORY\_RUNNING\_MODERATE, TRIM\_MEMORY\_UI\_HIDDEN**

**¨**

**Constructor Summary**

**Constructor and Description**

[**ScheduleAdder**](#page91)**()**

**¨**

**Method Summary**

**Modifier and Type** **Method and Description**

**void**

**protected void**

**void**

**private void**

**à**

[**onBreakReady**](#page91)**(java.lang.String breakString)**

**Handles the event when a break is ready.**

[**onCreate**](#page222)**(android.os.Bundle savedInstanceState)**

**Creates and inflate the view of the activity.**

[**populateList**](#page91)**()**

**Gets the breaks from the database and adds them in the list.**

[**saveBreakToDb**](#page91)**(**[**Break**](#page120) **breakItem)**

**Saves a break to the database.**

**Methods inherited from**

**class android.support.v7.app.AppCompatActivity**

**addContentView, dispatchKeyEvent, findViewById, getDelegate, getDrawerToggleDelegate, getMenuInflater, getResources, getSupportActionBar, getSupportParentActivityIntent, invalidateOptionsMenu, onConfigurationChanged, onContentChanged, onCreateSupportNavigateUpTaskStack, onDestroy, onMenuItemSelected, onMenuOpened, onPanelClosed, onPostCreate, onPostResume, onPrepareSupportNavigateUpTaskStack, onSaveInstanceState, onStart, onStop, onSupportActionModeFinished, onSupportActionModeStarted,**

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**onSupportContentChanged, onSupportNavigateUp, onTitleChanged, onWindowStartingSupportActionMode, setContentView, setContentView, setContentView, setSupportActionBar, setSupportProgress, setSupportProgressBarIndeterminate, setSupportProgressBarIndeterminateVisibility, setSupportProgressBarVisibility, setTheme, startSupportActionMode, supportInvalidateOptionsMenu, supportNavigateUpTo, supportRequestWindowFeature, supportShouldUpRecreateTask**

**à**

**Methods inherited from**

**class android.support.v4.app.FragmentActivity**

**dump, getLastCustomNonConfigurationInstance, getSupportFragmentManager, getSupportLoaderManager, getSupportMediaController, onActivityResult, onAttachFragment, onBackPressed, onCreatePanelMenu, onLowMemory, onMultiWindowModeChanged, onNewIntent, onPause, onPictureInPictureModeChanged, onPrepareOptionsPanel, onPreparePanel, onRequestPermissionsResult, onResume, onResumeFragments, onRetainCustomNonConfigurationInstance, onRetainNonConfigurationInstance, onStateNotSaved, setEnterSharedElementCallback, setExitSharedElementCallback, setSupportMediaController, startActivityForResult, startActivityFromFragment, startActivityFromFragment, startIntentSenderFromFragment, supportFinishAfterTransition, supportPostponeEnterTransition, supportStartPostponedEnterTransition, validateRequestPermissionsRequestCode**

**à**

**Methods inherited from**

**class android.support.v4.app.SupportActivity**

**getExtraData, putExtraData**

**à**

**Methods inherited from class android.app.Activity**

**closeContextMenu, closeOptionsMenu, createPendingResult, dismissDialog, dismissKeyboardShortcutsHelper, dispatchGenericMotionEvent, dispatchKeyShortcutEvent, dispatchPopulateAccessibilityEvent, dispatchTouchEvent, dispatchTrackballEvent, enterPictureInPictureMode, finish, finishActivity, finishActivityFromChild, finishAffinity, finishAfterTransition, finishAndRemoveTask, finishFromChild, getActionBar, getApplication, getCallingActivity, getCallingPackage, getChangingConfigurations, getComponentName, getContentScene, getContentTransitionManager, getCurrentFocus, getFragmentManager, getIntent, getLastNonConfigurationInstance, getLayoutInflater, getLoaderManager, getLocalClassName, getMediaController, getParent, getParentActivityIntent, getPreferences, getReferrer, getRequestedOrientation, getSearchEvent, getSystemService, getTaskId, getTitle, getTitleColor, getVoiceInteractor, getVolumeControlStream, getWindow, getWindowManager, hasWindowFocus, isChangingConfigurations, isChild, isDestroyed, isFinishing, isImmersive, isInMultiWindowMode, isInPictureInPictureMode, isLocalVoiceInteractionSupported, isTaskRoot, isVoiceInteraction, isVoiceInteractionRoot, managedQuery, moveTaskToBack, navigateUpTo, navigateUpToFromChild, onActionModeFinished, onActionModeStarted, onActivityReenter, onApplyThemeResource, onAttachedToWindow, onAttachFragment, onChildTitleChanged, onContextItemSelected, onContextMenuClosed, onCreate, onCreateContextMenu,**

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**onCreateDescription, onCreateDialog, onCreateDialog, onCreateNavigateUpTaskStack, onCreateOptionsMenu, onCreatePanelView, onCreateThumbnail, onDetachedFromWindow, onEnterAnimationComplete, onGenericMotionEvent, onKeyDown, onKeyLongPress, onKeyMultiple, onKeyShortcut, onKeyUp, onLocalVoiceInteractionStarted, onLocalVoiceInteractionStopped, onNavigateUp, onNavigateUpFromChild, onOptionsItemSelected, onOptionsMenuClosed, onPostCreate, onPrepareDialog, onPrepareDialog, onPrepareNavigateUpTaskStack, onPrepareOptionsMenu, onProvideAssistContent, onProvideAssistData, onProvideKeyboardShortcuts, onProvideReferrer, onRestart, onRestoreInstanceState, onRestoreInstanceState, onSaveInstanceState, onSearchRequested, onSearchRequested, onTouchEvent, onTrackballEvent, onTrimMemory, onUserInteraction, onUserLeaveHint, onVisibleBehindCanceled, onWindowAttributesChanged, onWindowFocusChanged, onWindowStartingActionMode, onWindowStartingActionMode, openContextMenu, openOptionsMenu, overridePendingTransition, postponeEnterTransition, recreate, registerForContextMenu, releaseInstance, removeDialog, reportFullyDrawn, requestDragAndDropPermissions, requestPermissions, requestShowKeyboardShortcuts, requestVisibleBehind, requestWindowFeature, runOnUiThread, setActionBar, setContentTransitionManager, setDefaultKeyMode, setEnterSharedElementCallback, setExitSharedElementCallback, setFeatureDrawable, setFeatureDrawableAlpha, setFeatureDrawableResource, setFeatureDrawableUri, setFinishOnTouchOutside, setImmersive, setIntent, setMediaController, setProgress, setProgressBarIndeterminate, setProgressBarIndeterminateVisibility, setProgressBarVisibility, setRequestedOrientation, setResult, setResult, setSecondaryProgress, setTaskDescription, setTitle, setTitle, setTitleColor, setVisible, setVolumeControlStream, setVrModeEnabled, shouldShowRequestPermissionRationale, shouldUpRecreateTask, showAssist, showDialog, showDialog, showLockTaskEscapeMessage, startActionMode, startActionMode, startActivities, startActivities, startActivity, startActivity, startActivityFromChild, startActivityFromChild, startActivityFromFragment, startActivityFromFragment, startActivityIfNeeded, startActivityIfNeeded, startIntentSender, startIntentSender, startIntentSenderFromChild, startIntentSenderFromChild, startLocalVoiceInteraction, startLockTask, startManagingCursor, startNextMatchingActivity, startNextMatchingActivity, startPostponedEnterTransition, startSearch, stopLocalVoiceInteraction, stopLockTask, stopManagingCursor, takeKeyEvents, triggerSearch, unregisterForContextMenu**

**à**

**Methods inherited from**

**class android.view.ContextThemeWrapper**

**applyOverrideConfiguration, attachBaseContext, getAssets, getTheme**

**à**

**Methods inherited from**

**class android.content.ContextWrapper**

**bindService, checkCallingOrSelfPermission, checkCallingOrSelfUriPermission, checkCallingPermission, checkCallingUriPermission, checkPermission, checkSelfPermission, checkUriPermission, checkUriPermission, clearWallpaper, createConfigurationContext, createDeviceProtectedStorageContext, createDisplayContext, createPackageContext, databaseList, deleteDatabase, deleteFile, deleteSharedPreferences,**

**89**

**enforceCallingOrSelfPermission, enforceCallingOrSelfUriPermission, enforceCallingPermission, enforceCallingUriPermission, enforcePermission, enforceUriPermission, enforceUriPermission, fileList, getApplicationContext, getApplicationInfo, getBaseContext, getCacheDir, getClassLoader, getCodeCacheDir, getContentResolver, getDatabasePath, getDataDir, getDir, getExternalCacheDir, getExternalCacheDirs, getExternalFilesDir, getExternalFilesDirs, getExternalMediaDirs, getFilesDir, getFileStreamPath, getMainLooper, getNoBackupFilesDir, getObbDir, getObbDirs, getPackageCodePath, getPackageManager, getPackageName, getPackageResourcePath, getSharedPreferences, getSystemServiceName, getWallpaper, getWallpaperDesiredMinimumHeight, getWallpaperDesiredMinimumWidth, grantUriPermission, isDeviceProtectedStorage, isRestricted, moveDatabaseFrom, moveSharedPreferencesFrom, openFileInput, openFileOutput, openOrCreateDatabase, openOrCreateDatabase, peekWallpaper, registerReceiver, registerReceiver, removeStickyBroadcast, removeStickyBroadcastAsUser, revokeUriPermission, sendBroadcast, sendBroadcast, sendBroadcastAsUser, sendBroadcastAsUser, sendOrderedBroadcast, sendOrderedBroadcast, sendOrderedBroadcastAsUser, sendStickyBroadcast, sendStickyBroadcastAsUser, sendStickyOrderedBroadcast, sendStickyOrderedBroadcastAsUser, setWallpaper, setWallpaper, startInstrumentation, startService, stopService, unbindService, unregisterReceiver**

**à**

**Methods inherited from class android.content.Context**

**getColor, getColorStateList, getDrawable, getString, getString, getSystemService, getText, obtainStyledAttributes, obtainStyledAttributes, obtainStyledAttributes, obtainStyledAttributes, registerComponentCallbacks, unregisterComponentCallbacks**

**à**

**Methods inherited from class java.lang.Object**

**clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait**

* **¨**

**Field Detail**

**à context**

**private android.content.Context context**

**Contains the context from the attached activity**

**à breakList**

**private java.util.List<**[**Break**](#page120)**> breakList**

**Contains a list of all the breaks of a user**

**à recyclerView**

**private android.support.v7.widget.RecyclerView recyclerView**

**Contains the recycler view of the visual layout**

**90**

**¨ Constructor Detail**

**à ScheduleAdder**

**public ScheduleAdder()**

**¨**

**Method Detail**

**à onCreate**

**protected void onCreate(android.os.Bundle savedInstanceState)**

**Creates and inflate the view of the activity.**

**Overrides:**

**onCreate in class android.support.v7.app.AppCompatActivity**

**à populateList**

**public void populateList()**

**Gets the breaks from the database and adds them in the list.**

**à onBreakReady**

**public void onBreakReady(java.lang.String breakString)**

**Handles the event when a break is ready.**

**Specified by:**

[**onBreakReady**](#page91) **in interface** [**BreakCreator.OnBreakReadyListener**](#page19)

**à saveBreakToDb**

**private void saveBreakToDb(**[**Break**](#page120) **breakItem)**

**Saves a break to the database.**

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**ultramirinc.champs\_mood**

**Class SettingsActivity**

* **java.lang.Object**
* **¨ android.content.Context**
  + **à android.content.ContextWrapper**

**à × android.view.ContextThemeWrapper × · android.app.Activity**

**·¨ android.support.v4.app.SupportActivity**

**¨à android.support.v4.app.FragmentActivity**

**à× android.support.v7.app.AppCompatActivity**

**×· ultramirinc.champs\_mood.SettingsActivity**

* **All Implemented Interfaces:**

**android.content.ComponentCallbacks, android.content.ComponentCallbacks2, android.support.v4.app.ActivityCompat.OnRequestPermissionsResultCallback, android.support.v4.app.ActivityCompatApi23.RequestPermissionsRequestCodeValidator, android.support.v4.app.TaskStackBuilder.SupportParentable, android.support.v7.app.ActionBarDrawerToggle.DelegateProvider, android.support.v7.app.AppCompatCallback, android.view.KeyEvent.Callback, android.view.LayoutInflater.Factory, android.view.LayoutInflater.Factory2, android.view.View.OnCreateContextMenuListener, android.view.Window.Callback**

**93**

**public class**

**extends android.support.v7.app.AppCompatActivity**

**Created by Etienne Berube on 2017-03-23. These are the settings the user can play with**

* **¨**

**Nested Class Summary**

**à**

**Nested classes/interfaces inherited from class android.support.v4.app.SupportActivity**

**android.support.v4.app.SupportActivity.ExtraData**

**¨**

**Field Summary**

**à**

**Fields inherited from class android.app.Activity**

**DEFAULT\_KEYS\_DIALER, DEFAULT\_KEYS\_DISABLE,**

**DEFAULT\_KEYS\_SEARCH\_GLOBAL, DEFAULT\_KEYS\_SEARCH\_LOCAL,**

**DEFAULT\_KEYS\_SHORTCUT, FOCUSED\_STATE\_SET, RESULT\_CANCELED,**

**RESULT\_FIRST\_USER, RESULT\_OK**

**à**

**Fields inherited from class android.content.Context**

**ACCESSIBILITY\_SERVICE, ACCOUNT\_SERVICE, ACTIVITY\_SERVICE,**

**ALARM\_SERVICE, APP\_OPS\_SERVICE, APPWIDGET\_SERVICE, AUDIO\_SERVICE,**

**BATTERY\_SERVICE, BIND\_ABOVE\_CLIENT, BIND\_ADJUST\_WITH\_ACTIVITY,**

**BIND\_ALLOW\_OOM\_MANAGEMENT, BIND\_AUTO\_CREATE, BIND\_DEBUG\_UNBIND,**

**BIND\_EXTERNAL\_SERVICE, BIND\_IMPORTANT, BIND\_NOT\_FOREGROUND,**

**BIND\_WAIVE\_PRIORITY, BLUETOOTH\_SERVICE, CAMERA\_SERVICE,**

**CAPTIONING\_SERVICE, CARRIER\_CONFIG\_SERVICE, CLIPBOARD\_SERVICE,**

**CONNECTIVITY\_SERVICE, CONSUMER\_IR\_SERVICE, CONTEXT\_IGNORE\_SECURITY,**

**CONTEXT\_INCLUDE\_CODE, CONTEXT\_RESTRICTED, DEVICE\_POLICY\_SERVICE,**

**DISPLAY\_SERVICE, DOWNLOAD\_SERVICE, DROPBOX\_SERVICE,**

**FINGERPRINT\_SERVICE, HARDWARE\_PROPERTIES\_SERVICE,**

**INPUT\_METHOD\_SERVICE, INPUT\_SERVICE, JOB\_SCHEDULER\_SERVICE,**

**KEYGUARD\_SERVICE, LAUNCHER\_APPS\_SERVICE, LAYOUT\_INFLATER\_SERVICE,**

**LOCATION\_SERVICE, MEDIA\_PROJECTION\_SERVICE, MEDIA\_ROUTER\_SERVICE,**

**MEDIA\_SESSION\_SERVICE, MIDI\_SERVICE, MODE\_APPEND,**

**MODE\_ENABLE\_WRITE\_AHEAD\_LOGGING, MODE\_MULTI\_PROCESS,**

**MODE\_NO\_LOCALIZED\_COLLATORS, MODE\_PRIVATE, MODE\_WORLD\_READABLE,**

**MODE\_WORLD\_WRITEABLE, NETWORK\_STATS\_SERVICE, NFC\_SERVICE,**

**NOTIFICATION\_SERVICE, NSD\_SERVICE, POWER\_SERVICE, PRINT\_SERVICE,**

**RESTRICTIONS\_SERVICE, SEARCH\_SERVICE, SENSOR\_SERVICE,**

**SHORTCUT\_SERVICE, STORAGE\_SERVICE, SYSTEM\_HEALTH\_SERVICE,**

**TELECOM\_SERVICE, TELEPHONY\_SERVICE, TELEPHONY\_SUBSCRIPTION\_SERVICE,**

**TEXT\_SERVICES\_MANAGER\_SERVICE, TV\_INPUT\_SERVICE, UI\_MODE\_SERVICE,**

**USAGE\_STATS\_SERVICE, USB\_SERVICE, USER\_SERVICE, VIBRATOR\_SERVICE,**

**WALLPAPER\_SERVICE, WIFI\_P2P\_SERVICE, WIFI\_SERVICE, WINDOW\_SERVICE**

**94**

* **Fields inherited from**

**interface android.content.ComponentCallbacks2**

**TRIM\_MEMORY\_BACKGROUND, TRIM\_MEMORY\_COMPLETE, TRIM\_MEMORY\_MODERATE,**

**TRIM\_MEMORY\_RUNNING\_CRITICAL, TRIM\_MEMORY\_RUNNING\_LOW,**

**TRIM\_MEMORY\_RUNNING\_MODERATE, TRIM\_MEMORY\_UI\_HIDDEN**

**¨**

**Constructor Summary**

**Constructor and Description**

[**SettingsActivity**](#page98)**()**

**¨**

**Method Summary**

|  |  |  |
| --- | --- | --- |
| **Modifier and Type** | **Method and Description** |  |
| **private void** | [**logOut**](#page98)**()** |  |
| **Logs out the current user.** |  |
|  |  |
| **protected void** | [**onCreate**](#page222)**(android.os.Bundle savedInstanceState)** |  |
| **Creates and inflate the visual layout for the activity.** |  |
|  |  |
| **void** | [**startBreakCreatorActivity**](#page98)**(android.view.View view)** |  |
| **Starts the activity of the breakCreator** |  |
|  |  |

**à**

**Methods inherited from**

**class android.support.v7.app.AppCompatActivity**

**addContentView, dispatchKeyEvent, findViewById, getDelegate, getDrawerToggleDelegate, getMenuInflater, getResources, getSupportActionBar, getSupportParentActivityIntent, invalidateOptionsMenu, onConfigurationChanged, onContentChanged, onCreateSupportNavigateUpTaskStack, onDestroy, onMenuItemSelected, onMenuOpened, onPanelClosed, onPostCreate, onPostResume, onPrepareSupportNavigateUpTaskStack, onSaveInstanceState, onStart, onStop, onSupportActionModeFinished, onSupportActionModeStarted, onSupportContentChanged, onSupportNavigateUp, onTitleChanged, onWindowStartingSupportActionMode, setContentView, setContentView, setContentView, setSupportActionBar, setSupportProgress, setSupportProgressBarIndeterminate, setSupportProgressBarIndeterminateVisibility, setSupportProgressBarVisibility, setTheme, startSupportActionMode, supportInvalidateOptionsMenu, supportNavigateUpTo, supportRequestWindowFeature, supportShouldUpRecreateTask**

**à**

**Methods inherited from**

**class android.support.v4.app.FragmentActivity**

**dump, getLastCustomNonConfigurationInstance, getSupportFragmentManager, getSupportLoaderManager, getSupportMediaController, onActivityResult, onAttachFragment, onBackPressed, onCreatePanelMenu, onLowMemory, onMultiWindowModeChanged, onNewIntent, onPause, onPictureInPictureModeChanged, onPrepareOptionsPanel,**

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**onPreparePanel, onRequestPermissionsResult, onResume, onResumeFragments, onRetainCustomNonConfigurationInstance, onRetainNonConfigurationInstance, onStateNotSaved, setEnterSharedElementCallback, setExitSharedElementCallback, setSupportMediaController, startActivityForResult, startActivityFromFragment, startActivityFromFragment, startIntentSenderFromFragment, supportFinishAfterTransition, supportPostponeEnterTransition, supportStartPostponedEnterTransition, validateRequestPermissionsRequestCode**

**à**

**Methods inherited from**

**class android.support.v4.app.SupportActivity**

**getExtraData, putExtraData**

**à**

**Methods inherited from class android.app.Activity**

**closeContextMenu, closeOptionsMenu, createPendingResult, dismissDialog, dismissKeyboardShortcutsHelper, dispatchGenericMotionEvent, dispatchKeyShortcutEvent, dispatchPopulateAccessibilityEvent, dispatchTouchEvent, dispatchTrackballEvent, enterPictureInPictureMode, finish, finishActivity, finishActivityFromChild, finishAffinity, finishAfterTransition, finishAndRemoveTask, finishFromChild, getActionBar, getApplication, getCallingActivity, getCallingPackage, getChangingConfigurations, getComponentName, getContentScene, getContentTransitionManager, getCurrentFocus, getFragmentManager, getIntent, getLastNonConfigurationInstance, getLayoutInflater, getLoaderManager, getLocalClassName, getMediaController, getParent, getParentActivityIntent, getPreferences, getReferrer, getRequestedOrientation, getSearchEvent, getSystemService, getTaskId, getTitle, getTitleColor, getVoiceInteractor, getVolumeControlStream, getWindow, getWindowManager, hasWindowFocus, isChangingConfigurations, isChild, isDestroyed, isFinishing, isImmersive, isInMultiWindowMode, isInPictureInPictureMode, isLocalVoiceInteractionSupported, isTaskRoot, isVoiceInteraction, isVoiceInteractionRoot, managedQuery, moveTaskToBack, navigateUpTo, navigateUpToFromChild, onActionModeFinished, onActionModeStarted, onActivityReenter, onApplyThemeResource, onAttachedToWindow, onAttachFragment, onChildTitleChanged, onContextItemSelected, onContextMenuClosed, onCreate, onCreateContextMenu, onCreateDescription, onCreateDialog, onCreateDialog, onCreateNavigateUpTaskStack, onCreateOptionsMenu, onCreatePanelView, onCreateThumbnail, onDetachedFromWindow, onEnterAnimationComplete, onGenericMotionEvent, onKeyDown, onKeyLongPress, onKeyMultiple, onKeyShortcut, onKeyUp, onLocalVoiceInteractionStarted, onLocalVoiceInteractionStopped, onNavigateUp, onNavigateUpFromChild, onOptionsItemSelected, onOptionsMenuClosed, onPostCreate, onPrepareDialog, onPrepareDialog, onPrepareNavigateUpTaskStack, onPrepareOptionsMenu, onProvideAssistContent, onProvideAssistData, onProvideKeyboardShortcuts, onProvideReferrer, onRestart, onRestoreInstanceState, onRestoreInstanceState, onSaveInstanceState, onSearchRequested, onSearchRequested, onTouchEvent, onTrackballEvent, onTrimMemory, onUserInteraction, onUserLeaveHint, onVisibleBehindCanceled, onWindowAttributesChanged, onWindowFocusChanged, onWindowStartingActionMode, onWindowStartingActionMode, openContextMenu, openOptionsMenu, overridePendingTransition, postponeEnterTransition, recreate, registerForContextMenu, releaseInstance, removeDialog, reportFullyDrawn, requestDragAndDropPermissions, requestPermissions,**

