ultramirinc.champs_mood

Class LoginActivity

java.lang.Object
    android.content.Context
        android.content.ContextWrapper
            android.view.ContextThemeWrapper
                android.app.Activity
                    android.support.v4.app.SupportActivity
                        android.support.v4.app.FragmentActivity
                            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, android.view.View.OnCreateContextMenuListener, android.view.Window.Callback

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public class **LoginActivity**
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

Nested Classes	
Modifier and Type	**Class and Description**
private static interface	**LoginActivity.ProfileQuery** Interface for the profile query.

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

Field Summary

Fields	
Modifier and Type	**Field and Description**
private boolean	**cancel** Contains a boolean value of cancellation for the account that is logging in
private com.google.firebase.auth.FirebaseAuth	**firebaseAuth** Defining Firebase auth object
private android.view.View	**focusView** Contains a View of the focus of the account that is logging in
private android.widget.AutoCompleteTextView	**mEmailView** Contains a AutoCompleteTextView of the email of the account that is logging in
private android.view.View	**mLoginFormView** Contains a View of the login form of the account that is logging in

private android.widget.EditText	**mPasswordView**
	Contains a EditText of the password of the account that is logging in
private android.app.ProgressDialog	**progressDialog**
	Contains a ProgressDialog of the account that is logging in
private static int	**REQUEST_READ_CONTACTS**
	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

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

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

Constructors

Constructor and Description
LoginActivity()

Method Summary

All Methods	Instance Methods	Concrete Methods

Modifier and Type	Method and Description
private void	**addEmailsToAutoComplete**(java.util.List<java.lang.String> emailAddressCollection)
	Creates adapter to tell the AutoCompleteTextView what to show in its dropdown list.
private void	**attemptLogin**()
	Attempts to sign in or register the account specified by the login form.
private boolean	**isEmailValid**(java.lang.String email)
	Checks if the email is valid.
private boolean	**isPasswordValid**(java.lang.String password)
	Checks if the password is valid.
private boolean	**mayRequestContacts**()
	Requests the user's permission to access the contacts.
void	**onBackPressed**()

	Prevents the user from using the back button
protected void	**onCreate**(android.os.Bundle savedInstanceState) Creates and inflates the layout of the activity.
android.content.Loader<android.database.Cursor>	**onCreateLoader**(int i, android.os.Bundle bundle) Creates and inflates the layout of the loader.
void	**onLoaderReset**(android.content.Loader<android.database.Cursor> cursorLoader) Handles if the loader is reset.
void	**onLoadFinished**(android.content.Loader<android.database.Cursor> cursorLoader, android.database.Cursor cursor) Handles if the loader is finished.
void	**onRequestPermissionsResult**(int requestCode, java.lang.String[] permissions, int[] grantResults) Callback received when a permissions request has been completed.
private void	**populateAutoComplete**() Fills in the blanks if the permission for the contacts is not granted.
void	**startRegisterActivityView**(android.view.View view) Starts the RegisterActivity
private void	**userLogin**(java.lang.String email, java.lang.String password) 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

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

Methods inherited from class android.support.v4.app.SupportActivity

getExtraData, putExtraData

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, 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

Methods inherited from class android.view.ContextThemeWrapper

applyOverrideConfiguration, attachBaseContext, getAssets, getTheme

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

Methods inherited from class android.content.Context

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

Methods inherited from class java.lang.Object

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

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Field Detail

REQUEST_READ_CONTACTS

private static final int REQUEST_READ_CONTACTS

Id to identity READ_CONTACTS permission request.

See Also:

Constant Field Values

firebaseAuth

private com.google.firebase.auth.FirebaseAuth firebaseAuth

Defining Firebase auth object

progressDialog

```
private android.app.ProgressDialog progressDialog
```

Contains a ProgressDialog of the account that is logging in

mEmailView

```
private android.widget.AutoCompleteTextView mEmailView
```

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

mPasswordView

```
private android.widget.EditText mPasswordView
```

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

cancel

```
private boolean cancel
```

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

focusView

```
private android.view.View focusView
```

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

mLoginFormView

```
private android.view.View mLoginFormView
```

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

Constructor Detail

LoginActivity

```
public LoginActivity()
```

Method Detail

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

populateAutoComplete

```
private void populateAutoComplete()
```

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

mayRequestContacts

```
private boolean mayRequestContacts()
```

Requests the user's permission to access the contacts.

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.OnRequestPermissionsResultCallback
```

Overrides:

```
onRequestPermissionsResult in class android.support.v4.app.FragmentActivity
```

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.

isEmailValid

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

Checks if the email is valid.

isPasswordValid

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

Checks if the password is valid.

onCreateLoader

```
public android.content.Loader<android.database.Cursor> onCreateLoader(int i,
                                                                      android.os.Bundle bundle)
```

Creates and inflates the layout of the loader.

Specified by:

```
onCreateLoader in interface android.app.LoaderManager.LoaderCallbacks<android.database.Cursor>
```

onLoadFinished

```
public void onLoadFinished(android.content.Loader<android.database.Cursor> cursorLoader,
                           android.database.Cursor cursor)
```

Handles if the loader is finished.

Specified by:

```
onLoadFinished in interface android.app.LoaderManager.LoaderCallbacks<android.database.Cursor>
```

onLoaderReset

```
public void onLoaderReset(android.content.Loader<android.database.Cursor> cursorLoader)
```

Handles if the loader is reset.

Specified by:

```
onLoaderReset in interface android.app.LoaderManager.LoaderCallbacks<android.database.Cursor>
```

addEmailsToAutoComplete

`private void addEmailsToAutoComplete(java.util.List<java.lang.String> emailAddressCollection)`

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

userLogin

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

Logs the user in

startRegisterActivityView

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

Starts the RegisterActivity

onBackPressed

`public void onBackPressed()`

Prevents the user from using the back button

Overrides:

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