ultramirinc.champs_mood

Class RegisterActivity

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

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public class **RegisterActivity**
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

Nested Classes

Modifier and Type	Class and Description
private static interface	**RegisterActivity.ProfileQuery** Interface for the profile query
class	**RegisterActivity.UserRegisterTask** 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

Fields

Modifier and Type	Field and Description
private com.google.firebase.auth.FirebaseAuth	**firebaseAuth** Defining firebase auth object
private RegisterActivity.UserRegisterTask	**mAuthTask** Keep track of the login task to ensure we can cancel it if requested.
private android.widget.EditText	**mConfirmView** Contains a EditText of the password confirmation of the account that is being created
private android.widget.AutoCompleteTextView	**mEmailView** Contains a AutoCompleteTextView of the email of the

		account that is being created
private android.widget.AutoCompleteTextView	**mNameView**	
	Contains a AutoCompleteTextView of the name of the account that is being created	
private android.widget.EditText	**mPasswordView**	
	Contains a EditText of the password of the account that is being created	
private android.view.View	**mProgressView**	
	Contains a View of the progress of the account that is being created	
private android.view.View	**mRegisterFormView**	
	Contains a View of the register form of the account that is being created	
private android.app.ProgressDialog	**progressDialog**	
	Contains a ProgressDialog of the account that is being created	
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
RegisterActivity()

Method Summary

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
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
private void	**registerUser**(java.lang.String email, java.lang.String password) Registers the user
private void	**showProgress**(boolean show) Shows the progress UI and hides the login form.

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, 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

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

Field Detail

REQUEST_READ_CONTACTS

`private static final int REQUEST_READ_CONTACTS`

Id to identity READ_CONTACTS permission request.

See Also:

Constant Field Values

mAuthTask

`private RegisterActivity.UserRegisterTask mAuthTask`

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

mNameView

`private android.widget.AutoCompleteTextView mNameView`

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

mEmailView

`private android.widget.AutoCompleteTextView mEmailView`

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

mPasswordView

`private android.widget.EditText mPasswordView`

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

mConfirmView

`private android.widget.EditText mConfirmView`

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

mProgressView

`private android.view.View mProgressView`

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

mRegisterFormView

`private android.view.View mRegisterFormView`

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

progressDialog

`private android.app.ProgressDialog progressDialog`

Contains a ProgressDialog of the account that is being created

firebaseAuth

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

Defining firebase auth object

Constructor Detail

RegisterActivity

```
public RegisterActivity()
```

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

registerUser

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

Registers the user

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.

showProgress

```
private void showProgress(boolean show)
```

Shows the progress UI and hides the login form.

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.