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**requestShowKeyboardShortcuts, requestVisibleBehind, requestWindowFeature, runOnUiThread, setActionBar, setContentTransitionManager, setDefaultKeyMode, setEnterSharedElementCallback, setExitSharedElementCallback, setFeatureDrawable, setFeatureDrawableAlpha, setFeatureDrawableResource, setFeatureDrawableUri, setFinishOnTouchOutside, setImmersive, setIntent, setMediaController, setProgress, setProgressBarIndeterminate, setProgressBarIndeterminateVisibility, setProgressBarVisibility, setRequestedOrientation, setResult, setResult, setSecondaryProgress, setTaskDescription, setTitle, setTitle, setTitleColor, setVisible, setVolumeControlStream, setVrModeEnabled, shouldShowRequestPermissionRationale, shouldUpRecreateTask, showAssist, showDialog, showDialog, showLockTaskEscapeMessage, startActionMode, startActionMode, startActivities, startActivities, startActivity, startActivity, startActivityFromChild, startActivityFromChild, startActivityFromFragment, startActivityFromFragment, startActivityIfNeeded, startActivityIfNeeded, startIntentSender, startIntentSender, startIntentSenderFromChild, startIntentSenderFromChild, startLocalVoiceInteraction, startLockTask, startManagingCursor, startNextMatchingActivity, startNextMatchingActivity, startPostponedEnterTransition, startSearch, stopLocalVoiceInteraction, stopLockTask, stopManagingCursor, takeKeyEvents, triggerSearch, unregisterForContextMenu**

**à**

**Methods inherited from**

**class android.view.ContextThemeWrapper**

**applyOverrideConfiguration, attachBaseContext, getAssets, getTheme**

**à**

**Methods inherited from**

**class android.content.ContextWrapper**

**bindService, checkCallingOrSelfPermission, checkCallingOrSelfUriPermission, checkCallingPermission, checkCallingUriPermission, checkPermission, checkSelfPermission, checkUriPermission, checkUriPermission, clearWallpaper, createConfigurationContext, createDeviceProtectedStorageContext, createDisplayContext, createPackageContext, databaseList, deleteDatabase, deleteFile, deleteSharedPreferences, enforceCallingOrSelfPermission, enforceCallingOrSelfUriPermission, enforceCallingPermission, enforceCallingUriPermission, enforcePermission, enforceUriPermission, enforceUriPermission, fileList, getApplicationContext, getApplicationInfo, getBaseContext, getCacheDir, getClassLoader, getCodeCacheDir, getContentResolver, getDatabasePath, getDataDir, getDir, getExternalCacheDir, getExternalCacheDirs, getExternalFilesDir, getExternalFilesDirs, getExternalMediaDirs, getFilesDir, getFileStreamPath, getMainLooper, getNoBackupFilesDir, getObbDir, getObbDirs, getPackageCodePath, getPackageManager, getPackageName, getPackageResourcePath, getSharedPreferences, getSystemServiceName, getWallpaper, getWallpaperDesiredMinimumHeight, getWallpaperDesiredMinimumWidth, grantUriPermission, isDeviceProtectedStorage, isRestricted, moveDatabaseFrom, moveSharedPreferencesFrom, openFileInput, openFileOutput, openOrCreateDatabase, openOrCreateDatabase, peekWallpaper, registerReceiver, registerReceiver, removeStickyBroadcast, removeStickyBroadcastAsUser, revokeUriPermission, sendBroadcast, sendBroadcast, sendBroadcastAsUser, sendBroadcastAsUser, sendOrderedBroadcast,**

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**sendOrderedBroadcast, sendOrderedBroadcastAsUser, sendStickyBroadcast, sendStickyBroadcastAsUser, sendStickyOrderedBroadcast, sendStickyOrderedBroadcastAsUser, setWallpaper, setWallpaper, startInstrumentation, startService, stopService, unbindService, unregisterReceiver**

**à**

**Methods inherited from class android.content.Context**

**getColor, getColorStateList, getDrawable, getString, getString, getSystemService, getText, obtainStyledAttributes, obtainStyledAttributes, obtainStyledAttributes, obtainStyledAttributes, registerComponentCallbacks, unregisterComponentCallbacks**

**à**

**Methods inherited from class java.lang.Object**

**clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait**

* **¨**

**Constructor Detail**

**à SettingsActivity**

**public SettingsActivity()**

**¨**

**Method Detail**

**à onCreate**

**protected void onCreate(android.os.Bundle savedInstanceState)**

**Creates and inflate the visual layout for the activity.**

**Overrides:**

**onCreate in class android.support.v7.app.AppCompatActivity**

**à logOut**

**private void logOut()**

**Logs out the current user.**

**à startBreakCreatorActivity**

**public void startBreakCreatorActivity(android.view.View view)**

**Starts the activity of the breakCreator**

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**ultramirinc.champs\_mood**

**Class SplashScreen**

* **java.lang.Object**
* **¨ android.content.Context**
  + **à android.content.ContextWrapper**

**à × android.view.ContextThemeWrapper × · android.app.Activity**

**·¨ android.support.v4.app.SupportActivity**

**¨à android.support.v4.app.FragmentActivity**

**à× android.support.v7.app.AppCompatActivity**

**×· ultramirinc.champs\_mood.SplashScreen**

* **All Implemented Interfaces:**

**android.content.ComponentCallbacks, android.content.ComponentCallbacks2, android.support.v4.app.ActivityCompat.OnRequestPermissionsResultCallback, android.support.v4.app.ActivityCompatApi23.RequestPermissionsRequestCodeValidator, android.support.v4.app.TaskStackBuilder.SupportParentable, android.support.v7.app.ActionBarDrawerToggle.DelegateProvider, android.support.v7.app.AppCompatCallback, android.view.KeyEvent.Callback, android.view.LayoutInflater.Factory, android.view.LayoutInflater.Factory2, android.view.View.OnCreateContextMenuListener, android.view.Window.Callback**

**100**

**public class**

**extends android.support.v7.app.AppCompatActivity**

**Created by William on 2017-05-03. This activity makes the bridge between the login page and the main app**

* **¨**

**Nested Class Summary**

**à**

**Nested classes/interfaces inherited from class android.support.v4.app.SupportActivity**

**android.support.v4.app.SupportActivity.ExtraData**

**¨**

**Field Summary**

**Modifier and Type**

**private com.google.firebase.auth.FirebaseAuth**

**private static int**

**à**

**Field and Description**

[**firebaseAuth**](#page105)

**Contains the database authentication reference**

[**SPLASH\_TIME\_OUT**](#page105)

**The time in millisecond this activity should stay active**

**Fields inherited from class android.app.Activity**

**DEFAULT\_KEYS\_DIALER, DEFAULT\_KEYS\_DISABLE,**

**DEFAULT\_KEYS\_SEARCH\_GLOBAL, DEFAULT\_KEYS\_SEARCH\_LOCAL,**

**DEFAULT\_KEYS\_SHORTCUT, FOCUSED\_STATE\_SET, RESULT\_CANCELED,**

**RESULT\_FIRST\_USER, RESULT\_OK**

**à**

**Fields inherited from class android.content.Context**

**ACCESSIBILITY\_SERVICE, ACCOUNT\_SERVICE, ACTIVITY\_SERVICE,**

**ALARM\_SERVICE, APP\_OPS\_SERVICE, APPWIDGET\_SERVICE, AUDIO\_SERVICE,**

**BATTERY\_SERVICE, BIND\_ABOVE\_CLIENT, BIND\_ADJUST\_WITH\_ACTIVITY,**

**BIND\_ALLOW\_OOM\_MANAGEMENT, BIND\_AUTO\_CREATE, BIND\_DEBUG\_UNBIND,**

**BIND\_EXTERNAL\_SERVICE, BIND\_IMPORTANT, BIND\_NOT\_FOREGROUND,**

**BIND\_WAIVE\_PRIORITY, BLUETOOTH\_SERVICE, CAMERA\_SERVICE,**

**CAPTIONING\_SERVICE, CARRIER\_CONFIG\_SERVICE, CLIPBOARD\_SERVICE,**

**CONNECTIVITY\_SERVICE, CONSUMER\_IR\_SERVICE, CONTEXT\_IGNORE\_SECURITY,**

**CONTEXT\_INCLUDE\_CODE, CONTEXT\_RESTRICTED, DEVICE\_POLICY\_SERVICE,**

**DISPLAY\_SERVICE, DOWNLOAD\_SERVICE, DROPBOX\_SERVICE,**

**FINGERPRINT\_SERVICE, HARDWARE\_PROPERTIES\_SERVICE,**

**INPUT\_METHOD\_SERVICE, INPUT\_SERVICE, JOB\_SCHEDULER\_SERVICE,**

**KEYGUARD\_SERVICE, LAUNCHER\_APPS\_SERVICE, LAYOUT\_INFLATER\_SERVICE,**

**LOCATION\_SERVICE, MEDIA\_PROJECTION\_SERVICE, MEDIA\_ROUTER\_SERVICE,**

**MEDIA\_SESSION\_SERVICE, MIDI\_SERVICE, MODE\_APPEND,**

**MODE\_ENABLE\_WRITE\_AHEAD\_LOGGING, MODE\_MULTI\_PROCESS,**

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**MODE\_NO\_LOCALIZED\_COLLATORS, MODE\_PRIVATE, MODE\_WORLD\_READABLE,**

**MODE\_WORLD\_WRITEABLE, NETWORK\_STATS\_SERVICE, NFC\_SERVICE,**

**NOTIFICATION\_SERVICE, NSD\_SERVICE, POWER\_SERVICE, PRINT\_SERVICE,**

**RESTRICTIONS\_SERVICE, SEARCH\_SERVICE, SENSOR\_SERVICE,**

**SHORTCUT\_SERVICE, STORAGE\_SERVICE, SYSTEM\_HEALTH\_SERVICE,**

**TELECOM\_SERVICE, TELEPHONY\_SERVICE, TELEPHONY\_SUBSCRIPTION\_SERVICE,**

**TEXT\_SERVICES\_MANAGER\_SERVICE, TV\_INPUT\_SERVICE, UI\_MODE\_SERVICE,**

**USAGE\_STATS\_SERVICE, USB\_SERVICE, USER\_SERVICE, VIBRATOR\_SERVICE,**

**WALLPAPER\_SERVICE, WIFI\_P2P\_SERVICE, WIFI\_SERVICE, WINDOW\_SERVICE**

**à**

**Fields inherited from**

**interface android.content.ComponentCallbacks2**

**TRIM\_MEMORY\_BACKGROUND, TRIM\_MEMORY\_COMPLETE, TRIM\_MEMORY\_MODERATE,**

**TRIM\_MEMORY\_RUNNING\_CRITICAL, TRIM\_MEMORY\_RUNNING\_LOW,**

**TRIM\_MEMORY\_RUNNING\_MODERATE, TRIM\_MEMORY\_UI\_HIDDEN**

**¨**

**Constructor Summary**

**Constructor and Description**

[**SplashScreen**](#page105)**()**

**¨**

**Method Summary**

**Modifier and Type** **Method and Description**

[**onCreate**](#page222)**(android.os.Bundle savedInstanceState)**

**protected void**

**Creates and inflate the visual layout for the activity.**

**à**

**Methods inherited from**

**class android.support.v7.app.AppCompatActivity**

**addContentView, dispatchKeyEvent, findViewById, getDelegate, getDrawerToggleDelegate, getMenuInflater, getResources, getSupportActionBar, getSupportParentActivityIntent, invalidateOptionsMenu, onConfigurationChanged, onContentChanged, onCreateSupportNavigateUpTaskStack, onDestroy, onMenuItemSelected, onMenuOpened, onPanelClosed, onPostCreate, onPostResume, onPrepareSupportNavigateUpTaskStack, onSaveInstanceState, onStart, onStop, onSupportActionModeFinished, onSupportActionModeStarted, onSupportContentChanged, onSupportNavigateUp, onTitleChanged, onWindowStartingSupportActionMode, setContentView, setContentView, setContentView, setSupportActionBar, setSupportProgress, setSupportProgressBarIndeterminate, setSupportProgressBarIndeterminateVisibility, setSupportProgressBarVisibility, setTheme, startSupportActionMode, supportInvalidateOptionsMenu, supportNavigateUpTo, supportRequestWindowFeature, supportShouldUpRecreateTask**

**à**

**Methods inherited from**

**class android.support.v4.app.FragmentActivity**

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**dump, getLastCustomNonConfigurationInstance, getSupportFragmentManager, getSupportLoaderManager, getSupportMediaController, onActivityResult, onAttachFragment, onBackPressed, onCreatePanelMenu, onLowMemory, onMultiWindowModeChanged, onNewIntent, onPause, onPictureInPictureModeChanged, onPrepareOptionsPanel, onPreparePanel, onRequestPermissionsResult, onResume, onResumeFragments, onRetainCustomNonConfigurationInstance, onRetainNonConfigurationInstance, onStateNotSaved, setEnterSharedElementCallback, setExitSharedElementCallback, setSupportMediaController, startActivityForResult, startActivityFromFragment, startActivityFromFragment, startIntentSenderFromFragment, supportFinishAfterTransition, supportPostponeEnterTransition, supportStartPostponedEnterTransition, validateRequestPermissionsRequestCode**

**à**

**Methods inherited from**

**class android.support.v4.app.SupportActivity**

**getExtraData, putExtraData**

**à**

**Methods inherited from class android.app.Activity**

**closeContextMenu, closeOptionsMenu, createPendingResult, dismissDialog, dismissKeyboardShortcutsHelper, dispatchGenericMotionEvent, dispatchKeyShortcutEvent, dispatchPopulateAccessibilityEvent, dispatchTouchEvent, dispatchTrackballEvent, enterPictureInPictureMode, finish, finishActivity, finishActivityFromChild, finishAffinity, finishAfterTransition, finishAndRemoveTask, finishFromChild, getActionBar, getApplication, getCallingActivity, getCallingPackage, getChangingConfigurations, getComponentName, getContentScene, getContentTransitionManager, getCurrentFocus, getFragmentManager, getIntent, getLastNonConfigurationInstance, getLayoutInflater, getLoaderManager, getLocalClassName, getMediaController, getParent, getParentActivityIntent, getPreferences, getReferrer, getRequestedOrientation, getSearchEvent, getSystemService, getTaskId, getTitle, getTitleColor, getVoiceInteractor, getVolumeControlStream, getWindow, getWindowManager, hasWindowFocus, isChangingConfigurations, isChild, isDestroyed, isFinishing, isImmersive, isInMultiWindowMode, isInPictureInPictureMode, isLocalVoiceInteractionSupported, isTaskRoot, isVoiceInteraction, isVoiceInteractionRoot, managedQuery, moveTaskToBack, navigateUpTo, navigateUpToFromChild, onActionModeFinished, onActionModeStarted, onActivityReenter, onApplyThemeResource, onAttachedToWindow, onAttachFragment, onChildTitleChanged, onContextItemSelected, onContextMenuClosed, onCreate, onCreateContextMenu, onCreateDescription, onCreateDialog, onCreateDialog, onCreateNavigateUpTaskStack, onCreateOptionsMenu, onCreatePanelView, onCreateThumbnail, onDetachedFromWindow, onEnterAnimationComplete, onGenericMotionEvent, onKeyDown, onKeyLongPress, onKeyMultiple, onKeyShortcut, onKeyUp, onLocalVoiceInteractionStarted, onLocalVoiceInteractionStopped, onNavigateUp, onNavigateUpFromChild, onOptionsItemSelected, onOptionsMenuClosed, onPostCreate, onPrepareDialog, onPrepareDialog, onPrepareNavigateUpTaskStack, onPrepareOptionsMenu, onProvideAssistContent, onProvideAssistData, onProvideKeyboardShortcuts, onProvideReferrer, onRestart, onRestoreInstanceState, onRestoreInstanceState, onSaveInstanceState, onSearchRequested, onSearchRequested, onTouchEvent, onTrackballEvent, onTrimMemory, onUserInteraction, onUserLeaveHint,**

**103**

**onVisibleBehindCanceled, onWindowAttributesChanged, onWindowFocusChanged, onWindowStartingActionMode, onWindowStartingActionMode, openContextMenu, openOptionsMenu, overridePendingTransition, postponeEnterTransition, recreate, registerForContextMenu, releaseInstance, removeDialog, reportFullyDrawn, requestDragAndDropPermissions, requestPermissions, requestShowKeyboardShortcuts, requestVisibleBehind, requestWindowFeature, runOnUiThread, setActionBar, setContentTransitionManager, setDefaultKeyMode, setEnterSharedElementCallback, setExitSharedElementCallback, setFeatureDrawable, setFeatureDrawableAlpha, setFeatureDrawableResource, setFeatureDrawableUri, setFinishOnTouchOutside, setImmersive, setIntent, setMediaController, setProgress, setProgressBarIndeterminate, setProgressBarIndeterminateVisibility, setProgressBarVisibility, setRequestedOrientation, setResult, setResult, setSecondaryProgress, setTaskDescription, setTitle, setTitle, setTitleColor, setVisible, setVolumeControlStream, setVrModeEnabled, shouldShowRequestPermissionRationale, shouldUpRecreateTask, showAssist, showDialog, showDialog, showLockTaskEscapeMessage, startActionMode, startActionMode, startActivities, startActivities, startActivity, startActivity, startActivityFromChild, startActivityFromChild, startActivityFromFragment, startActivityFromFragment, startActivityIfNeeded, startActivityIfNeeded, startIntentSender, startIntentSender, startIntentSenderFromChild, startIntentSenderFromChild, startLocalVoiceInteraction, startLockTask, startManagingCursor, startNextMatchingActivity, startNextMatchingActivity, startPostponedEnterTransition, startSearch, stopLocalVoiceInteraction, stopLockTask, stopManagingCursor, takeKeyEvents, triggerSearch, unregisterForContextMenu**

**à**

**Methods inherited from**

**class android.view.ContextThemeWrapper**

**applyOverrideConfiguration, attachBaseContext, getAssets, getTheme**

**à**

**Methods inherited from**

**class android.content.ContextWrapper**

**bindService, checkCallingOrSelfPermission, checkCallingOrSelfUriPermission, checkCallingPermission, checkCallingUriPermission, checkPermission, checkSelfPermission, checkUriPermission, checkUriPermission, clearWallpaper, createConfigurationContext, createDeviceProtectedStorageContext, createDisplayContext, createPackageContext, databaseList, deleteDatabase, deleteFile, deleteSharedPreferences, enforceCallingOrSelfPermission, enforceCallingOrSelfUriPermission, enforceCallingPermission, enforceCallingUriPermission, enforcePermission, enforceUriPermission, enforceUriPermission, fileList, getApplicationContext, getApplicationInfo, getBaseContext, getCacheDir, getClassLoader, getCodeCacheDir, getContentResolver, getDatabasePath, getDataDir, getDir, getExternalCacheDir, getExternalCacheDirs, getExternalFilesDir, getExternalFilesDirs, getExternalMediaDirs, getFilesDir, getFileStreamPath, getMainLooper, getNoBackupFilesDir, getObbDir, getObbDirs, getPackageCodePath, getPackageManager, getPackageName, getPackageResourcePath, getSharedPreferences, getSystemServiceName, getWallpaper, getWallpaperDesiredMinimumHeight, getWallpaperDesiredMinimumWidth, grantUriPermission, isDeviceProtectedStorage, isRestricted,**

**104**

**moveDatabaseFrom, moveSharedPreferencesFrom, openFileInput, openFileOutput, openOrCreateDatabase, openOrCreateDatabase, peekWallpaper, registerReceiver, registerReceiver, removeStickyBroadcast, removeStickyBroadcastAsUser, revokeUriPermission, sendBroadcast, sendBroadcast, sendBroadcastAsUser, sendBroadcastAsUser, sendOrderedBroadcast, sendOrderedBroadcast, sendOrderedBroadcastAsUser, sendStickyBroadcast, sendStickyBroadcastAsUser, sendStickyOrderedBroadcast, sendStickyOrderedBroadcastAsUser, setWallpaper, setWallpaper, startInstrumentation, startService, stopService, unbindService, unregisterReceiver**

**à**

**Methods inherited from class android.content.Context**

**getColor, getColorStateList, getDrawable, getString, getString, getSystemService, getText, obtainStyledAttributes, obtainStyledAttributes, obtainStyledAttributes, obtainStyledAttributes, registerComponentCallbacks, unregisterComponentCallbacks**

**à**

**Methods inherited from class java.lang.Object**

**clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait**

* **¨**

**Field Detail**

**à firebaseAuth**

**private com.google.firebase.auth.FirebaseAuth firebaseAuth**

**Contains the database authentication reference**

**à SPLASH\_TIME\_OUT**

**private static int SPLASH\_TIME\_OUT**

**The time in millisecond this activity should stay active**

**¨**

**Constructor Detail**

**à SplashScreen**

**public SplashScreen()**

**¨**

**Method Detail**

**à onCreate**

**protected void onCreate(android.os.Bundle savedInstanceState)**

**Creates and inflate the visual layout for the activity.**

**105**

**Overrides:**

**onCreate in class android.support.v7.app.AppCompatActivity**

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**ultramirinc.champs\_mood**

**Class TabActivity.SectionsPagerAdapter**

* **java.lang.Object**
* **¨ android.support.v4.view.PagerAdapter**
  + **à android.support.v4.app.FragmentPagerAdapter**

**à× ultramirinc.champs\_mood.TabActivity.SectionsPagerAdapter**

* **Enclosing class:**

[**TabActivity**](#page111)

**public class**

**extends android.support.v4.app.FragmentPagerAdapter**

**A FragmentPagerAdapter that returns a fragment corresponding to one of the sections/tabs/pages.**

**107**

**¨ Field Summary**

**Modifier and Type** **Field and Description**

[**mFragmentList**](#page109)

**private** **Contains a list of all**

**java.util.List<android.support.v4.app.Fragment>** **fragments of the**

**TabActivity**

**à**

**Fields inherited from**

**class android.support.v4.view.PagerAdapter**

**POSITION\_NONE, POSITION\_UNCHANGED**

**¨**

**Constructor Summary**

**Constructor and Description**

[**SectionsPagerAdapter**](#page109)**(android.support.v4.app.FragmentManager fm)**

**¨**

**Method Summary**

**Modifier and Type** **Method and Description**

[**addFragment**](#page109)**(android.support.v4.app.Fragment fragm**

**void**

**Adds a fragment to the list of fragments.**

[**getCount**](#page109)**()**

**int**

**Gets the number of fragments in the list.**

[**getItem**](#page109)**(int position)**

**android.support.v4.app.Fragment Gets a Fragment from the list a given position.**

**à**

**Methods inherited from**

**class android.support.v4.app.FragmentPagerAdapter**

**destroyItem, finishUpdate, getItemId, instantiateItem, isViewFromObject, restoreState, saveState, setPrimaryItem, startUpdate**

**à**

**Methods inherited from**

**class android.support.v4.view.PagerAdapter**

**destroyItem, finishUpdate, getItemPosition, getPageTitle, getPageWidth, instantiateItem, notifyDataSetChanged, registerDataSetObserver, setPrimaryItem, startUpdate, unregisterDataSetObserver**

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* **à Methods inherited from class java.lang.Object**

**clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait**

* **¨**

**Field Detail**

**à mFragmentList**

**private final java.util.List<android.support.v4.app.Fragment> mFragmentList**

**Contains a list of all fragments of the TabActivity**

**¨**

**Constructor Detail**

**à SectionsPagerAdapter**

**public SectionsPagerAdapter(android.support.v4.app.FragmentManager fm)**

**¨**

**Method Detail**

**à addFragment**

**public void addFragment(android.support.v4.app.Fragment fragment)**

**Adds a fragment to the list of fragments.**

**à getItem**

**public android.support.v4.app.Fragment getItem(int position)**

**Gets a Fragment from the list a given position.**

**Specified by:**

**getItem in class android.support.v4.app.FragmentPagerAdapter**

**à getCount**

**public int getCount()**

**Gets the number of fragments in the list.**

**Specified by:**

**getCount in class android.support.v4.view.PagerAdapter**

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**ultramirinc.champs\_mood**

**Class TabActivity**

* **java.lang.Object**
* **¨ android.content.Context**
  + **à android.content.ContextWrapper**

**à × android.view.ContextThemeWrapper × · android.app.Activity**

**·¨ android.support.v4.app.SupportActivity**

**¨à android.support.v4.app.FragmentActivity**

**à× android.support.v7.app.AppCompatActivity**

**×· ultramirinc.champs\_mood.TabActivity**

* **All Implemented Interfaces:**

**android.content.ComponentCallbacks, android.content.ComponentCallbacks2, android.support.v4.app.ActivityCompat.OnRequestPermissionsResultCallback, android.support.v4.app.ActivityCompatApi23.RequestPermissionsRequestCodeValidator, android.support.v4.app.TaskStackBuilder.SupportParentable, android.support.v7.app.ActionBarDrawerToggle.DelegateProvider, android.support.v7.app.AppCompatCallback, android.view.KeyEvent.Callback, android.view.LayoutInflater.Factory, android.view.LayoutInflater.Factory2, android.view.View.OnCreateContextMenuListener, android.view.Window.Callback**

**111**

**public class**

**extends android.support.v7.app.AppCompatActivity**

**Created by Etienne Berube on 2017-03-23. This class is the mainframe of the application. Every function or fragment is link to this class. Here is the heart of the app.**

* **¨**

**Nested Class Summary**

**Modifier and**

**Type**

**Class and Description**

[**TabActivity.SectionsPagerAdapter**](#page107)

**class** **A FragmentPagerAdapter that returns a fragment corresponding to one of the sections/tabs/pages.**

**à**

**Nested classes/interfaces inherited from class android.support.v4.app.SupportActivity**

**android.support.v4.app.SupportActivity.ExtraData**

**¨**

**Field Summary**

**Modifier and Type** **Field and Description**

**private** [**TabActivity.SectionsPagerAdapter**](#page107)

**private** [**MyViewPager**](#page58)

**private android.app.ProgressDialog**

**à**

[**mSectionsPagerAdapter**](#page117)

**Contains a section pager adapter for the activity**

[**mViewPager**](#page116)

**Contains the view pager for the activity**

[**progressDialog**](#page222)

**Contains a progress dialog**

**Fields inherited from class android.app.Activity**

**DEFAULT\_KEYS\_DIALER, DEFAULT\_KEYS\_DISABLE,**

**DEFAULT\_KEYS\_SEARCH\_GLOBAL, DEFAULT\_KEYS\_SEARCH\_LOCAL,**

**DEFAULT\_KEYS\_SHORTCUT, FOCUSED\_STATE\_SET, RESULT\_CANCELED,**

**RESULT\_FIRST\_USER, RESULT\_OK**

**à**

**Fields inherited from class android.content.Context**

**ACCESSIBILITY\_SERVICE, ACCOUNT\_SERVICE, ACTIVITY\_SERVICE,**

**ALARM\_SERVICE, APP\_OPS\_SERVICE, APPWIDGET\_SERVICE, AUDIO\_SERVICE,**

**BATTERY\_SERVICE, BIND\_ABOVE\_CLIENT, BIND\_ADJUST\_WITH\_ACTIVITY,**

**BIND\_ALLOW\_OOM\_MANAGEMENT, BIND\_AUTO\_CREATE, BIND\_DEBUG\_UNBIND,**

**BIND\_EXTERNAL\_SERVICE, BIND\_IMPORTANT, BIND\_NOT\_FOREGROUND,**

**BIND\_WAIVE\_PRIORITY, BLUETOOTH\_SERVICE, CAMERA\_SERVICE,**

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**CAPTIONING\_SERVICE, CARRIER\_CONFIG\_SERVICE, CLIPBOARD\_SERVICE,**

**CONNECTIVITY\_SERVICE, CONSUMER\_IR\_SERVICE, CONTEXT\_IGNORE\_SECURITY,**

**CONTEXT\_INCLUDE\_CODE, CONTEXT\_RESTRICTED, DEVICE\_POLICY\_SERVICE,**

**DISPLAY\_SERVICE, DOWNLOAD\_SERVICE, DROPBOX\_SERVICE,**

**FINGERPRINT\_SERVICE, HARDWARE\_PROPERTIES\_SERVICE,**

**INPUT\_METHOD\_SERVICE, INPUT\_SERVICE, JOB\_SCHEDULER\_SERVICE,**

**KEYGUARD\_SERVICE, LAUNCHER\_APPS\_SERVICE, LAYOUT\_INFLATER\_SERVICE,**

**LOCATION\_SERVICE, MEDIA\_PROJECTION\_SERVICE, MEDIA\_ROUTER\_SERVICE,**

**MEDIA\_SESSION\_SERVICE, MIDI\_SERVICE, MODE\_APPEND,**

**MODE\_ENABLE\_WRITE\_AHEAD\_LOGGING, MODE\_MULTI\_PROCESS,**

**MODE\_NO\_LOCALIZED\_COLLATORS, MODE\_PRIVATE, MODE\_WORLD\_READABLE,**

**MODE\_WORLD\_WRITEABLE, NETWORK\_STATS\_SERVICE, NFC\_SERVICE,**

**NOTIFICATION\_SERVICE, NSD\_SERVICE, POWER\_SERVICE, PRINT\_SERVICE,**

**RESTRICTIONS\_SERVICE, SEARCH\_SERVICE, SENSOR\_SERVICE,**

**SHORTCUT\_SERVICE, STORAGE\_SERVICE, SYSTEM\_HEALTH\_SERVICE,**

**TELECOM\_SERVICE, TELEPHONY\_SERVICE, TELEPHONY\_SUBSCRIPTION\_SERVICE,**

**TEXT\_SERVICES\_MANAGER\_SERVICE, TV\_INPUT\_SERVICE, UI\_MODE\_SERVICE,**

**USAGE\_STATS\_SERVICE, USB\_SERVICE, USER\_SERVICE, VIBRATOR\_SERVICE,**

**WALLPAPER\_SERVICE, WIFI\_P2P\_SERVICE, WIFI\_SERVICE, WINDOW\_SERVICE**

**à**

**Fields inherited from**

**interface android.content.ComponentCallbacks2**

**TRIM\_MEMORY\_BACKGROUND, TRIM\_MEMORY\_COMPLETE, TRIM\_MEMORY\_MODERATE,**

**TRIM\_MEMORY\_RUNNING\_CRITICAL, TRIM\_MEMORY\_RUNNING\_LOW,**

**TRIM\_MEMORY\_RUNNING\_MODERATE, TRIM\_MEMORY\_UI\_HIDDEN**

**¨**

**Constructor Summary**

**Constructor and Description**

[**TabActivity**](#page117)**()**

**¨**

**Method Summary**

**Modifier and**

**Type**

**private void**

**void**

**Method and Description**

[**loadUserInformationSetupViewPager**](#page117)**(**[**MyViewPager**](#page58) **viewPager)**

**Gets user's information from the database and sets up the ViewPager.**

[**onBackPressed**](#page118)**()**

**Quits the application when the back button of the android device is pressed.**

**protected void**

**boolean**

**boolean**

**void**

[**onCreate**](#page222)**(android.os.Bundle savedInstanceState)**

**Creates and inflate the visual layout for the Activity.**

[**onCreateOptionsMenu**](#page117)**(android.view.Menu menu)**

**Inflates the toolbar with a given XML file.**

[**onOptionsItemSelected**](#page117)**(android.view.MenuItem item)**

**Handles the actions when a icon in the toolbar is clicked.**

[**onPause**](#page215)**()**

**Removes the progress dialog when the activity is paused.**

**void** [**removeKeyboard**](#page118)**()**

**113**

**Removes the keyboard from the screen.**

[**setupViewPager**](#page117)**(**[**MyViewPager**](#page58) **viewPager)**

**private void**

**Sets up the ViewPager.**

**à**

**Methods inherited from**

**class android.support.v7.app.AppCompatActivity**

**addContentView, dispatchKeyEvent, findViewById, getDelegate, getDrawerToggleDelegate, getMenuInflater, getResources, getSupportActionBar, getSupportParentActivityIntent, invalidateOptionsMenu, onConfigurationChanged, onContentChanged, onCreateSupportNavigateUpTaskStack, onDestroy, onMenuItemSelected, onMenuOpened, onPanelClosed, onPostCreate, onPostResume, onPrepareSupportNavigateUpTaskStack, onSaveInstanceState, onStart, onStop, onSupportActionModeFinished, onSupportActionModeStarted, onSupportContentChanged, onSupportNavigateUp, onTitleChanged, onWindowStartingSupportActionMode, setContentView, setContentView, setContentView, setSupportActionBar, setSupportProgress, setSupportProgressBarIndeterminate, setSupportProgressBarIndeterminateVisibility, setSupportProgressBarVisibility, setTheme, startSupportActionMode, supportInvalidateOptionsMenu, supportNavigateUpTo, supportRequestWindowFeature, supportShouldUpRecreateTask**

**à**

**Methods inherited from**

**class android.support.v4.app.FragmentActivity**

**dump, getLastCustomNonConfigurationInstance, getSupportFragmentManager, getSupportLoaderManager, getSupportMediaController, onActivityResult, onAttachFragment, onCreatePanelMenu, onLowMemory, onMultiWindowModeChanged, onNewIntent, onPictureInPictureModeChanged, onPrepareOptionsPanel, onPreparePanel, onRequestPermissionsResult, onResume, onResumeFragments, onRetainCustomNonConfigurationInstance, onRetainNonConfigurationInstance, onStateNotSaved, setEnterSharedElementCallback, setExitSharedElementCallback, setSupportMediaController, startActivityForResult, startActivityFromFragment, startActivityFromFragment, startIntentSenderFromFragment, supportFinishAfterTransition, supportPostponeEnterTransition, supportStartPostponedEnterTransition, validateRequestPermissionsRequestCode**

**à**

**Methods inherited from**

**class android.support.v4.app.SupportActivity**

**getExtraData, putExtraData**

**à**

**Methods inherited from class android.app.Activity**

**closeContextMenu, closeOptionsMenu, createPendingResult, dismissDialog, dismissKeyboardShortcutsHelper, dispatchGenericMotionEvent, dispatchKeyShortcutEvent, dispatchPopulateAccessibilityEvent, dispatchTouchEvent, dispatchTrackballEvent, enterPictureInPictureMode, finish, finishActivity, finishActivityFromChild, finishAffinity, finishAfterTransition, finishAndRemoveTask, finishFromChild,**

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**getActionBar, getApplication, getCallingActivity, getCallingPackage, getChangingConfigurations, getComponentName, getContentScene, getContentTransitionManager, getCurrentFocus, getFragmentManager, getIntent, getLastNonConfigurationInstance, getLayoutInflater, getLoaderManager, getLocalClassName, getMediaController, getParent, getParentActivityIntent, getPreferences, getReferrer, getRequestedOrientation, getSearchEvent, getSystemService, getTaskId, getTitle, getTitleColor, getVoiceInteractor, getVolumeControlStream, getWindow, getWindowManager, hasWindowFocus, isChangingConfigurations, isChild, isDestroyed, isFinishing, isImmersive, isInMultiWindowMode, isInPictureInPictureMode, isLocalVoiceInteractionSupported, isTaskRoot, isVoiceInteraction, isVoiceInteractionRoot, managedQuery, moveTaskToBack, navigateUpTo, navigateUpToFromChild, onActionModeFinished, onActionModeStarted, onActivityReenter, onApplyThemeResource, onAttachedToWindow, onAttachFragment, onChildTitleChanged, onContextItemSelected, onContextMenuClosed, onCreate, onCreateContextMenu, onCreateDescription, onCreateDialog, onCreateDialog, onCreateNavigateUpTaskStack, onCreatePanelView, onCreateThumbnail, onDetachedFromWindow, onEnterAnimationComplete, onGenericMotionEvent, onKeyDown, onKeyLongPress, onKeyMultiple, onKeyShortcut, onKeyUp, onLocalVoiceInteractionStarted, onLocalVoiceInteractionStopped, onNavigateUp, onNavigateUpFromChild, onOptionsMenuClosed, onPostCreate, onPrepareDialog, onPrepareDialog, onPrepareNavigateUpTaskStack, onPrepareOptionsMenu, onProvideAssistContent, onProvideAssistData, onProvideKeyboardShortcuts, onProvideReferrer, onRestart, onRestoreInstanceState, onRestoreInstanceState, onSaveInstanceState, onSearchRequested, onSearchRequested, onTouchEvent, onTrackballEvent, onTrimMemory, onUserInteraction, onUserLeaveHint, onVisibleBehindCanceled, onWindowAttributesChanged, onWindowFocusChanged, onWindowStartingActionMode, onWindowStartingActionMode, openContextMenu, openOptionsMenu, overridePendingTransition, postponeEnterTransition, recreate, registerForContextMenu, releaseInstance, removeDialog, reportFullyDrawn, requestDragAndDropPermissions, requestPermissions, requestShowKeyboardShortcuts, requestVisibleBehind, requestWindowFeature, runOnUiThread, setActionBar, setContentTransitionManager, setDefaultKeyMode, setEnterSharedElementCallback, setExitSharedElementCallback, setFeatureDrawable, setFeatureDrawableAlpha, setFeatureDrawableResource, setFeatureDrawableUri, setFinishOnTouchOutside, setImmersive, setIntent, setMediaController, setProgress, setProgressBarIndeterminate, setProgressBarIndeterminateVisibility, setProgressBarVisibility, setRequestedOrientation, setResult, setResult, setSecondaryProgress, setTaskDescription, setTitle, setTitle, setTitleColor, setVisible, setVolumeControlStream, setVrModeEnabled, shouldShowRequestPermissionRationale, shouldUpRecreateTask, showAssist, showDialog, showDialog, showLockTaskEscapeMessage, startActionMode, startActionMode, startActivities, startActivities, startActivity, startActivity, startActivityFromChild, startActivityFromChild, startActivityFromFragment, startActivityFromFragment, startActivityIfNeeded, startActivityIfNeeded, startIntentSender, startIntentSender, startIntentSenderFromChild, startIntentSenderFromChild, startLocalVoiceInteraction, startLockTask, startManagingCursor, startNextMatchingActivity, startNextMatchingActivity, startPostponedEnterTransition, startSearch, stopLocalVoiceInteraction, stopLockTask, stopManagingCursor, takeKeyEvents, triggerSearch, unregisterForContextMenu**

**115**

* **Methods inherited from**

**class android.view.ContextThemeWrapper**

**applyOverrideConfiguration, attachBaseContext, getAssets, getTheme**

**à**

**Methods inherited from**

**class android.content.ContextWrapper**

**bindService, checkCallingOrSelfPermission, checkCallingOrSelfUriPermission, checkCallingPermission, checkCallingUriPermission, checkPermission, checkSelfPermission, checkUriPermission, checkUriPermission, clearWallpaper, createConfigurationContext, createDeviceProtectedStorageContext, createDisplayContext, createPackageContext, databaseList, deleteDatabase, deleteFile, deleteSharedPreferences, enforceCallingOrSelfPermission, enforceCallingOrSelfUriPermission, enforceCallingPermission, enforceCallingUriPermission, enforcePermission, enforceUriPermission, enforceUriPermission, fileList, getApplicationContext, getApplicationInfo, getBaseContext, getCacheDir, getClassLoader, getCodeCacheDir, getContentResolver, getDatabasePath, getDataDir, getDir, getExternalCacheDir, getExternalCacheDirs, getExternalFilesDir, getExternalFilesDirs, getExternalMediaDirs, getFilesDir, getFileStreamPath, getMainLooper, getNoBackupFilesDir, getObbDir, getObbDirs, getPackageCodePath, getPackageManager, getPackageName, getPackageResourcePath, getSharedPreferences, getSystemServiceName, getWallpaper, getWallpaperDesiredMinimumHeight, getWallpaperDesiredMinimumWidth, grantUriPermission, isDeviceProtectedStorage, isRestricted, moveDatabaseFrom, moveSharedPreferencesFrom, openFileInput, openFileOutput, openOrCreateDatabase, openOrCreateDatabase, peekWallpaper, registerReceiver, registerReceiver, removeStickyBroadcast, removeStickyBroadcastAsUser, revokeUriPermission, sendBroadcast, sendBroadcast, sendBroadcastAsUser, sendBroadcastAsUser, sendOrderedBroadcast, sendOrderedBroadcast, sendOrderedBroadcastAsUser, sendStickyBroadcast, sendStickyBroadcastAsUser, sendStickyOrderedBroadcast, sendStickyOrderedBroadcastAsUser, setWallpaper, setWallpaper, startInstrumentation, startService, stopService, unbindService, unregisterReceiver**

**à**

**Methods inherited from class android.content.Context**

**getColor, getColorStateList, getDrawable, getString, getString, getSystemService, getText, obtainStyledAttributes, obtainStyledAttributes, obtainStyledAttributes, obtainStyledAttributes, registerComponentCallbacks, unregisterComponentCallbacks**

**à**

**Methods inherited from class java.lang.Object**

**clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait**

* **¨**

**Field Detail**

**116**

**à mViewPager**

**private** [**MyViewPager**](#page58) **mViewPager**

**Contains the view pager for the activity**

**à mSectionsPagerAdapter**

**private** [**TabActivity.SectionsPagerAdapter**](#page107) **mSectionsPagerAdapter**

**Contains a section pager adapter for the activity**

**à progressDialog**

**private android.app.ProgressDialog progressDialog**

**Contains a progress dialog**

**¨**

**Constructor Detail**

**à TabActivity**

**public TabActivity()**

**¨**

**Method Detail**

**à onCreate**

**protected void onCreate(android.os.Bundle savedInstanceState)**

**Creates and inflate the visual layout for the Activity.**

**Overrides:**

**onCreate in class android.support.v7.app.AppCompatActivity**

**à loadUserInformationSetupViewPager**

**private void loadUserInformationSetupViewPager(**[**MyViewPager**](#page58) **viewPager)**

**Gets user's information from the database and sets up the ViewPager.**

**à setupViewPager**

**private void setupViewPager(**[**MyViewPager**](#page58) **viewPager)**

**Sets up the ViewPager.**

**à onCreateOptionsMenu**

**public boolean onCreateOptionsMenu(android.view.Menu menu)**

**Inflates the toolbar with a given XML file.**

**Overrides:**

**onCreateOptionsMenu in class android.app.Activity**

**117**

**à onOptionsItemSelected**

**public boolean onOptionsItemSelected(android.view.MenuItem item)**

**Handles the actions when a icon in the toolbar is clicked.**

**Overrides:**

**onOptionsItemSelected in class android.app.Activity**

**à removeKeyboard**

**public void removeKeyboard()**

**Removes the keyboard from the screen.**

**à onPause**

**public void onPause()**

**Removes the progress dialog when the activity is paused.**

**Overrides:**

**onPause in class android.support.v4.app.FragmentActivity**

**à onBackPressed**

**public void onBackPressed()**

**Quits the application when the back button of the android device is pressed.**

**Overrides:**

**onBackPressed in class android.support.v4.app.FragmentActivity**

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**ultramirinc.champs\_mood.models**

**Class Break**

* **java.lang.Object**
* **¨ ultramirinc.champs\_mood.models.Break**
* **All Implemented Interfaces: java.lang.Comparable<**[**Break**](#page120)**>**

**public class**

**extends java.lang.Object**

**implements java.lang.Comparable<**[**Break**](#page120)**>**

**Created by Etienne Berube on 2017-03-28. This is the object that contains all the information and methods for a Break**

**120**

**¨ Field Summary**

|  |  |  |
| --- | --- | --- |
| **Modifier and Type** | **Field and Description** |  |
| **private java.lang.String** | [**day**](#page122) |  |
| **The day of the break** |  |
| **private** [**Time**](#page141) | [**end**](#page122) |  |
| **Contains the at which the break ends** |  |
|  |  |
| **private java.lang.String** | [**Id**](#page133) |  |
| **The Id of the Break** |  |
| **private int** | [**intDay**](#page122) |  |
| **The integer representation of the day** |  |
|  |  |
| **private** [**Time**](#page141) | [**start**](#page122) |  |
| **Contains the time at which the break starts** |  |
|  |  |
| **private java.lang.String** | [**userId**](#page122) |  |
| **The user's ID in the database** |  |

**¨**

**Constructor Summary**

**Constructor and Description**

[**Break**](#page123)**()**

[**Break**](#page123)**(**[**Time**](#page141) **start,** [**Time**](#page141) **end, java.lang.String day, java.lang.String relatedUserId)**

**¨**

**Method Summary**

**Modifier and Type** **Method and Description**

**int**

**boolean**

**java.lang.String**

[**Time**](#page141)

**java.lang.String**

**java.lang.String**

**int**

[**Time**](#page141)

[**compareTo**](#page124)**(**[**Break**](#page120) **o)**

**Determines is a break is before or after another break.**

[**equals**](#page124)**(java.lang.Object o)**

**Returns whether or not two breaks are the same.**

[**getDay**](#page124)**()**

**Getter for the day.**

[**getEnd**](#page123)**()**

**Getter for the end time.**

[**getFromTime**](#page123)**()**

**Returns a string interpretation of the starting time.**

[**getId**](#page149)**()**

**Getter for ID.**

[**getIntDay**](#page124)**()**

**Getter for the integer representation of the day.**

[**getStart**](#page123)**()**

**Getter for the starting time.**

**Time** [**getTimeDifference**](#page125)**()**

**121**

**·** **Returns the time difference between two breaks.**

**java.lang.String**

**java.lang.String**

**void**

**void**

**void**

**void**

**void**

**void**

**à**

[**getToTime**](#page124)**()**

**Returns a string interpretation of the ending time.**

[**getUserId**](#page124)**()**

**Getter for the UserID**

[**setDay**](#page124)**(java.lang.String day)**

**Setter for the day.**

[**setEnd**](#page124)**(**[**Time**](#page141) **end)**

**Setter for the end time.**

[**setId**](#page150)**(java.lang.String id)**

**Setter for ID.**

[**setIntDay**](#page124)**(int intDay)**

**Setter for the integer representation of the day.**

[**setStart**](#page123)**(**[**Time**](#page141) **start)**

**Setter for the starting time.**

[**setUserId**](#page124)**(java.lang.String userId)**

**Setter for the the UserID**

**Methods inherited from class java.lang.Object**

**clone, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait**

* **¨**

**Field Detail**

**à start**

**private** [**Time**](#page141) **start**

**Contains the time at which the break starts**

**à end**

**private** [**Time**](#page141) **end**

**Contains the at which the break ends**

**à day**

**private java.lang.String day**

**The day of the break**

**à userId**

**private java.lang.String userId**

**The user's ID in the database**

**122**

**à intDay**

**private int intDay**

**The integer representation of the day**

**à Id**

**private java.lang.String Id**

**The Id of the Break**

**¨**

**Constructor Detail**

**à Break**

**public Break()**

**à Break**

**public Break(**[**Time**](#page141) **start,** [**Time**](#page141) **end,**

**java.lang.String day, java.lang.String relatedUserId)**

**¨**

**Method Detail**

**à setId**

**public void setId(java.lang.String id)**

**Setter for ID.**

**à getId**

**public java.lang.String getId()**

**Getter for ID.**

**à getStart**

**public** [**Time**](#page141) **getStart()**

**Getter for the starting time.**

**à setStart**

**public void setStart(**[**Time**](#page141) **start)**

**Setter for the starting time.**

**à getFromTime**

**public java.lang.String getFromTime()**

**Returns a string interpretation of the starting time.**

**123**

**à getEnd**

**public** [**Time**](#page141) **getEnd()**

**Getter for the end time.**

**à setEnd**

**public void setEnd(**[**Time**](#page141) **end)**

**Setter for the end time.**

**à getToTime**

**public java.lang.String getToTime()**

**Returns a string interpretation of the ending time.**

**à getDay**

**public java.lang.String getDay()**

**Getter for the day.**

**à setDay**

**public void setDay(java.lang.String day)**

**Setter for the day.**

**à getIntDay**

**public int getIntDay()**

**Getter for the integer representation of the day.**

**à setIntDay**

**public void setIntDay(int intDay)**

**Setter for the integer representation of the day.**

**à getUserId**

**public java.lang.String getUserId()**

**Getter for the UserID**

**à setUserId**

**public void setUserId(java.lang.String userId)**

**Setter for the the UserID**

**à equals**

**public boolean equals(java.lang.Object o)**

**Returns whether or not two breaks are the same. Overrides:**

**equals in class java.lang.Object**

**124**

**à compareTo**

**public int compareTo(@NonNull**

[**Break**](#page120) **o)**

**Determines is a break is before or after another break.**

**Specified by:**

**compareTo in interface java.lang.Comparable<**[**Break**](#page120)**>**

**à getTimeDifference**

**public** [**Time**](#page141) **getTimeDifference()**

**Returns the time difference between two breaks.**

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**ultramirinc.champs\_mood.models**

**Class MyLocation**

* **java.lang.Object**
* **¨ ultramirinc.champs\_mood.models.MyLocation**

**·**

**public class**

**extends java.lang.Object**

**Created by Etienne Berube on 2017-05-10. This class acts as an alternative to the LatLng object provided by Google. However, the LatLng object cannot be stored in the database. Thus, we created this object.**

* **¨**

**Field Summary**

**Modifier and Type** **Field and**

**126**

**Description**

[**lat**](#page127)

**private double**

**A latitude**

[**lng**](#page127)

**private double**

**A longitude**

**¨**

**Constructor Summary**

**Constructor and Description**

[**MyLocation**](#page128)**()**

[**MyLocation**](#page128)**(double lat, double lng)**

**¨**

**Method Summary**

**Modifier and Type Method and Description**

[**getLat**](#page128)**()**

**double**

**Getter for the latitude.**

[**getLng**](#page128)**()**

**double**

**Getter for the longitude.**

[**setLat**](#page128)**(double lat)**

**void**

**Setter for the latitude.**

[**setLng**](#page128)**(double lng)**

**void**

**Setter for the longitude.**

**à**

**Methods inherited from class java.lang.Object**

**clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait**

* **¨**

**Field Detail**

**à lat**

**private double lat**

**A latitude**

* **lng**

**private double lng**

**A longitude**

**127**

**¨ Constructor Detail**

**à MyLocation**

**public MyLocation()**

**à MyLocation**

**public MyLocation(double lat, double lng)**

**¨**

**Method Detail**

**à getLat**

**public double getLat()**

**Getter for the latitude.**

**à setLat**

**public void setLat(double lat)**

**Setter for the latitude.**

**à getLng**

**public double getLng()**

**Getter for the longitude.**

**à setLng**

**public void setLng(double lng)**

**Setter for the longitude.**

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**ultramirinc.champs\_mood.models**

**Class Notification**

* **java.lang.Object**
* **¨ ultramirinc.champs\_mood.models.Notification**

**·**

**public class**

**extends java.lang.Object**

**Created by William on 2017-04-06. This object contains all of the information or methods for a Notification**

* **¨**

**Field Summary**

**Modifier and Type** **Field and Description**

**private static int** [**FRIEND\_REQUEST**](#page132)

**130**

**The code for a friend request**

[**id**](#page133)

**private java.lang.String The Id of the notification**

[**isFriend**](#page200)

**private boolean**

**Whether or not one user is friend with the other**

[**message**](#page133)

**private java.lang.String The message of the notification**

[**NOW\_FRIEND**](#page132)

**private static int**

**The code for a friend acceptation**

[**POKED\_YOU**](#page138)

**private static int**

**The code for a poke**

[**recipientId**](#page133)

**private java.lang.String The Id of the recipient**

[**senderId**](#page133)

**private java.lang.String The Id of the sender**

[**sentBy**](#page132)

**private java.lang.String The sending user**

[**type**](#page132)

**private int**

**The type of the notification**

**¨**

**Constructor Summary**

**Constructor and Description**

[**Notification**](#page133)**()**

[**Notification**](#page133)**(java.lang.String sentBy, int type, boolean isFriend, java.lang.String senderId, java.lang.String recipientId)**

**¨**

**Method Summary**

**Modifier and Type** **Method and Description**

**java.lang.String**

**java.lang.String**

**java.lang.String**

**java.lang.String**

**java.lang.String**

**java.lang.String**

**int**

[**getFriendStatus**](#page135)**()**

**Returns whether or not two user's are friends.**

[**getId**](#page149)**()**

**Getter for the notification Id.**

[**getMessage**](#page134)**()**

**Getter for the message of the notification.**

[**getRecipientId**](#page134)**()**

**Getter for the recipient Id.**

[**getSenderId**](#page134)**()**

**Getter for the sender Id.**

[**getSentBy**](#page133)**()**

**Getter for the sender's name.**

[**getType**](#page134)**()**

**Getter for the type of the notification.**

**131**

**boolean**

**void**

**void**

**void**

**void**

**void**

**void**

**void**

**à**

[**isFriend**](#page152)**()**

**Getter for whether or not they are friends.**

[**setFriend**](#page152)**(boolean friend)**

**Setter for whether or not they are friends.**

[**setId**](#page150)**(java.lang.String id)**

**Setter for the notification Id.**

[**setMessage**](#page134)**(java.lang.String message)**

**Setter for the message of the notification.**

[**setRecipientId**](#page135)**(java.lang.String recipientId)**

**Setter for the recipient Id.**

[**setSenderId**](#page134)**(java.lang.String senderId)**

**Setter for the sender Id.**

[**setSentBy**](#page134)**(java.lang.String sentBy)**

**Setter for the sender's name.**

[**setType**](#page134)**(int type)**

**Setter for the type of the notification.**

**Methods inherited from class java.lang.Object**

**clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait**

* **¨**

**Field Detail**

**à sentBy**

**private java.lang.String sentBy**

**The sending user**

**à type**

**private int type**

**The type of the notification**

**à FRIEND\_REQUEST**

**private static final int FRIEND\_REQUEST**

**The code for a friend request**

**See Also:**

[**Constant Field Values**](#ultramirinc.champs_mood.models.Notification.FRIEND_REQUEST)

**à NOW\_FRIEND**

**private static final int NOW\_FRIEND**

**The code for a friend acceptation**

**See Also:**

[**Constant Field Values**](#ultramirinc.champs_mood.models.Notification.NOW_FRIEND)

**132**

**à POKED\_YOU**

**private static final int POKED\_YOU**

**The code for a poke**

**See Also:**

[**Constant Field Values**](#ultramirinc.champs_mood.models.Notification.POKED_YOU)

**à message**

**private java.lang.String message**

**The message of the notification**

**à id**

**private java.lang.String id**

**The Id of the notification**

**à recipientId**

**private java.lang.String recipientId**

**The Id of the recipient**

**à senderId**

**private java.lang.String senderId**

**The Id of the sender**

**à isFriend**

**private boolean isFriend**

**Whether or not one user is friend with the other**

**¨**

**Constructor Detail**

**à Notification**

**public Notification()**

**à Notification**

**public Notification(java.lang.String sentBy, int type,**

**boolean isFriend, java.lang.String senderId, java.lang.String recipientId)**

**¨**

**Method Detail**

**133**

**à getSentBy**

**public java.lang.String getSentBy()**

**Getter for the sender's name.**

**à setSentBy**

**public void setSentBy(java.lang.String sentBy)**

**Setter for the sender's name.**

**à getType**

**public int getType()**

**Getter for the type of the notification.**

**à setType**

**public void setType(int type)**

**Setter for the type of the notification.**

**à getMessage**

**public java.lang.String getMessage()**

**Getter for the message of the notification.**

**à setMessage**

**public void setMessage(java.lang.String message)**

**Setter for the message of the notification.**

**à isFriend**

**public boolean isFriend()**

**Getter for whether or not they are friends.**

**à setFriend**

**public void setFriend(boolean friend)**

**Setter for whether or not they are friends.**

**à getSenderId**

**public java.lang.String getSenderId()**

**Getter for the sender Id.**

**à setSenderId**

**public void setSenderId(java.lang.String senderId)**

**Setter for the sender Id.**

**134**

**à getRecipientId**

**public java.lang.String getRecipientId()**

**Getter for the recipient Id.**

**à setRecipientId**

**public void setRecipientId(java.lang.String recipientId)**

**Setter for the recipient Id.**

**à setId**

**public void setId(java.lang.String id)**

**Setter for the notification Id.**

**à getId**

**public java.lang.String getId()**

**Getter for the notification Id.**

**à getFriendStatus**

**public java.lang.String getFriendStatus()**

**Returns whether or not two user's are friends.**

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**ultramirinc.champs\_mood.models**

**Enum Notification\_type**

* **java.lang.Object**
* **¨ java.lang.Enum<**[**Notification\_type**](#page137)**>**
  + **à ultramirinc.champs\_mood.models.Notification\_type**
* **All Implemented Interfaces:**

**java.io.Serializable, java.lang.Comparable<**[**Notification\_type**](#page137)**>**

**public enum**

**extends java.lang.Enum<**[**Notification\_type**](#page137)**>**

**Created by Amir Osman on 2017-05-02. This class helps manage the notifications**

* **¨**

**Enum Constant Summary**

**137**

**Enum Constant and Description**

[**followed\_you**](#page138)

[**poked\_you**](#page138)

**¨**

**Field Summary**

**Modifier and Type** **Field and Description**

[**numVal**](#page138)

**private int**

**The actual integer value**

**¨**

**Method Summary**

**Modifier and Type**

**int**

**static** [**Notification\_type**](#page137)

**static** [**Notification\_type**](#page137)**[]**

**à**

**Method and Description**

[**getNumVal**](#page139)**()**

**Returns the code for the notification type.**

[**valueOf**](#page139)**(java.lang.String name)**

**Returns the enum constant of this type with the specified name.**

[**values**](#page139)**()**

**Returns an array containing the constants of this enum type, in the order they are declared.**

**Methods inherited from class java.lang.Enum**

**clone, compareTo, equals, finalize, getDeclaringClass, hashCode, name, ordinal, toString, valueOf**

**à**

**Methods inherited from class java.lang.Object**

**getClass, notify, notifyAll, wait, wait, wait**

* **¨**

**Enum Constant Detail**

**à followed\_you**

**public static final** [**Notification\_type**](#page137) **followed\_you**

**à poked\_you**

**public static final** [**Notification\_type**](#page137) **poked\_you**

**¨**

**Field Detail**

**138**

**à numVal**

**private int numVal**

**The actual integer value**

**¨**

**Method Detail**

**à values**

**public static** [**Notification\_type**](#page137)**[] values()**

**Returns an array containing the constants of this enum type, in the order they are declared. This method may be used to iterate over the constants as follows:**

**for** **(Notification\_type c : Notification\_type.values()) System.out.println(c);**

**Returns:**

**an array containing the constants of this enum type, in the order they are declared**

**à valueOf**

**public static** [**Notification\_type**](#page137) **valueOf(java.lang.String name)**

**Returns the enum constant of this type with the specified name. The string must match *exactly* an identifier used to declare an enum constant in this type. (Extraneous whitespace characters are not permitted.)**

**Parameters:**

**name - the name of the enum constant to be returned. Returns:**

**the enum constant with the specified name Throws:**

**java.lang.IllegalArgumentException - if this enum type has no constant**

**with the specified name**

**java.lang.NullPointerException - if the argument is null**

**à getNumVal**

**public int getNumVal()**

**Returns the code for the notification type.**

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**ultramirinc.champs\_mood.models**

**Class Time**

* **java.lang.Object**
* **¨ ultramirinc.champs\_mood.models.Time**
* **All Implemented Interfaces: java.lang.Comparable<**[**Time**](#page141)**>**

**public class**

**extends java.lang.Object**

**implements java.lang.Comparable<**[**Time**](#page141)**>**

**Created by Etienne Berube on 2017-04-04. This class helps to do calculations with the breaks**

* **¨**

**Field Summary**

**Modifier and Type** **Field and Description**

**141**

[**hour**](#page142)

**private int**

**The hour of the time**

[**minute**](#page142)

**private int**

**The minutes of the time**

**¨**

**Constructor Summary**

**Constructor and Description**

[**Time**](#page143)**()**

[**Time**](#page143)**(int hour, int minute)**

**¨**

**Method Summary**

**Modifier and Type** **Method and Description**

**int**

**int**

**int**

**void**

**void**

**java.lang.String**

**à**

[**compareTo**](#page143)**(**[**Time**](#page141) **o)**

**Returns if a Time is before or after another time.**

[**getHour**](#page143)**()**

**Getter for the hour.**

[**getMinute**](#page143)**()**

**Getter for the minutes.**

[**setHour**](#page143)**(int hour)**

**Setter for the hour.**

[**setMinute**](#page143)**(int minute)**

**Setter for the minutes.**

[**toString**](#page143)**()**

**Returns a String representation of a time.**

**Methods inherited from class java.lang.Object**

**clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait**

* **¨**

**Field Detail**

**à minute**

**private int minute**

**The minutes of the time**

**à hour**

**private int hour**

**The hour of the time**

**142**

**¨ Constructor Detail**

**à Time**

**public Time()**

**à Time**

**public Time(int hour, int minute)**

**¨**

**Method Detail**

**à getHour**

**public int getHour()**

**Getter for the hour.**

**à setHour**

**public void setHour(int hour)**

**Setter for the hour.**

**à getMinute**

**public int getMinute()**

**Getter for the minutes.**

**à setMinute**

**public void setMinute(int minute)**

**Setter for the minutes.**

**à compareTo**

**public int compareTo(@NonNull**

[**Time**](#page141) **o)**

**Returns if a Time is before or after another time.**

**Specified by:**

**compareTo in interface java.lang.Comparable<**[**Time**](#page141)**>**

**à toString**

**public java.lang.String toString()**

**Returns a String representation of a time.**

**Overrides:**

**toString in class java.lang.Object**

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**ultramirinc.champs\_mood.models**

**Class User**

* **java.lang.Object**
* **¨ ultramirinc.champs\_mood.models.User**

**·**

**public class**

**extends java.lang.Object**

**Created by Amir Osman on 2017-04-23. This is the template for a typical user.**

* **¨**

**Field Summary**

|  |  |  |
| --- | --- | --- |
| **Modifier and Type** | **Field and Description** |  |
| **private java.util.ArrayList<**[**Break**](#page120)**>** | [**breaks**](#page149) |  |
|  | **A list of his breaks** |  |
|  |  |  |

**145**

**private java.lang.String**

**private int**

**private java.util.ArrayList<java.lang.String>**

**static int**

**private boolean**

**private boolean**

**private** [**MyLocation**](#page126)

**private java.lang.String**

**private java.lang.String**

**private java.lang.String**

**static int**

**private java.lang.String**

**¨**

**Constructor Summary**

**Constructor and Description**

[**User**](#page149)**()**

[**breakText**](#page149)

**The break text of the user**

[**floor**](#page149)

**The floor of the user**

[**friendList**](#page149)

**A list of his friends**

[**IN\_BREAK**](#page148)

**Code for if the user is in break**

[**isFriend**](#page200)

**Whether he is a friend or not with another user**

[**isLocationShared**](#page148)

**If the user's location is shared**

[**lastLocation**](#page149)

**The user's location**

[**mood**](#page148)

**The mood of the user**

[**name**](#page148)

**The user's name**

[**nameLowered**](#page148)

**The user's name lowered**

[**NOT\_IN\_BREAK**](#page148)

**Code for if the user is not in break**

[**uId**](#page148)

**The user's Id**

[**User**](#page149)**(java.lang.String userId, java.lang.String name)**

**¨**

**Method Summary**

**Modifier and Type**

**boolean**

**boolean**

**java.util.ArrayList<**[**Break**](#page120)**>**

**java.lang.String**

**Method and Description**

[**addToFriendList**](#page150)**(java.lang.String userId)**

**Adds a user to the friendList.**

[**addToFriendList**](#page150)**(**[**User**](#page145) **user)**

**Adds a user to the friendList.**

[**getBreaks**](#page151)**()**

**Gets the user's breaks.**

[**getBreakStatus**](#page150)**()**

**Getter for the break status.**

**java.lang.String** [**getBreakText**](#page151)**()**

**146**

**int**

**java.util.ArrayList<java.lang.String>**

**java.lang.String**

**java.lang.String**

[**MyLocation**](#page126)

**java.lang.String**

**java.lang.String**

**java.lang.String**

**java.lang.String**

**boolean**

**boolean**

**boolean**

**boolean**

**boolean**

**void**

**void**

**void**

**void**

**void**

**void**

**void**

**void**

**void**

**Getter for the breakText.**

[**getFloor**](#page152)**()**

**Getter for the user's floor.**

[**getFriendList**](#page150)**()**

**Returns the friendList of the user.**

[**getFriendStatus**](#page151)**(**[**User**](#page145) **user)**

**Gets the friend status.**

[**getId**](#page149)**()**

**Getter for the user's id.**

[**getLastLocation**](#page152)**()**

**Getter for the user's location.**

[**getMood**](#page150)**()**

**Getter for the mood.**

[**getName**](#page150)**()**

**Getter for the user's name.**

[**getNameLowered**](#page152)**()**

**Gets the user's name lowered**

[**getuId**](#page151)**()**

**Gets the user Id.**

[**isFriend**](#page152)**()**

**Getter for isFriend.**

[**isFriend**](#page151)**(java.lang.String userId)**

**Returns whether or not the user is friend with another**

[**isFriend**](#page150)**(**[**User**](#page145) **user)**

**Returns whether or not the user is friend with another**

[**isLocationShared**](#page151)**()**

**Getter for isLocationShared.**

[**removeFromFriendList**](#page152)**(**[**User**](#page145) **user)**

**Removes a user from the user's friendList**

[**setBreaks**](#page151)**(java.util.ArrayList<**[**Break**](#page120)**> breaks**

**Sets the user's breaks.**

[**setBreakText**](#page201)**(java.lang.String breakText)**

**Setter for the breakText.**

[**setFloor**](#page152)**(int floor)**

**Setter for the user's floor.**

[**setFriend**](#page152)**(boolean friend)**

**Setter for isFriend.**

[**setFriendList**](#page152)**(java.util.ArrayList<java.lang**

**Sets the user's friendList.**

[**setId**](#page150)**(java.lang.String id)**

**Setter's for the user's id.**

[**setLastLocation**](#page152)**(**[**MyLocation**](#page126) **lastLocation)**

**Setter for the user's location.**

[**setLocationShared**](#page151)**(boolean locationShared)**

**Setter for isLocationShared.**

[**setMood**](#page214)**(java.lang.String mood)**

**147**

**Setter for the mood.**

[**setName**](#page150)**(java.lang.String name)**

**void**

**Setter for the user's name.**

[**setNameLowered**](#page152)**(java.lang.String nameLowered**

**void**

**Sets the user's name lowered**

[**setuId**](#page151)**(java.lang.String uId)**

**void**

**Sets the user Id.**

**à**

**Methods inherited from class java.lang.Object**

**clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait**

* **¨**

**Field Detail**

**à IN\_BREAK**

**public static final int IN\_BREAK**

**Code for if the user is in break**

**See Also:**

[**Constant Field Values**](#ultramirinc.champs_mood.models.User.IN_BREAK)

**à NOT\_IN\_BREAK**

**public static final int NOT\_IN\_BREAK**

**Code for if the user is not in break**

**See Also:**

[**Constant Field Values**](#ultramirinc.champs_mood.models.User.NOT_IN_BREAK)

**à uId**

**private java.lang.String uId**

**The user's Id**

**à name**

**private java.lang.String name**

**The user's name**

**à nameLowered**

**private java.lang.String nameLowered**

**The user's name lowered**

**à mood**

**private java.lang.String mood**

**The mood of the user**

**148**

**à isLocationShared**

**private boolean isLocationShared**

**If the user's location is shared**

**à breakText**

**private java.lang.String breakText**

**The break text of the user**

**à isFriend**

**private boolean isFriend**

**Whether he is a friend or not with another user**

**à friendList**

**private java.util.ArrayList<java.lang.String> friendList**

**A list of his friends**

**à breaks**

**private java.util.ArrayList<**[**Break**](#page120)**> breaks**

**A list of his breaks**

**à lastLocation**

**private** [**MyLocation**](#page126) **lastLocation**

**The user's location**

**à floor**

**private int floor**

**The floor of the user**

**¨**

**Constructor Detail**

**à User**

**public User()**

**à User**

**public User(java.lang.String userId, java.lang.String name)**

**¨**

**Method Detail**

**149**

**à getId**

**public java.lang.String getId()**

**Getter for the user's id.**

**à setId**

**public void setId(java.lang.String id)**

**Setter's for the user's id.**

**à getName**

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

**Getter for the user's name.**

**à setName**

**public void setName(java.lang.String name)**

**Setter for the user's name.**

**à getMood**

**public java.lang.String getMood()**

**Getter for the mood.**

**à setMood**

**public void setMood(java.lang.String mood)**

**Setter for the mood.**

**à addToFriendList**

**public boolean addToFriendList(**[**User**](#page145) **user)**

**Adds a user to the friendList.**

**à addToFriendList**

**public boolean addToFriendList(java.lang.String userId)**

**Adds a user to the friendList.**

**à getFriendList**

**public java.util.ArrayList<java.lang.String> getFriendList()**

**Returns the friendList of the user.**

**à getBreakStatus**

**public java.lang.String getBreakStatus()**

**Getter for the break status.**

**150**

**à isFriend**

**public boolean isFriend(**[**User**](#page145) **user)**

**Returns whether or not the user is friend with another user.**

**à isFriend**

**public boolean isFriend(java.lang.String userId)**

**Returns whether or not the user is friend with another user.**

**à getFriendStatus**

**public java.lang.String getFriendStatus(**[**User**](#page145) **user)**

**Gets the friend status.**

**à setBreakText**

**public void setBreakText(java.lang.String breakText)**

**Setter for the breakText.**

**à getBreakText**

**public java.lang.String getBreakText()**

**Getter for the breakText.**

**à getBreaks**

**public java.util.ArrayList<**[**Break**](#page120)**> getBreaks()**

**Gets the user's breaks.**

**à setBreaks**

**public void setBreaks(java.util.ArrayList<**[**Break**](#page120)**> breaks)**

**Sets the user's breaks.**

**à getuId**

**public java.lang.String getuId()**

**Gets the user Id.**

**à setuId**

**public void setuId(java.lang.String uId)**

**Sets the user Id.**

**à isLocationShared**

**public boolean isLocationShared()**

**Getter for isLocationShared.**

**151**

**à setLocationShared**

**public void setLocationShared(boolean locationShared)**

**Setter for isLocationShared.**

**à isFriend**

**public boolean isFriend()**

**Getter for isFriend.**

**à setFriend**

**public void setFriend(boolean friend)**

**Setter for isFriend.**

**à setFriendList**

**public void setFriendList(java.util.ArrayList<java.lang.String> friendList)**

**Sets the user's friendList.**

**à getLastLocation**

**public** [**MyLocation**](#page126) **getLastLocation()**

**Getter for the user's location.**

**à setLastLocation**

**public void setLastLocation(**[**MyLocation**](#page126) **lastLocation)**

**Setter for the user's location.**

**à getFloor**

**public int getFloor()**

**Getter for the user's floor.**

**à setFloor**

**public void setFloor(int floor)**

**Setter for the user's floor.**

**à removeFromFriendList**

**public boolean removeFromFriendList(**[**User**](#page145) **user)**

**Removes a user from the user's friendList**

**à getNameLowered**

**public java.lang.String getNameLowered()**

**Gets the user's name lowered**

**152**

**à setNameLowered**

**public void setNameLowered(java.lang.String nameLowered)**

**Sets the user's name lowered**

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**ultramirinc.champs\_mood.managers**

**Class NotificationManager**

* **java.lang.Object**
* **¨ ultramirinc.champs\_mood.managers.NotificationManager**

**·**

**public class**

**extends java.lang.Object**

**Created by Amir Osman on 2017-05-02. This class manages the user's notification. This acts as a bridge between the database and the device.**

* **¨**

**Field Summary**

**Modifier and Type** **Field and Description**

**com.google.firebase.database.DatabaseReference** [**databaseNotifications**](#page155)

**154**

**A reference to the current database used**

**¨**

**Constructor Summary**

**Constructor and Description**

[**NotificationManager**](#page155)**()**

**¨**

**Method Summary**

**Modifier and Type** **Method and Description**

[**deleteNotificaton**](#page155)**(**[**Notification**](#page130) **n)**

**void**

**Deletes the notification from the database**

[**saveNotification**](#page155)**(**[**Notification**](#page130) **n)**

**void**

**Saves the notification in the database**

**à**

**Methods inherited from class java.lang.Object**

**clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait**

* **¨**

**Field Detail**

**à databaseNotifications**

**public com.google.firebase.database.DatabaseReference databaseNotifications**

**A reference to the current database used**

**¨**

**Constructor Detail**

**à NotificationManager**

**public NotificationManager()**

**¨**

**Method Detail**

**à saveNotification**

**public void saveNotification(**[**Notification**](#page130) **n)**

**Saves the notification in the database**

**155**

**à deleteNotificaton**

**public void deleteNotificaton(**[**Notification**](#page130) **n)**

**Deletes the notification from the database**

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**ultramirinc.champs\_mood.managers**

**Class UserManager**

* **java.lang.Object**
* **¨ java.util.Observable**

**¨à ultramirinc.champs\_mood.managers.UserManager**

**·**

**public class**

**extends java.util.Observable**

**Created by Amir Osman on 2017-04-25.**

* **¨**

**Field Summary**

**Modifier and Type** **Field and Description**

**private** [**User**](#page145)[**current\_user**](#page159)

**157**

**The current user**

[**databaseUsers**](#page222)

**com.google.firebase.database.DatabaseReference** **A reference to the current database**

[**instance**](#page159)

**private static** [**UserManager**](#page157) **A reference to a UserManager**

**object**

**¨**

**Constructor Summary**

**Modifier** **Constructor and Description**

**protected** [**UserManager**](#page159)**()**

**¨**

**Method Summary**

**Modifier and Type** **Method and Description**

**void**

**void**

**void**

[**User**](#page145)

**static** [**UserManager**](#page157)

**void**

**void**

**à**

[**addUserInformations**](#page159)**(**[**User**](#page145) **userInformations)**

**Adds a child node to the database.**

[**clearCurrentUser**](#page160)**()**

**Clears the current user from the fields.**

[**editUserInformations**](#page159)**(**[**User**](#page145) **userInformations)**

**Updates the user's information in the database.**

[**getCurrentUser**](#page159)**()**

**Getter for the current user.**

[**getInstance**](#page159)**()**

**Returns an instance of the UserManager.**

[**getUserInformations**](#page160)**()**

**Gets the current user's information from the Database.**

[**setCurrentUser**](#page159)**(**[**User**](#page145) **user)**

**Setter for the current user.**

**Methods inherited from class java.util.Observable**

**addObserver, clearChanged, countObservers, deleteObserver, deleteObservers, hasChanged, notifyObservers, notifyObservers, setChanged**

**à**

**Methods inherited from class java.lang.Object**

**clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait**

**158**

* **Field Detail**
  + **current\_user**

**private** [**User**](#page145) **current\_user**

**The current user**

**à instance**

**private static** [**UserManager**](#page157) **instance**

**A reference to a UserManager object**

**à databaseUsers**

**public com.google.firebase.database.DatabaseReference databaseUsers**

**A reference to the current database**

**¨**

**Constructor Detail**

**à UserManager**

**protected UserManager()**

**¨**

**Method Detail**

**à getCurrentUser**

**public** [**User**](#page145) **getCurrentUser()**

**Getter for the current user.**

**à setCurrentUser**

**public void setCurrentUser(**[**User**](#page145) **user)**

**Setter for the current user.**

**à getInstance**

**public static** [**UserManager**](#page157) **getInstance()**

**Returns an instance of the UserManager.**

**à editUserInformations**

**public void editUserInformations(**[**User**](#page145) **userInformations)**

**Updates the user's information in the database.**

**159**

* **à addUserInformations**

**public void addUserInformations(**[**User**](#page145) **userInformations)**

**Adds a child node to the database.**

**à clearCurrentUser**

**public void clearCurrentUser()**

**Clears the current user from the fields.**

**à getUserInformations**

**public void getUserInformations()**

**Gets the current user's information from the Database.**

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**ultramirinc.champs\_mood.fragments**

**Class FriendsFragment**

* **java.lang.Object**
* **¨ android.support.v4.app.Fragment**
  + **à ultramirinc.champs\_mood.fragments.FriendsFragment**
* **All Implemented Interfaces:**

**android.content.ComponentCallbacks, android.view.View.OnCreateContextMenuListener**

**public class**

**extends android.support.v4.app.Fragment**

**Created by Etienne Berube on 2017-03-23. This class gives a visual interpretation of the friend list of the user. The friends are fetched from the Database and transformed into visual elements. This list is given as a tab for TabActivity**

**161**

**¨ Nested Class Summary**

**à**

**Nested classes/interfaces inherited from class android.support.v4.app.Fragment**

**android.support.v4.app.Fragment.InstantiationException,**

**android.support.v4.app.Fragment.SavedState**

**¨**

**Field Summary**

|  |  |  |
| --- | --- | --- |
| **Modifier and Type** | **Field and Description** |  |
|  | [**context**](#page221) |  |
| **private android.content.Context** | **Context from the attached** |  |
|  | **activity** |  |
| **private java.util.List<**[**User**](#page145)**>** | [**friends**](#page169) |  |
| **Contains the user's friends** |  |
|  |  |
|  | [**recyclerView**](#page221) |  |
| **private android.support.v7.widget.RecyclerView** | **Contains the RecyclerView** |  |
|  | **from the visual layout** |  |
| **¨** |  |  |
| **Constructor Summary** |  |  |
| **Constructor and Description** |  |  |
| [**FriendsFragment**](#page164)**()** |  |  |
| **¨** |  |  |
| **Method Summary** |  |  |

**Modifier and Type** **Method and Description**

**private void**

**private void**

**android.view.View**

**à**

[**addOrReplace**](#page164)**(**[**User**](#page145) **user)**

**Adds or replace a friend in the friend list.**

[**loadFriends**](#page164)**()**

**Loads the user's friends from the database.**

[**onCreateView**](#page222)**(android.view.LayoutInflater inflater, android.view.ViewGroup container, android.os.Bundle savedInstanceState)**

**Creates the visual layout for fragment.**

**Methods inherited from**

**class android.support.v4.app.Fragment**

**dump, equals, getActivity, getAllowEnterTransitionOverlap, getAllowReturnTransitionOverlap, getArguments, getChildFragmentManager, getContext, getEnterTransition, getExitTransition, getFragmentManager, getHost, getId, getLayoutInflater, getLoaderManager, getParentFragment,**

**162**

* **getReenterTransition, getResources, getRetainInstance, getReturnTransition, getSharedElementEnterTransition, getSharedElementReturnTransition, getString, getString, getTag, getTargetFragment, getTargetRequestCode, getText, getUserVisibleHint, getView, hashCode, hasOptionsMenu, instantiate, instantiate, isAdded, isDetached, isHidden, isInLayout, isMenuVisible, isRemoving, isResumed, isVisible, onActivityCreated, onActivityResult, onAttach, onAttach, onAttachFragment, onConfigurationChanged, onContextItemSelected, onCreate, onCreateAnimation, onCreateContextMenu, onCreateOptionsMenu, onDestroy, onDestroyOptionsMenu, onDestroyView, onDetach, onHiddenChanged, onInflate, onInflate, onLowMemory, onMultiWindowModeChanged, onOptionsItemSelected, onOptionsMenuClosed, onPause, onPictureInPictureModeChanged, onPrepareOptionsMenu, onRequestPermissionsResult, onResume, onSaveInstanceState, onStart, onStop, onViewCreated, onViewStateRestored, postponeEnterTransition, registerForContextMenu, requestPermissions, setAllowEnterTransitionOverlap, setAllowReturnTransitionOverlap, setArguments, setEnterSharedElementCallback, setEnterTransition, setExitSharedElementCallback, setExitTransition, setHasOptionsMenu, setInitialSavedState, setMenuVisibility, setReenterTransition, setRetainInstance, setReturnTransition, setSharedElementEnterTransition, setSharedElementReturnTransition, setTargetFragment, setUserVisibleHint, shouldShowRequestPermissionRationale, startActivity, startActivity, startActivityForResult, startActivityForResult, startIntentSenderForResult, startPostponedEnterTransition, toString, unregisterForContextMenu**

**à**

**Methods inherited from class java.lang.Object**

**clone, finalize, getClass, notify, notifyAll, wait, wait, wait**

* **¨**

**Field Detail**

**à recyclerView**

**private android.support.v7.widget.RecyclerView recyclerView**

**Contains the RecyclerView from the visual layout**

**à friends**

**private java.util.List<**[**User**](#page145)**> friends**

**Contains the user's friends**

**à context**

**private android.content.Context context**

**Context from the attached activity**

**163**

**¨ Constructor Detail**

**à FriendsFragment**

**public FriendsFragment()**

**¨**

**Method Detail**

**à onCreateView**

**public android.view.View onCreateView(android.view.LayoutInflater inflater, android.view.ViewGroup container, android.os.Bundle savedInstanceState)**

**Creates the visual layout for fragment.**

**Overrides:**

**onCreateView in class android.support.v4.app.Fragment**

**à addOrReplace**

**private void addOrReplace(**[**User**](#page145) **user)**

**Adds or replace a friend in the friend list.**

**à loadFriends**

**private void loadFriends()**

**Loads the user's friends from the database.**

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**ultramirinc.champs\_mood.fragments**

**Class HomeFragment**

* **java.lang.Object**
* **¨ android.support.v4.app.Fragment**
  + **à ultramirinc.champs\_mood.fragments.HomeFragment**
* **All Implemented Interfaces:**

**android.content.ComponentCallbacks, android.view.View.OnClickListener, android.view.View.OnCreateContextMenuListener, com.google.android.gms.common.api.GoogleApiClient.ConnectionCallbacks, com.google.android.gms.common.api.GoogleApiClient.OnConnectionFailedListener, com.google.android.gms.maps.GoogleMap.OnInfoWindowClickListener, com.google.android.gms.maps.OnMapReadyCallback, java.util.Observer**

**public class**

**extends android.support.v4.app.Fragment**

**implements java.util.Observer, com.google.android.gms.maps.OnMapReadyCallback, com.googl**

**166**

**Created by Etienne Berube on 2017-03-23. This class is the homepage of the app. When it is launched. It appears as the first tab the user will see. He will then see his current mood and the location of his friends on the map.**

* **¨**

**Nested Class Summary**

**à**

**Nested classes/interfaces inherited from class android.support.v4.app.Fragment**

**android.support.v4.app.Fragment.InstantiationException,**

**android.support.v4.app.Fragment.SavedState**

**¨**

**Field Summary**

**Modifier and Type** **Field and Description**

**private java.util.List<**[**User**](#page145)**>**

**private com.google.android.gms.common.api.GoogleApiClient**

**private com.google.android.gms.location.LocationRequest**

**private com.google.android.gms.maps.GoogleMap**

**private android.view.View**

**à**

[**friends**](#page169)

**Contains list of the user's Friends**

[**mGoogleApiClient**](#page212)

**The Google Api Client Object is required to access Google's APIs**

[**mLocationRequest**](#page213)

**The location request in order to get information from the GPS**

[**mMap**](#page212)

**The map from Google Map**

[**view**](#page213)

**Contains the visual layout of the fragment**

**Fields inherited from**

**interface com.google.android.gms.common.api.GoogleApiClient.C**

**CAUSE\_NETWORK\_LOST, CAUSE\_SERVICE\_DISCONNECTED**

**¨**

**Constructor Summary**

**Constructor and Description**

[**HomeFragment**](#page170)**()**

**167**

**Method Summary**

**Modifier and Type** **Method and Description**

**private void**

**private void**

**void**

**void**

**private void**

**void**

**void**

**void**

**void**

[**createGoogleMapClient**](#page215)**()**

**This method creates the Google Api Client used for the Google Map.**

[**createRequestLocation**](#page215)**()**

**Creates the location requests in order to get the location from the user's phone**

[**drawMap**](#page172)**()**

**Draws the map accordingly to the user's friends locations**

[**getFriends**](#page172)**(**[**User**](#page145) **u)**

**Gets the current User's friends.**

[**loadProfile**](#page214)**()**

**Gets the current User's informations.**

[**onClick**](#page216)**(android.view.View v)**

[**onConnected**](#page215)**(android.os.Bundle bundle)**

**This method is called when the Google Api Client is connected.**

[**onConnectionFailed**](#page216)**(com.google.android.gms.common.ConnectionResu**

[**onConnectionSuspended**](#page216)**(int i)**

**This method is called when the connection between the Google Api Client and**

[**onCreateView**](#page222)**(android.view.LayoutInflater inflater, android.view android.view.View android.os.Bundle savedInstanceState)**

**Inflates the visual layout for the fragment**

|  |  |  |
| --- | --- | --- |
| **void** | [**onDestroyView**](#page216)**()** |  |
| **void** | [**onInfoWindowClick**](#page172)**(com.google.android.gms.maps.model.Marker mark** |  |
| **void** | [**onMapReady**](#page216)**(com.google.android.gms.maps.GoogleMap googleMap)** |  |
| **void** | [**onPause**](#page215)**()** |  |
| **void** | [**onResume**](#page215)**()** |  |
| **void** | [**setDataListeners**](#page172)**(**[**User**](#page145) **u)** |  |
| **Sets Listeners for the map to re-draw each time a friend changes its location.** |  |
|  |  |
| **void** | [**setUserAndPaintProfile**](#page214)**(**[**User**](#page145) **u)** |  |
| **This method takes a User and sets the visual layout accordingly to certain field** |  |
|  |  |
| **void** | [**update**](#page214)**(java.util.Observable o, java.lang.Object arg)** |  |
| **void** | [**updateView**](#page170)**(**[**User**](#page145) **u)** |  |
| **Updates the View for the user's mood.** |  |
|  |  |

**à**

**Methods inherited from**

**class android.support.v4.app.Fragment**

**dump, equals, getActivity, getAllowEnterTransitionOverlap, getAllowReturnTransitionOverlap, getArguments, getChildFragmentManager, getContext, getEnterTransition, getExitTransition, getFragmentManager, getHost, getId, getLayoutInflater, getLoaderManager, getParentFragment, getReenterTransition, getResources, getRetainInstance, getReturnTransition, getSharedElementEnterTransition,**

**168**

* **getSharedElementReturnTransition, getString, getString, getTag, getTargetFragment, getTargetRequestCode, getText, getUserVisibleHint, getView, hashCode, hasOptionsMenu, instantiate, instantiate, isAdded, isDetached, isHidden, isInLayout, isMenuVisible, isRemoving, isResumed, isVisible, onActivityCreated, onActivityResult, onAttach, onAttach, onAttachFragment, onConfigurationChanged, onContextItemSelected, onCreate, onCreateAnimation, onCreateContextMenu, onCreateOptionsMenu, onDestroy, onDestroyOptionsMenu, onDetach, onHiddenChanged, onInflate, onInflate, onLowMemory, onMultiWindowModeChanged, onOptionsItemSelected, onOptionsMenuClosed, onPictureInPictureModeChanged, onPrepareOptionsMenu, onRequestPermissionsResult, onSaveInstanceState, onStart, onStop, onViewCreated, onViewStateRestored, postponeEnterTransition, registerForContextMenu, requestPermissions, setAllowEnterTransitionOverlap, setAllowReturnTransitionOverlap, setArguments, setEnterSharedElementCallback, setEnterTransition, setExitSharedElementCallback, setExitTransition, setHasOptionsMenu, setInitialSavedState, setMenuVisibility, setReenterTransition, setRetainInstance, setReturnTransition, setSharedElementEnterTransition, setSharedElementReturnTransition, setTargetFragment, setUserVisibleHint, shouldShowRequestPermissionRationale, startActivity, startActivity, startActivityForResult, startActivityForResult, startIntentSenderForResult, startPostponedEnterTransition, toString, unregisterForContextMenu**

**à**

**Methods inherited from class java.lang.Object**

**clone, finalize, getClass, notify, notifyAll, wait, wait, wait**

* **¨**

**Field Detail**

**à mMap**

**private com.google.android.gms.maps.GoogleMap mMap**

**The map from Google Map**

**à mGoogleApiClient**

**private com.google.android.gms.common.api.GoogleApiClient mGoogleApiClient**

**The Google Api Client Object is required to access Google's APIs**

**à view**

**private android.view.View view**

**Contains the visual layout of the fragment**

**à mLocationRequest**

**private com.google.android.gms.location.LocationRequest mLocationRequest**

**The location request in order to get information from the GPS**

**169**

**à friends**

**private java.util.List<**[**User**](#page145)**> friends**

**Contains list of the user's Friends**

**¨**

**Constructor Detail**

**à HomeFragment**

**public HomeFragment()**

**¨**

**Method Detail**

**à onCreateView**

**public android.view.View onCreateView(android.view.LayoutInflater inflater, android.view.ViewGroup container, android.os.Bundle savedInstanceState)**

**Inflates the visual layout for the fragment**

**Overrides:**

**onCreateView in class android.support.v4.app.Fragment**

**à update**

**public void update(java.util.Observable o, java.lang.Object arg)**

**Specified by:**

**update in interface java.util.Observer**

**à updateView**

**public void updateView(**[**User**](#page145) **u)**

**Updates the View for the user's mood.**

**à onResume**

**public void onResume()**

**Overrides:**

**onResume in class android.support.v4.app.Fragment**

**à onPause**

**public void onPause()**

**Overrides:**

**onPause in class android.support.v4.app.Fragment**

**à onConnected**

**public void onConnected(@Nullable android.os.Bundle bundle)**

**170**

**This method is called when the Google Api Client is connected.**

**Specified by:**

**onConnected in**

**interface com.google.android.gms.common.api.GoogleApiClient.ConnectionC**

**à createGoogleMapClient**

**private void createGoogleMapClient()**

**This method creates the Google Api Client used for the Google Map.**

**à createRequestLocation**

**private void createRequestLocation()**

**Creates the location requests in order to get the location from the user's phone**

**à onMapReady**

**public void onMapReady(com.google.android.gms.maps.GoogleMap googleMap)**

**Specified by:**

**onMapReady in**

**interface com.google.android.gms.maps.OnMapReadyCallback**

**à onConnectionSuspended**

**public void onConnectionSuspended(int i)**

**This method is called when the connection between the Google Api Client and the user is lost.**

**Specified by:**

**onConnectionSuspended in**

**interface com.google.android.gms.common.api.GoogleApiClient.ConnectionC**

**à onConnectionFailed**

**public void onConnectionFailed(@NonNull com.google.android.gms.common.ConnectionResu**

**Specified by:**

**onConnectionFailed in**

**interface com.google.android.gms.common.api.GoogleApiClient.OnConnectio**

**à onDestroyView**

**public void onDestroyView()**

**Overrides:**

**onDestroyView in class android.support.v4.app.Fragment**

**à onClick**

**public void onClick(android.view.View v)**

**Specified by:**

**onClick in interface android.view.View.OnClickListener**

**171**

**à setUserAndPaintProfile**

**public void setUserAndPaintProfile(**[**User**](#page145) **u)**

**This method takes a User and sets the visual layout accordingly to certain fields and variables.**

**à loadProfile**

**private void loadProfile()**

**Gets the current User's informations.**

**à getFriends**

**public void getFriends(**[**User**](#page145) **u)**

**Gets the current User's friends.**

**à setDataListeners**

**public void setDataListeners(**[**User**](#page145) **u)**

**Sets Listeners for the map to re-draw each time a friend changes its location.**

**à onInfoWindowClick**

**public void onInfoWindowClick(com.google.android.gms.maps.model.Marker mark**

**Specified by:**

**onInfoWindowClick in**

**interface com.google.android.gms.maps.GoogleMap.OnInfoWindowClickListen**

**à drawMap**

**public void drawMap()**

**Draws the map accordingly to the user's friends locations**

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**ultramirinc.champs\_mood.fragments**

**Class MyAdapterFriend**

* **java.lang.Object**
* **¨ android.support.v7.widget.RecyclerView.Adapter<**[**MyViewHolderFriend**](#page188)**> ¨ à ultramirinc.champs\_mood.fragments.MyAdapterFriend**

**·**

**public class**

**extends android.support.v7.widget.RecyclerView.Adapter<**[**MyViewHolderFriend**](#page188)**>**

**Created by William on 2017-04-04. This class creates a binding between the raw data and the visual interpretation of a User for the current user's friends. This class binds it with a MyViewHolderFriend object.**

* **¨**

**Field Summary**

**174**

|  |  |  |
| --- | --- | --- |
| **Modifier and Type** | **Field and Description** |  |
| **private android.content.Context** | [**context**](#page221) |  |
| **The context to the activity** |  |
| **private boolean** | [**isPokable**](#page185) |  |
| **Determines if the friend can be poked or not** |  |
|  |  |
| **private java.util.List<**[**User**](#page145)**>** | [**list**](#page185) |  |
| **Contains the list of the user's friends** |  |
|  |  |

**¨**

**Constructor Summary**

**Constructor and Description**

[**MyAdapterFriend**](#page176)**()**

[**MyAdapterFriend**](#page176)**(java.util.List<**[**User**](#page145)**> list, android.content.Context context)**

**¨**

**Method Summary**

**Modifier and Type** **Method and Description**

[**adaptDayOfWeek**](#page218)**(int weekday)**

**private int** **There's a mismatch between our original int values of weekdays**

**with the java.utils.calendar integer values of weekdays.**

**java.lang.String**

**private void**

**static long**

**int**

**void**

[**breakCalculator**](#page218)**(**[**User**](#page145) **u, java.util.ArrayList<**[**Break**](#page120)**> friendBreaks)**

[**checkBreakStatus**](#page177)**(**[**MyViewHolderFriend**](#page188) **myViewHolderFriend,** [**User**](#page145) **u)**

**Gets the user's break status (time before a break, in break or no more breaks).**

[**getDateDiff**](#page217)**(java.util.GregorianCalendar date1, java.util.GregorianCalendar date2, java.util.concurrent.TimeUnit timeUnit)**

**Returns the difference between two dates in milliseconds.**

[**getItemCount**](#page186)**()**

**Returns the size of the list.**

[**onBindViewHolder**](#page177)**(**[**MyViewHolderFriend**](#page188) **myViewHolderFriend,**

**int position)**

**Binds the information from a given friend with the ViewHolder.**

[**onCreateViewHolder**](#page185)**(android.view.ViewGroup viewGroup,** [**MyViewHolderFriend**](#page188) **int itemType)**

**Creates a Visual interpretation using a custom ViewHolder.**

[**Poke**](#page186)**(**[**User**](#page145) **user)**

**private void**

**Pokes a given user.**

**à**

**Methods inherited from**

**class android.support.v7.widget.RecyclerView.Adapter**

**175**

**bindViewHolder, createViewHolder, getItemId, getItemViewType, hasObservers, hasStableIds, notifyDataSetChanged, notifyItemChanged, notifyItemChanged, notifyItemInserted, notifyItemMoved, notifyItemRangeChanged, notifyItemRangeChanged, notifyItemRangeInserted, notifyItemRangeRemoved, notifyItemRemoved, onAttachedToRecyclerView, onBindViewHolder, onDetachedFromRecyclerView, onFailedToRecycleView, onViewAttachedToWindow, onViewDetachedFromWindow, onViewRecycled, registerAdapterDataObserver, setHasStableIds, unregisterAdapterDataObserver**

**à**

**Methods inherited from class java.lang.Object**

**clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait**

* **¨**

**Field Detail**

**à list**

**private java.util.List<**[**User**](#page145)**> list**

**Contains the list of the user's friends**

**à context**

**private android.content.Context context**

**The context to the activity**

**à isPokable**

**private boolean isPokable**

**Determines if the friend can be poked or not**

**¨**

**Constructor Detail**

**à MyAdapterFriend**

**public MyAdapterFriend(java.util.List<**[**User**](#page145)**> list, android.content.Context context)**

**à MyAdapterFriend**

**public MyAdapterFriend()**

**¨**

**Method Detail**

**à onCreateViewHolder**

**public** [**MyViewHolderFriend**](#page188) **onCreateViewHolder(android.view.ViewGroup viewGro int itemType)**

**176**

**Creates a Visual interpretation using a custom ViewHolder.**

**Specified by:**

**onCreateViewHolder in**

**class android.support.v7.widget.RecyclerView.Adapter<**[**MyViewHolderFrien**](#page188)

**à onBindViewHolder**

**public void onBindViewHolder(**[**MyViewHolderFriend**](#page188) **myViewHolderFriend, int position)**

**Binds the information from a given friend with the ViewHolder.**

**Specified by:**

**onBindViewHolder in**

**class android.support.v7.widget.RecyclerView.Adapter<**[**MyViewHolderFrien**](#page188)

**à Poke**

**private void Poke(**[**User**](#page145) **user)**

**Pokes a given user.**

**à getItemCount**

**public int getItemCount()**

**Returns the size of the list.**

**Specified by:**

**getItemCount in**

**class android.support.v7.widget.RecyclerView.Adapter<**[**MyViewHolderFrien**](#page188)

**à getDateDiff**

**public static long getDateDiff(java.util.GregorianCalendar date1, java.util.GregorianCalendar date2, java.util.concurrent.TimeUnit timeUnit)**

**Returns the difference between two dates in milliseconds.**

**à checkBreakStatus**

**private void checkBreakStatus(**[**MyViewHolderFriend**](#page188) **myViewHolderFriend,** [**User**](#page145) **u)**

**Gets the user's break status (time before a break, in break or no more breaks).**

**à breakCalculator**

**public java.lang.String breakCalculator(**[**User**](#page145) **u,**

**java.util.ArrayList<**[**Break**](#page120)**> friendBr**

**à adaptDayOfWeek**

**private int adaptDayOfWeek(int weekday)**

**There's a mismatch between our original int values of weekdays with the java.utils.calendar integer values of weekdays.**

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**ultramirinc.champs\_mood.fragments**

**Class MyAdapterNotification**

* **java.lang.Object**
* **¨ android.support.v7.widget.RecyclerView.Adapter<**[**MyViewHolderNotification**](#page193)**> ¨ à ultramirinc.champs\_mood.fragments.MyAdapterNotification**

**·**

**public class**

**extends android.support.v7.widget.RecyclerView.Adapter<**[**MyViewHolderNotification**](#page193)**>**

**Created by William on 2017-04-06. This class creates a binding between the raw data and the visual interpretation of the notifications for a given User. This class binds it with a MyViewHolderNotifications object.**

* **¨**

**Field Summary**

**179**

|  |  |  |
| --- | --- | --- |
| **Modifier and Type** | **Field and Description** |  |
| **private android.content.Context** | [**context**](#page221) |  |
| **The context to the activity** |  |
|  |  |
| **private boolean** | [**isPokable**](#page185) |  |
| **Determines if the friend can be poked or not** |  |
|  |  |
| **private java.util.List<**[**Notification**](#page130)**>** | [**list**](#page185) |  |
| **Contains the list of the user's notification** |  |

**¨**

**Constructor Summary**

**Constructor and Description**

[**MyAdapterNotification**](#page181)**(java.util.List<**[**Notification**](#page130)**> list, android.content.Context context)**

**¨**

**Method Summary**

|  |  |  |
| --- | --- | --- |
| **Modifier and Type** | **Method and Description** |  |
| **int** | [**getItemCount**](#page186)**()** |  |
| **Returns the size of the list.** |  |
|  |  |
|  | [**onBindViewHolder**](#page181)**(**[**MyViewHolderNotification**](#page193) **myViewHolderNo** |  |
| **void** | **int position)** |  |
| **Binds the information from a given notification with the** |  |
|  |  |
|  | **ViewHolder.** |  |

[**onCreateViewHolder**](#page185)**(android.view.ViewGroup viewGroup,** [**MyViewHolderNotification**](#page193) **int itemType)**

**Creates a Visual interpretation using a custom ViewHolder.**

[**poke**](#page181)**(java.lang.String UserId)**

**private void**

**Pokes a given user.**

**à**

**Methods inherited from**

**class android.support.v7.widget.RecyclerView.Adapter**

**bindViewHolder, createViewHolder, getItemId, getItemViewType, hasObservers, hasStableIds, notifyDataSetChanged, notifyItemChanged, notifyItemChanged, notifyItemInserted, notifyItemMoved, notifyItemRangeChanged, notifyItemRangeChanged, notifyItemRangeInserted, notifyItemRangeRemoved, notifyItemRemoved, onAttachedToRecyclerView, onBindViewHolder, onDetachedFromRecyclerView, onFailedToRecycleView, onViewAttachedToWindow, onViewDetachedFromWindow, onViewRecycled, registerAdapterDataObserver, setHasStableIds, unregisterAdapterDataObserver**

**à**

**Methods inherited from class java.lang.Object**

**clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait**

**180**

* **Field Detail**
  + **context**

**private android.content.Context context**

**The context to the activity**

**à list**

**private java.util.List<**[**Notification**](#page130)**> list**

**Contains the list of the user's notification**

**à isPokable**

**private boolean isPokable**

**Determines if the friend can be poked or not**

**¨**

**Constructor Detail**

**à MyAdapterNotification**

**public MyAdapterNotification(java.util.List<**[**Notification**](#page130)**> list, android.content.Context context)**

**¨**

**Method Detail**

**à onCreateViewHolder**

**public** [**MyViewHolderNotification**](#page193) **onCreateViewHolder(android.view.ViewGroup v int itemType)**

**Creates a Visual interpretation using a custom ViewHolder.**

**Specified by:**

**onCreateViewHolder in**

**class android.support.v7.widget.RecyclerView.Adapter<**[**MyViewHolderNotif**](#page193)

**à onBindViewHolder**

**public void onBindViewHolder(**[**MyViewHolderNotification**](#page193) **myViewHolderNotificat int position)**

**Binds the information from a given notification with the ViewHolder.**

**Specified by:**

**onBindViewHolder in**

**class android.support.v7.widget.RecyclerView.Adapter<**[**MyViewHolderNotif**](#page193)

**à poke**

**private void poke(java.lang.String UserId)**

**Pokes a given user.**

**181**

* **à getItemCount**

**public int getItemCount()**

**Returns the size of the list.**

**Specified by:**

**getItemCount in**

**class android.support.v7.widget.RecyclerView.Adapter<**[**MyViewHolderNotif**](#page193)

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**ultramirinc.champs\_mood.fragments**

**Class MyAdapterSearch**

* **java.lang.Object**
* **¨ android.support.v7.widget.RecyclerView.Adapter<**[**MyViewHolderSearch**](#page198)**> ¨ à ultramirinc.champs\_mood.fragments.MyAdapterSearch**

**·**

**public class**

**extends android.support.v7.widget.RecyclerView.Adapter<**[**MyViewHolderSearch**](#page198)**>**

**Created by William on 2017-04-06. This class creates a binding between the raw data and the visual interpretation for the results . This class binds it with a MyViewHolderNotification object.**

* **¨**

**Field Summary**

**Modifier and Type** **Field and Description**

**183**

[**context**](#page221)

**private android.content.Context The context to the activity**

[**isPokable**](#page185)

**private boolean**

**Determines if the friend can be poked or not**

[**list**](#page185)

**private java.util.List<**[**User**](#page145)**>**

**Contains the list of the user's search**

**¨**

**Constructor Summary**

**Constructor and Description**

[**MyAdapterSearch**](#page185)**(java.util.List<**[**User**](#page145)**> list,**

**android.content.Context context)**

**¨**

**Method Summary**

**Modifier and Type** **Method and Description**

[**adaptDayOfWeek**](#page218)**(int weekday)**

**private int** **There's a mismatch between our original int values of weekdays**

**with the java.utils.calendar integer values of weekdays.**

**java.lang.String**

**private void**

**static long**

**int**

**void**

[**breakCalculator**](#page218)**(**[**User**](#page145) **u, java.util.ArrayList<**[**Break**](#page120)**> friendBreaks)**

[**checkBreakStatus**](#page186)**(**[**MyViewHolderSearch**](#page198) **viewHolderSearch,** [**User**](#page145) **u)**

**Gets the user's break status (time before a break, in break or no more breaks).**

[**getDateDiff**](#page217)**(java.util.GregorianCalendar date1, java.util.GregorianCalendar date2, java.util.concurrent.TimeUnit timeUnit)**

**Returns the difference between two dates in milliseconds.**

[**getItemCount**](#page186)**()**

**Returns the size of the list.**

[**onBindViewHolder**](#page185)**(**[**MyViewHolderSearch**](#page198) **myViewHolderSearch,**

**int position)**

**Binds the information from a given search with the ViewHolder.**

[**onCreateViewHolder**](#page185)**(android.view.ViewGroup viewGroup,** [**MyViewHolderSearch**](#page198) **int itemType)**

**Creates a Visual interpretation using a custom ViewHolder.**

[**poke**](#page186)**(**[**User**](#page145) **user)**

**private void**

**Pokes a given user.**

**à**

**Methods inherited from**

**class android.support.v7.widget.RecyclerView.Adapter**

**bindViewHolder, createViewHolder, getItemId, getItemViewType, hasObservers, hasStableIds, notifyDataSetChanged, notifyItemChanged, notifyItemChanged, notifyItemInserted, notifyItemMoved, notifyItemRangeChanged, notifyItemRangeChanged,**

**184**

**notifyItemRangeInserted, notifyItemRangeRemoved, notifyItemRemoved, onAttachedToRecyclerView, onBindViewHolder, onDetachedFromRecyclerView, onFailedToRecycleView, onViewAttachedToWindow, onViewDetachedFromWindow, onViewRecycled, registerAdapterDataObserver, setHasStableIds, unregisterAdapterDataObserver**

**à**

**Methods inherited from class java.lang.Object**

**clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait**

* **¨**

**Field Detail**

**à context**

**private android.content.Context context**

**The context to the activity**

**à list**

**private java.util.List<**[**User**](#page145)**> list**

**Contains the list of the user's search**

**à isPokable**

**private boolean isPokable**

**Determines if the friend can be poked or not**

**¨**

**Constructor Detail**

**à MyAdapterSearch**

**public MyAdapterSearch(java.util.List<**[**User**](#page145)**> list, android.content.Context context)**

**¨**

**Method Detail**

**à onCreateViewHolder**

**public** [**MyViewHolderSearch**](#page198) **onCreateViewHolder(android.view.ViewGroup viewGro int itemType)**

**Creates a Visual interpretation using a custom ViewHolder.**

**Specified by:**

**onCreateViewHolder in**

**class android.support.v7.widget.RecyclerView.Adapter<**[**MyViewHolderSearc**](#page198)

**185**

**à onBindViewHolder**

**public void onBindViewHolder(**[**MyViewHolderSearch**](#page198) **myViewHolderSearch, int position)**

**Binds the information from a given search with the ViewHolder.**

**Specified by:**

**onBindViewHolder in**

**class android.support.v7.widget.RecyclerView.Adapter<**[**MyViewHolderSearc**](#page198)

**à poke**

**private void poke(**[**User**](#page145) **user)**

**Pokes a given user.**

**à getItemCount**

**public int getItemCount()**

**Returns the size of the list.**

**Specified by:**

**getItemCount in**

**class android.support.v7.widget.RecyclerView.Adapter<**[**MyViewHolderSearc**](#page198)

**à checkBreakStatus**

**private void checkBreakStatus(**[**MyViewHolderSearch**](#page198) **viewHolderSearch,** [**User**](#page145) **u)**

**Gets the user's break status (time before a break, in break or no more breaks).**

**à breakCalculator**

**public java.lang.String breakCalculator(**[**User**](#page145) **u,**

**java.util.ArrayList<**[**Break**](#page120)**> friendBr**

**à getDateDiff**

**public static long getDateDiff(java.util.GregorianCalendar date1, java.util.GregorianCalendar date2, java.util.concurrent.TimeUnit timeUnit)**

**Returns the difference between two dates in milliseconds.**

**à adaptDayOfWeek**

**private int adaptDayOfWeek(int weekday)**

**There's a mismatch between our original int values of weekdays with the java.utils.calendar integer values of weekdays.**

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**ultramirinc.champs\_mood.fragments**

**Class MyViewHolderFriend**

* **java.lang.Object**
* **¨ android.support.v7.widget.RecyclerView.ViewHolder**

**¨à ultramirinc.champs\_mood.fragments.MyViewHolderFriend**

**·**

**public class**

**extends android.support.v7.widget.RecyclerView.ViewHolder**

**Created by William on 2017-04-04. This class assigns a given value to a View object, allowing the user to see the information for a given friend**

* **¨**

**Field Summary**

**Modifier and Type** **Field and Description**

**188**

[**breakTextView**](#page200)

**private android.widget.TextView Contains the TextView of the friend's break text**

[**mButton**](#page190)

**private android.widget.Button**

**Contains the Button of the friend's poke button**

[**moodView**](#page200)

**private android.widget.TextView Contains the TextView of the friend's mood**

[**nameView**](#page200)

**private android.widget.TextView Contains the TextView of the friend's name**

**à**

**Fields inherited from**

**class android.support.v7.widget.RecyclerView.ViewHolder**

**itemView**

**¨**

**Constructor Summary**

**Constructor and Description**

[**MyViewHolderFriend**](#page190)**(android.view.View itemView)**

**¨**

**Method Summary**

**Modifier and Type** **Method and Description**

[**bind**](#page201)**(**[**User**](#page145) **myFriend)**

**void** **Binds the friend's name and mood to their respective TextView**

**variables.**

**android.widget.TextView**

**android.widget.Button**

**android.widget.TextView**

**android.widget.TextView**

**void**

**void**

**void**

**void**

**void**

[**getBreakTextView**](#page201)**()**

**Getter for breakTextView.**

[**getButton**](#page201)**()**

**Getter for mButton.**

[**getMoodView**](#page201)**()**

**Getter for moodView.**

[**getNameView**](#page201)**()**

**Getter for nameView.**

[**setBreakTextText**](#page191)**(java.lang.String s)**

**Setter for breakTextView using a String variable.**

[**setBreakTextView**](#page191)**(android.widget.TextView breakTextView)**

**Setter for breakTextView using a TextView variable.**

[**setButton**](#page202)**(android.widget.Button mButton)**

**Setter for mButton.**

[**setMoodView**](#page201)**(android.widget.TextView moodView)**

**Setter for moodView.**

[**setNameView**](#page201)**(android.widget.TextView nameView)**

**Setter for nameView.**

**189**

* **Methods inherited from**

**class android.support.v7.widget.RecyclerView.ViewHolder**

**getAdapterPosition, getItemId, getItemViewType, getLayoutPosition, getOldPosition, getPosition, isRecyclable, setIsRecyclable, toString**

**à**

**Methods inherited from class java.lang.Object**

**clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait**

* **¨**

**Field Detail**

**à nameView**

**private android.widget.TextView nameView**

**Contains the TextView of the friend's name**

**à moodView**

**private android.widget.TextView moodView**

**Contains the TextView of the friend's mood**

**à breakTextView**

**private android.widget.TextView breakTextView**

**Contains the TextView of the friend's break text**

**à mButton**

**private android.widget.Button mButton**

**Contains the Button of the friend's poke button**

**¨**

**Constructor Detail**

**à MyViewHolderFriend**

**public MyViewHolderFriend(android.view.View itemView)**

**¨**

**Method Detail**

**à bind**

**public void bind(**[**User**](#page145) **myFriend)**

**Binds the friend's name and mood to their respective TextView variables.**

**190**

**à getNameView**

**public android.widget.TextView getNameView()**

**Getter for nameView.**

**à setNameView**

**public void setNameView(android.widget.TextView nameView)**

**Setter for nameView.**

**à getMoodView**

**public android.widget.TextView getMoodView()**

**Getter for moodView.**

**à setMoodView**

**public void setMoodView(android.widget.TextView moodView)**

**Setter for moodView.**

**à getBreakTextView**

**public android.widget.TextView getBreakTextView()**

**Getter for breakTextView.**

**à setBreakTextView**

**public void setBreakTextView(android.widget.TextView breakTextView)**

**Setter for breakTextView using a TextView variable.**

**à setBreakTextText**

**public void setBreakTextText(java.lang.String s)**

**Setter for breakTextView using a String variable.**

**à getButton**

**public android.widget.Button getButton()**

**Getter for mButton.**

**à setButton**

**public void setButton(android.widget.Button mButton)**

**Setter for mButton.**

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**ultramirinc.champs\_mood.fragments**

**Class MyViewHolderNotification**

* **java.lang.Object**
* **¨ android.support.v7.widget.RecyclerView.ViewHolder**

**¨à ultramirinc.champs\_mood.fragments.MyViewHolderNotification**

**·**

**public class**

**extends android.support.v7.widget.RecyclerView.ViewHolder**

**Created by William on 2017-04-06. This class makes the transition between the raw data and a visual interpretation for the user's notifications.**

* **¨**

**Field Summary**

**Modifier and Type** **Field and Description**

**193**

**private android.widget.Button**

**private android.widget.TextView**

**private android.widget.TextView**

**private android.widget.TextView**

**à**

[**button**](#page200)

**Contains the Button of the person that sent the notification**

[**isFriendView**](#page195)

**Contains the TextView of the friend status of the person that sent the notification**

[**sentByView**](#page195)

**Contains the TextView of the name of the person that sent the notification**

[**typeView**](#page195)

**Contains the TextView of the notification's type**

**Fields inherited from**

**class android.support.v7.widget.RecyclerView.ViewHolder**

**itemView**

**¨**

**Constructor Summary**

**Constructor and Description**

[**MyViewHolderNotification**](#page195)**(android.view.View itemView)**

**¨**

**Method Summary**

|  |  |  |
| --- | --- | --- |
| **Modifier and Type** | **Method and Description** |  |
|  | [**bind**](#page195)**(**[**Notification**](#page130) **notification)** |  |
| **void** | **Binds the notifications's person name, type and person friend** |  |
|  | **status to their respective TextView variables.** |  |
| **android.widget.Button** | [**getButton**](#page201)**()** |  |
| **Getter for button.** |  |
|  |  |

[**getIsFriendView**](#page196)**()**

**android.widget.TextView Getter for isFriendView.**

[**getSentByView**](#page195)**()**

**android.widget.TextView Getter for sentByView.**

[**getTypeView**](#page196)**()**

**android.widget.TextView Getter for typeView.**

[**setButton**](#page202)**(android.widget.Button button)**

**void**

**Setter for button.**

[**setIsFriendView**](#page196)**(android.widget.TextView isFriendView)**

**void**

**Setter for isFriendView.**

[**setSentByView**](#page196)**(android.widget.TextView sentByView)**

**void**

**Setter for sentByView.**

[**setTypeView**](#page196)**(android.widget.TextView typeView)**

**void**

**Setter for typeView.**

**194**

* **Methods inherited from**

**class android.support.v7.widget.RecyclerView.ViewHolder**

**getAdapterPosition, getItemId, getItemViewType, getLayoutPosition, getOldPosition, getPosition, isRecyclable, setIsRecyclable, toString**

**à**

**Methods inherited from class java.lang.Object**

**clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait**

* **¨**

**Field Detail**

**à button**

**private android.widget.Button button**

**Contains the Button of the person that sent the notification**

**à sentByView**

**private android.widget.TextView sentByView**

**Contains the TextView of the name of the person that sent the notification**

**à typeView**

**private android.widget.TextView typeView**

**Contains the TextView of the notification's type**

**à isFriendView**

**private android.widget.TextView isFriendView**

**Contains the TextView of the friend status of the person that sent the notification**

**¨**

**Constructor Detail**

**à MyViewHolderNotification**

**public MyViewHolderNotification(android.view.View itemView)**

**¨**

**Method Detail**

**à bind**

**public void bind(**[**Notification**](#page130) **notification)**

**Binds the notifications's person name, type and person friend status to their respective TextView variables.**

**195**

**à getSentByView**

**public android.widget.TextView getSentByView()**

**Getter for sentByView.**

**à setSentByView**

**public void setSentByView(android.widget.TextView sentByView)**

**Setter for sentByView.**

**à getTypeView**

**public android.widget.TextView getTypeView()**

**Getter for typeView.**

**à setTypeView**

**public void setTypeView(android.widget.TextView typeView)**

**Setter for typeView.**

**à getIsFriendView**

**public android.widget.TextView getIsFriendView()**

**Getter for isFriendView.**

**à setIsFriendView**

**public void setIsFriendView(android.widget.TextView isFriendView)**

**Setter for isFriendView.**

**à getButton**

**public android.widget.Button getButton()**

**Getter for button.**

**à setButton**

**public void setButton(android.widget.Button button)**

**Setter for button.**

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* [**Method**](#page222)

**ultramirinc.champs\_mood.fragments**

**Class MyViewHolderSearch**

* **java.lang.Object**
* **¨ android.support.v7.widget.RecyclerView.ViewHolder**

**¨à ultramirinc.champs\_mood.fragments.MyViewHolderSearch**

**·**

**public class**

**extends android.support.v7.widget.RecyclerView.ViewHolder**

**Created by William on 2017-04-06. This class does the transition between the raw data and a visual interpretation for the results of a searched person**

* **¨**

**Field Summary**

**Modifier and Type** **Field and Description**

**198**

**private android.widget.TextView**

**private android.widget.Button**

**private java.lang.String**

[**breakTextView**](#page200)

**Contains the TextView of the break text of the person that is searched**

[**button**](#page200)

**Contains the Button of the person that is searched**

[**isFriend**](#page200)

**Contains the String of the friend status of the person that is searched**

**private android.widget.TextView**

**private android.widget.TextView**

**à**

[**moodView**](#page200)

**Contains the TextView of the mood of the person that is searched**

[**nameView**](#page200)

**Contains the TextView of the name of the person that is searched**

**Fields inherited from**

**class android.support.v7.widget.RecyclerView.ViewHolder**

**itemView**

**¨**

**Constructor Summary**

**Constructor and Description**

[**MyViewHolderSearch**](#page200)**(android.view.View itemView)**

**¨**

**Method Summary**

**Modifier and Type** **Method and Description**

[**bind**](#page201)**(**[**User**](#page145) **person)**

**void** **Binds the person's name, mood and friend status to their**

**respective TextView variables.**

**android.widget.TextView**

**android.widget.Button**

**java.lang.String**

**android.widget.TextView**

**android.widget.TextView**

**void**

**void**

[**getBreakTextView**](#page201)**()**

**Getter for breakTextView.**

[**getButton**](#page201)**()**

**Getter for button.**

[**getIsFriend**](#page201)**()**

**Getter for isFriendView.**

[**getMoodView**](#page201)**()**

**Getter for moodView.**

[**getNameView**](#page201)**()**

**Getter for nameView.**

[**setBreakText**](#page201)**(java.lang.String text)**

**Setter for breakTextView using a TextView variable.**

[**setButton**](#page202)**(android.widget.Button button)**

**Setter for button.**

**199**

[**setIsFriend**](#page201)**(java.lang.String isFriend)**

**void**

**Setter for isFriendView.**

[**setMoodView**](#page201)**(android.widget.TextView moodView)**

**void**

**Setter for moodView.**

[**setNameView**](#page201)**(android.widget.TextView nameView)**

**void**

**Setter for nameView.**

**à**

**Methods inherited from**

**class android.support.v7.widget.RecyclerView.ViewHolder**

**getAdapterPosition, getItemId, getItemViewType, getLayoutPosition, getOldPosition, getPosition, isRecyclable, setIsRecyclable, toString**

**à**

**Methods inherited from class java.lang.Object**

**clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait**

* **¨**

**Field Detail**

**à isFriend**

**private java.lang.String isFriend**

**Contains the String of the friend status of the person that is searched**

**à nameView**

**private android.widget.TextView nameView**

**Contains the TextView of the name of the person that is searched**

**à moodView**

**private android.widget.TextView moodView**

**Contains the TextView of the mood of the person that is searched**

**à breakTextView**

**private android.widget.TextView breakTextView**

**Contains the TextView of the break text of the person that is searched**

**à button**

**private android.widget.Button button**

**Contains the Button of the person that is searched**

**¨**

**Constructor Detail**

**200**

**à MyViewHolderSearch**

**public MyViewHolderSearch(android.view.View itemView)**

**¨**

**Method Detail**

**à bind**

**public void bind(**[**User**](#page145) **person)**

**Binds the person's name, mood and friend status to their respective TextView variables.**

**à getNameView**

**public android.widget.TextView getNameView()**

**Getter for nameView.**

**à setNameView**

**public void setNameView(android.widget.TextView nameView)**

**Setter for nameView.**

**à getMoodView**

**public android.widget.TextView getMoodView()**

**Getter for moodView.**

**à setMoodView**

**public void setMoodView(android.widget.TextView moodView)**

**Setter for moodView.**

**à getBreakTextView**

**public android.widget.TextView getBreakTextView()**

**Getter for breakTextView.**

**à setBreakText**

**public void setBreakText(java.lang.String text)**

**Setter for breakTextView using a TextView variable.**

**à getIsFriend**

**public java.lang.String getIsFriend()**

**Getter for isFriendView.**

**à setIsFriend**

**public void setIsFriend(java.lang.String isFriend)**

**Setter for isFriendView.**

**201**

**à getButton**

**public android.widget.Button getButton()**

**Getter for button.**

**à setButton**

**public void setButton(android.widget.Button button)**

**Setter for button.**

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**202**

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* [**Method**](#page222)

**ultramirinc.champs\_mood.fragments**

**Class NotificationFragment**

* **java.lang.Object**
* **¨ android.support.v4.app.Fragment**
  + **à ultramirinc.champs\_mood.fragments.NotificationFragment**
* **All Implemented Interfaces:**

**android.content.ComponentCallbacks, android.view.View.OnCreateContextMenuListener**

**public class**

**extends android.support.v4.app.Fragment**

**Created by Etienne Berube on 2017-03-23. This class is a tab that contains all of the notifications for a given User. It is a tab under TabActivity.**

**203**

**¨ Nested Class Summary**

**à**

**Nested classes/interfaces inherited from class android.support.v4.app.Fragment**

**android.support.v4.app.Fragment.InstantiationException,**

**android.support.v4.app.Fragment.SavedState**

**¨**

**Field Summary**

|  |  |  |
| --- | --- | --- |
| **Modifier and Type** | **Field and Description** |  |
|  | [**context**](#page221) |  |
| **private android.content.Context** | **Context from attached** |  |
|  | **activity** |  |
| **private** | [**mLayoutManager**](#page205) |  |
| **Manages the LinearLayout of** |  |
| **android.support.v7.widget.LinearLayoutManager** |  |
| **layout** |  |
|  |  |
|  | [**nofications**](#page205) |  |
| **private java.util.List<**[**Notification**](#page130)**>** | **Contains a list of all the** |  |
|  | **user's notifications** |  |
|  | [**recyclerView**](#page221) |  |
| **private android.support.v7.widget.RecyclerView** | **Contains the RecyclerView** |  |
|  | **of the layout** |  |
| **¨** |  |  |
| **Constructor Summary** |  |  |
| **Constructor and Description** |  |  |
| [**NotificationFragment**](#page206)**()** |  |  |
| **¨** |  |  |
| **Method Summary** |  |  |

**Modifier and Type** **Method and Description**

**private void**

**private void**

**android.view.View**

[**addNotifications**](#page206)**()**

**Adds a notification to the list.**

[**LoadNotifications**](#page206)**()**

**Gets notification from the Database.**

[**onCreateView**](#page222)**(android.view.LayoutInflater inflater, android.view.ViewGroup container, android.os.Bundle savedInstanceState)**

**Inflates the visual aspect of the Fragment.**

**204**

* **à Methods inherited from**

**class android.support.v4.app.Fragment**

**dump, equals, getActivity, getAllowEnterTransitionOverlap, getAllowReturnTransitionOverlap, getArguments, getChildFragmentManager, getContext, getEnterTransition, getExitTransition, getFragmentManager, getHost, getId, getLayoutInflater, getLoaderManager, getParentFragment, getReenterTransition, getResources, getRetainInstance, getReturnTransition, getSharedElementEnterTransition, getSharedElementReturnTransition, getString, getString, getTag, getTargetFragment, getTargetRequestCode, getText, getUserVisibleHint, getView, hashCode, hasOptionsMenu, instantiate, instantiate, isAdded, isDetached, isHidden, isInLayout, isMenuVisible, isRemoving, isResumed, isVisible, onActivityCreated, onActivityResult, onAttach, onAttach, onAttachFragment, onConfigurationChanged, onContextItemSelected, onCreate, onCreateAnimation, onCreateContextMenu, onCreateOptionsMenu, onDestroy, onDestroyOptionsMenu, onDestroyView, onDetach, onHiddenChanged, onInflate, onInflate, onLowMemory, onMultiWindowModeChanged, onOptionsItemSelected, onOptionsMenuClosed, onPause, onPictureInPictureModeChanged, onPrepareOptionsMenu, onRequestPermissionsResult, onResume, onSaveInstanceState, onStart, onStop, onViewCreated, onViewStateRestored, postponeEnterTransition, registerForContextMenu, requestPermissions, setAllowEnterTransitionOverlap, setAllowReturnTransitionOverlap, setArguments, setEnterSharedElementCallback, setEnterTransition, setExitSharedElementCallback, setExitTransition, setHasOptionsMenu, setInitialSavedState, setMenuVisibility, setReenterTransition, setRetainInstance, setReturnTransition, setSharedElementEnterTransition, setSharedElementReturnTransition, setTargetFragment, setUserVisibleHint, shouldShowRequestPermissionRationale, startActivity, startActivity, startActivityForResult, startActivityForResult, startIntentSenderForResult, startPostponedEnterTransition, toString, unregisterForContextMenu**

**à**

**Methods inherited from class java.lang.Object**

**clone, finalize, getClass, notify, notifyAll, wait, wait, wait**

* **¨**

**Field Detail**

**à recyclerView**

**private android.support.v7.widget.RecyclerView recyclerView**

**Contains the RecyclerView of the layout**

**à mLayoutManager**

**private android.support.v7.widget.LinearLayoutManager mLayoutManager**

**Manages the LinearLayout of layout**

**205**

**à nofications**

**private java.util.List<**[**Notification**](#page130)**> nofications**

**Contains a list of all the user's notifications**

**à context**

**private android.content.Context context**

**Context from attached activity**

**¨**

**Constructor Detail**

**à NotificationFragment**

**public NotificationFragment()**

**¨**

**Method Detail**

**à onCreateView**

**public android.view.View onCreateView(android.view.LayoutInflater inflater, android.view.ViewGroup container, android.os.Bundle savedInstanceState)**

**Inflates the visual aspect of the Fragment.**

**Overrides:**

**onCreateView in class android.support.v4.app.Fragment**

**à addNotifications**

**private void addNotifications()**

**Adds a notification to the list.**

**à LoadNotifications**

**private void LoadNotifications()**

**Gets notification from the Database.**

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**207**

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* [**Method**](#page222)

**ultramirinc.champs\_mood.fragments**

**Class ProfileFragment**

* **java.lang.Object**
* **¨ android.support.v4.app.Fragment**
  + **à ultramirinc.champs\_mood.fragments.ProfileFragment**
* **All Implemented Interfaces:**

**android.content.ComponentCallbacks, android.view.View.OnClickListener, android.view.View.OnCreateContextMenuListener, android.view.View.OnTouchListener, com.google.android.gms.common.api.GoogleApiClient.ConnectionCallbacks, com.google.android.gms.common.api.GoogleApiClient.OnConnectionFailedListener, com.google.android.gms.location.LocationListener, com.google.android.gms.maps.OnMapReadyCallback, java.util.Observer**

**public class**

**extends android.support.v4.app.Fragment**

**implements com.google.android.gms.maps.OnMapReadyCallback, com.google.android.gms.common**

**208**

**Created by Etienne Berube on 2017-03-23. This will be the user's profile. He will be able to change his mood, location and floor from this page.**

* **¨**

**Nested Class Summary**

**à**

**Nested classes/interfaces inherited from class android.support.v4.app.Fragment**

**android.support.v4.app.Fragment.InstantiationException,**

**android.support.v4.app.Fragment.SavedState**

**¨**

**Field Summary**

**Modifier and Type**

**private com.google.android.gms.location.LocationSettingsRequest.Builder**

**private android.content.Context**

**private boolean**

**private com.google.android.gms.common.api.GoogleApiClient**

**private android.widget.ImageButton**

**private android.location.Location**

**private java.lang.String**

**private com.google.android.gms.location.LocationRequest**

**private java.lang.String**

**private com.google.android.gms.maps.GoogleMap**

**private static int**

**private com.google.android.gms.common.api.PendingResult<com.google.android.gms.location.L**

**209**

**private android.view.View**

**à**

**Fields inherited from**

**interface com.google.android.gms.common.api.GoogleApiClient.C**

**CAUSE\_NETWORK\_LOST, CAUSE\_SERVICE\_DISCONNECTED**

**¨**

**Constructor Summary**

**Constructor and Description**

[**ProfileFragment**](#page214)**()**

**¨**

**Method Summary**

**Modifier and Type** **Method and Description**

**private int**

**java.lang.String**

**private void**

**private boolean**

**void**

**private void**

**private void**

**static long**

[**adaptDayOfWeek**](#page218)**(int weekday)**

**There's a mismatch between our original int values of weekdays with the java.u values of weekdays.**

[**breakCalculator**](#page218)**(**[**User**](#page145) **u, java.util.ArrayList<**[**Break**](#page120)**> friendBreaks**

**Calculates the time difference between two breaks.**

[**checkBreakStatus**](#page218)**(**[**User**](#page145) **u)**

**Gets the user's break status (time before a break, in break or no more breaks).**

[**checkPermission**](#page216)**()**

**Check if the application has the authorization to use the device's localisation.**

[**clearMap**](#page217)**()**

**Clears the map.**

[**createGoogleMapClient**](#page215)**()**

**Creates a Google Map API Client in order to use Google's APIs.**

[**createRequestLocation**](#page215)**()**

**Creates the request for the location updates.**

[**getDateDiff**](#page217)**(java.util.GregorianCalendar date1, java.util.Gregor java.util.concurrent.TimeUnit timeUnit)**

**private void**

**void**

**void**

**void**

**Returns the time difference between two dates in milliseconds.**

[**loadProfile**](#page214)**()**

**Gets the user's information from the database.**

[**onAttach**](#page214)**(android.content.Context context)**

**Gets called when the fragment gets attached to an activity.**

[**onClick**](#page216)**(android.view.View v)**

**prevents the user to click on undesired elements.**

[**onConnected**](#page215)**(android.os.Bundle bundle)**

**Enables the user to update his or her location and start the location updates fro**

**210**

**Stops the location updates from the device when the fragment stops.**

[**onTouch**](#page217)**(android.view.View v, android.view.MotionEvent event)**

**Prevents the user to swipe undesired elements.**

[**printLocation**](#page218)**()**

**Prints user's location.**

[**requestPermission**](#page217)**(java.lang.String permissionName, int permissi**

**Requests a permission to a given aspect to the user.**

[**setMood**](#page214)**(java.lang.String mood)**

**Changes the user's Mood in the database.**

[**setUserAndPaintProfile**](#page214)**(**[**User**](#page145) **u)**

**Changes the layout according to the user's information.**

[**startLocationUpdates**](#page216)**()**

**Start the location updates.**

[**stopLocationUpdates**](#page216)**()**

**Stop the location updates.**

[**update**](#page214)**(java.util.Observable o, java.lang.Object arg)**

**Updates the user's information when a field is changed in the database.**

[**updateLocation**](#page217)**()**

**Update the user's location on the map and in the database.**

**211**

**void**

**boolean**

**void**

**private void**

**private void**

**void**

**void**

**protected void**

**void**

**void**

**Reconnects to the Google API Client (if needed) and start the location updates**

[**onStart**](#page215)**()**

**Create or connect to a Google Api Client (if needed) and start location updates the fragment starts.**

[**onStop**](#page215)**()**

**void**

**void**

**Handles the result of the the permission request.** [**onResume**](#page215)**()**

**int[] grantResults)**

[**onRequestPermissionsResult**](#page217)**(int requestCode, java.lang.String[]**

**Stops the location updates from the user's device and disconnect the Google AP**

[**onPause**](#page215)**()**

**Sets the map when it is ready to be used (location, zoom, markers).**

[**onMapReady**](#page216)**(com.google.android.gms.maps.GoogleMap googleMap)**

**Handles the event where the user's location changes.**

[**onLocationChanged**](#page217)**(android.location.Location location)**

**Destroys the map when the fragment stops in order to prevent re-inflation of th**

[**onDestroyView**](#page216)**()**

**Inflates the fragment's visual layout.**

[**onCreateView**](#page222)**(android.view.LayoutInflater inflater, android.view.View android.view.ViewGroup container, android.os.Bundle savedInstan**

**void**

**void**

**void**

**void**

**void**

**Stops the location updates if the connection to the Google API Client is lost.**

**void**

**Handles the event where the connection to the Google API Client fails.** [**onConnectionSuspended**](#page216)**(int i)**

**void**

[**onConnectionFailed**](#page216)**(com.google.android.gms.common.ConnectionResu**

* **Methods inherited from**

**class android.support.v4.app.Fragment**

**dump, equals, getActivity, getAllowEnterTransitionOverlap, getAllowReturnTransitionOverlap, getArguments, getChildFragmentManager, getContext, getEnterTransition, getExitTransition, getFragmentManager, getHost, getId, getLayoutInflater, getLoaderManager, getParentFragment, getReenterTransition, getResources, getRetainInstance, getReturnTransition, getSharedElementEnterTransition, getSharedElementReturnTransition, getString, getString, getTag, getTargetFragment, getTargetRequestCode, getText, getUserVisibleHint, getView, hashCode, hasOptionsMenu, instantiate, instantiate, isAdded, isDetached, isHidden, isInLayout, isMenuVisible, isRemoving, isResumed, isVisible, onActivityCreated, onActivityResult, onAttach, onAttachFragment, onConfigurationChanged, onContextItemSelected, onCreate, onCreateAnimation, onCreateContextMenu, onCreateOptionsMenu, onDestroy, onDestroyOptionsMenu, onDetach, onHiddenChanged, onInflate, onInflate, onLowMemory, onMultiWindowModeChanged, onOptionsItemSelected, onOptionsMenuClosed, onPictureInPictureModeChanged, onPrepareOptionsMenu, onSaveInstanceState, onViewCreated, onViewStateRestored, postponeEnterTransition, registerForContextMenu, requestPermissions, setAllowEnterTransitionOverlap, setAllowReturnTransitionOverlap, setArguments, setEnterSharedElementCallback, setEnterTransition, setExitSharedElementCallback, setExitTransition, setHasOptionsMenu, setInitialSavedState, setMenuVisibility, setReenterTransition, setRetainInstance, setReturnTransition, setSharedElementEnterTransition, setSharedElementReturnTransition, setTargetFragment, setUserVisibleHint, shouldShowRequestPermissionRationale, startActivity, startActivity, startActivityForResult, startActivityForResult, startIntentSenderForResult, startPostponedEnterTransition, toString, unregisterForContextMenu**

**à**

**Methods inherited from class java.lang.Object**

**clone, finalize, getClass, notify, notifyAll, wait, wait, wait**

* **¨**

**Field Detail**

**à MY\_PERMISSION\_ACCESS\_FINE\_LOCATION**

**private static final int MY\_PERMISSION\_ACCESS\_FINE\_LOCATION**

**Constant for the permission of the Fine Location**

**See Also:**

[**Constant Field Values**](#ultramirinc.champs_mood.fragments.ProfileFragment.MY_PERMISSION_ACCESS_FINE_LOCATION)

**à mMap**

**private com.google.android.gms.maps.GoogleMap mMap**

**Contains map for fragment**

**212**

**à mGoogleApiClient**

**private com.google.android.gms.common.api.GoogleApiClient mGoogleApiClient**

**Contains Google Api Client**

**à mLastLocation**

**private android.location.Location mLastLocation**

**Contains the last known location of the user**

**à mLatitudeText**

**private java.lang.String mLatitudeText**

**A String version of the user's last known latitude**

**à mLongitudeText**

**private java.lang.String mLongitudeText**

**A String version of the user's last known longitude**

**à view**

**private android.view.View view**

**Contains the fragments visual layout**

**à mGpsUpdate**

**private android.widget.ImageButton mGpsUpdate**

**Contains the button for the GPS update**

**à mLocationRequest**

**private com.google.android.gms.location.LocationRequest mLocationRequest**

**Contains the location request in order to get updates form the user's device**

**à context**

**private android.content.Context context**

**Contains the context from the attached activity**

**à builder**

**private com.google.android.gms.location.LocationSettingsRequest.Builder bui**

**Contains the a builder to change the user's device GPS state**

**à result**

**private com.google.android.gms.common.api.PendingResult<com.google.android.**

**Contains the result of the permission validity**

**213**

**à mapIsReady**

**private boolean mapIsReady**

**If the map is ready**

**¨**

**Constructor Detail**

**à ProfileFragment**

**public ProfileFragment()**

**¨**

**Method Detail**

**à onAttach**

**public void onAttach(android.content.Context context)**

**Gets called when the fragment gets attached to an activity. This method gets the context.**

**Overrides:**

**onAttach in class android.support.v4.app.Fragment**

**à onCreateView**

**public android.view.View onCreateView(android.view.LayoutInflater inflater, android.view.ViewGroup container, android.os.Bundle savedInstanceState)**

**Inflates the fragment's visual layout.**

**Overrides:**

**onCreateView in class android.support.v4.app.Fragment**

**à update**

**public void update(java.util.Observable o, java.lang.Object arg)**

**Updates the user's information when a field is changed in the database.**

**Specified by:**

**update in interface java.util.Observer**

**à setMood**

**private void setMood(java.lang.String mood)**

**Changes the user's Mood in the database.**

**à loadProfile**

**private void loadProfile()**

**Gets the user's information from the database.**

**214**

**à setUserAndPaintProfile**

**public void setUserAndPaintProfile(**[**User**](#page145) **u)**

**Changes the layout according to the user's information.**

**à onStart**

**public void onStart()**

**Create or connect to a Google Api Client (if needed) and start location updates from the device when the fragment starts.**

**Overrides:**

**onStart in class android.support.v4.app.Fragment**

**à onStop**

**public void onStop()**

**Stops the location updates from the device when the fragment stops.**

**Overrides:**

**onStop in class android.support.v4.app.Fragment**

**à onResume**

**public void onResume()**

**Reconnects to the Google API Client (if needed) and start the location updates from the user's device.**

**Overrides:**

**onResume in class android.support.v4.app.Fragment**

**à onPause**

**public void onPause()**

**Stops the location updates from the user's device and disconnect the Google API client.**

**Overrides:**

**onPause in class android.support.v4.app.Fragment**

**à onConnected**

**public void onConnected(@Nullable android.os.Bundle bundle)**

**Enables the user to update his or her location and start the location updates from the user's device.**

**Specified by:**

**onConnected in**

**interface com.google.android.gms.common.api.GoogleApiClient.ConnectionC**

**à createGoogleMapClient**

**private void createGoogleMapClient()**

**Creates a Google Map API Client in order to use Google's APIs.**

**215**

**à createRequestLocation**

**private void createRequestLocation()**

**Creates the request for the location updates.**

**à onMapReady**

**public void onMapReady(com.google.android.gms.maps.GoogleMap googleMap)**

**Sets the map when it is ready to be used (location, zoom, markers).**

**Specified by:**

**onMapReady in**

**interface com.google.android.gms.maps.OnMapReadyCallback**

**à checkPermission**

**private boolean checkPermission()**

**Check if the application has the authorization to use the device's localisation.**

**à onConnectionSuspended**

**public void onConnectionSuspended(int i)**

**Stops the location updates if the connection to the Google API Client is lost. Specified by:**

**onConnectionSuspended in**

**interface com.google.android.gms.common.api.GoogleApiClient.ConnectionC**

**à onConnectionFailed**

**public void onConnectionFailed(@NonNull com.google.android.gms.common.ConnectionResu**

**Handles the event where the connection to the Google API Client fails.**

**Specified by:**

**onConnectionFailed in**

**interface com.google.android.gms.common.api.GoogleApiClient.OnConnectio**

**à startLocationUpdates**

**public void startLocationUpdates()**

**Start the location updates.**

**à stopLocationUpdates**

**protected void stopLocationUpdates()**

**Stop the location updates.**

**à onDestroyView**

**public void onDestroyView()**

**Destroys the map when the fragment stops in order to prevent re-inflation of the view.**

**Overrides:**

**onDestroyView in class android.support.v4.app.Fragment**

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**à onClick**

**public void onClick(android.view.View v)**

**prevents the user to click on undesired elements. Specified by:**

**onClick in interface android.view.View.OnClickListener**

**à onTouch**

**public boolean onTouch(android.view.View v, android.view.MotionEvent event)**

**Prevents the user to swipe undesired elements.**

**Specified by:**

**onTouch in interface android.view.View.OnTouchListener**

**à onLocationChanged**

**public void onLocationChanged(android.location.Location location)**

**Handles the event where the user's location changes.**

**Specified by:**

**onLocationChanged in**

**interface com.google.android.gms.location.LocationListener**

**à updateLocation**

**public void updateLocation()**

**Update the user's location on the map and in the database.**

**à requestPermission**

**private void requestPermission(java.lang.String permissionName, int permissionRequestCode)**

**Requests a permission to a given aspect to the user.**

**à onRequestPermissionsResult**

**public void onRequestPermissionsResult(int requestCode, java.lang.String[] permissions, int[] grantResults)**

**Handles the result of the the permission request.**

**Overrides:**

**onRequestPermissionsResult in**

**class android.support.v4.app.Fragment**

**à clearMap**

**public void clearMap()**

**Clears the map.**

**à getDateDiff**

**public static long getDateDiff(java.util.GregorianCalendar date1, java.util.GregorianCalendar date2, java.util.concurrent.TimeUnit timeUnit)**

**217**

**Returns the time difference between two dates in milliseconds.**

**à checkBreakStatus**

**private void checkBreakStatus(**[**User**](#page145) **u)**

**Gets the user's break status (time before a break, in break or no more breaks).**

**à breakCalculator**

**public java.lang.String breakCalculator(**[**User**](#page145) **u,**

**java.util.ArrayList<**[**Break**](#page120)**> friendBr**

**Calculates the time difference between two breaks.**

**à adaptDayOfWeek**

**private int adaptDayOfWeek(int weekday)**

**There's a mismatch between our original int values of weekdays with the java.utils.calendar integer values of weekdays.**

**à printLocation**

**public void printLocation()**

**Prints user's location.**

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**ultramirinc.champs\_mood.fragments**

**Class SearchFragment**

* **java.lang.Object**
* **¨ android.support.v4.app.Fragment**
  + **à ultramirinc.champs\_mood.fragments.SearchFragment**
* **All Implemented Interfaces:**

**android.content.ComponentCallbacks, android.view.View.OnCreateContextMenuListener**

**public class**

**extends android.support.v4.app.Fragment**

**Created by Etienne Berube on 2017-03-23. This class allows the user to search for friends or potential friends on the database. It is a tab for TabActivity.**

**219**

**¨ Nested Class Summary**

**à**

**Nested classes/interfaces inherited from class android.support.v4.app.Fragment**

**android.support.v4.app.Fragment.InstantiationException,**

**android.support.v4.app.Fragment.SavedState**

**¨**

**Field Summary**

**Modifier and Type**

**private android.content.Context**

**(package private) com.google.firebase.database.DatabaseReference**

**private java.util.List<**[**User**](#page145)**>**

**(package private) android.app.ProgressDialog**

**private android.support.v7.widget.RecyclerView**

**¨**

**Constructor Summary**

**Constructor and Description**

[**SearchFragment**](#page222)**()**

**¨**

**Method Summary**

**Field and Description**

[**context**](#page221)

**Contains the context of the attached activity**

[**databaseUsers**](#page222)

**Contains a reference to the database used**

[**people**](#page221)

**Contains a list with the people found by the search query**

[**progressDialog**](#page222)

**Contains a progress dialog**

[**recyclerView**](#page221)

**Contains the layout's RecyclerView**

**Modifier and Type** **Method and Description**

[**onCreate**](#page222)**(android.os.Bundle savedInstanceState)**

**void**

**Sets certain parameters when the fragment is created.**

[**onCreateView**](#page222)**(android.view.LayoutInflater inflater,**

**android.view.ViewGroup container, android.view.View android.os.Bundle savedInstanceState)**

**Inflates the visual layout to the fragment.**

[**searchUsers**](#page222)**(java.lang.String query)**

**void**

**Searches for users with a given user name in the database**

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* **à Methods inherited from**

**class android.support.v4.app.Fragment**

**dump, equals, getActivity, getAllowEnterTransitionOverlap, getAllowReturnTransitionOverlap, getArguments, getChildFragmentManager, getContext, getEnterTransition, getExitTransition, getFragmentManager, getHost, getId, getLayoutInflater, getLoaderManager, getParentFragment, getReenterTransition, getResources, getRetainInstance, getReturnTransition, getSharedElementEnterTransition, getSharedElementReturnTransition, getString, getString, getTag, getTargetFragment, getTargetRequestCode, getText, getUserVisibleHint, getView, hashCode, hasOptionsMenu, instantiate, instantiate, isAdded, isDetached, isHidden, isInLayout, isMenuVisible, isRemoving, isResumed, isVisible, onActivityCreated, onActivityResult, onAttach, onAttach, onAttachFragment, onConfigurationChanged, onContextItemSelected, onCreateAnimation, onCreateContextMenu, onCreateOptionsMenu, onDestroy, onDestroyOptionsMenu, onDestroyView, onDetach, onHiddenChanged, onInflate, onInflate, onLowMemory, onMultiWindowModeChanged, onOptionsItemSelected, onOptionsMenuClosed, onPause, onPictureInPictureModeChanged, onPrepareOptionsMenu, onRequestPermissionsResult, onResume, onSaveInstanceState, onStart, onStop, onViewCreated, onViewStateRestored, postponeEnterTransition, registerForContextMenu, requestPermissions, setAllowEnterTransitionOverlap, setAllowReturnTransitionOverlap, setArguments, setEnterSharedElementCallback, setEnterTransition, setExitSharedElementCallback, setExitTransition, setHasOptionsMenu, setInitialSavedState, setMenuVisibility, setReenterTransition, setRetainInstance, setReturnTransition, setSharedElementEnterTransition, setSharedElementReturnTransition, setTargetFragment, setUserVisibleHint, shouldShowRequestPermissionRationale, startActivity, startActivity, startActivityForResult, startActivityForResult, startIntentSenderForResult, startPostponedEnterTransition, toString, unregisterForContextMenu**

**à**

**Methods inherited from class java.lang.Object**

**clone, finalize, getClass, notify, notifyAll, wait, wait, wait**

* **¨**

**Field Detail**

**à recyclerView**

**private android.support.v7.widget.RecyclerView recyclerView**

**Contains the layout's RecyclerView**

**à people**

**private java.util.List<**[**User**](#page145)**> people**

**Contains a list with the people found by the search query**

**221**

**à context**

**private android.content.Context context**

**Contains the context of the attached activity**

**à databaseUsers**

**com.google.firebase.database.DatabaseReference databaseUsers**

**Contains a reference to the database used**

**à progressDialog**

**android.app.ProgressDialog progressDialog**

**Contains a progress dialog**

**¨**

**Constructor Detail**

**à SearchFragment**

**public SearchFragment()**

**¨**

**Method Detail**

**à onCreate**

**public void onCreate(android.os.Bundle savedInstanceState)**

**Sets certain parameters when the fragment is created.**

**Overrides:**

**onCreate in class android.support.v4.app.Fragment**

**à onCreateView**

**public android.view.View onCreateView(android.view.LayoutInflater inflater, android.view.ViewGroup container, android.os.Bundle savedInstanceState)**

**Inflates the visual layout to the fragment.**

**Overrides:**

**onCreateView in class android.support.v4.app.Fragment**

**à searchUsers**

**public void searchUsers(java.lang.String query)**

**Searches for users with a given user name in the database**

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