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Namespace Uralstech.UMoth.GoogleSignIn

Classes

[GoogleAuthCallbackReceiver](#)

Callback receiver for events from the native plugin.

[GoogleIdTokenCredential](#)

Google ID token based credential.

[GoogleSignInManager](#)

Class to handle Google account sign-in.

Interfaces

[IGoogleAuthCallbackReceiver](#)

Callback receiver object for Google auth events.

Enums

[SignInFailReason](#)

Reason for Sign-In failures.

Class GoogleAuthCallbackReceiver

Namespace: [Uralstech.UMoth.GoogleSignIn](#)

Callback receiver for events from the native plugin.

```
public class GoogleAuthCallbackReceiver : AndroidJavaProxy
```

Inheritance

object ← GoogleAuthCallbackReceiver

Constructors

GoogleAuthCallbackReceiver(IGoogleAuthCallbackReceiver)

```
public GoogleAuthCallbackReceiver(IGoogleAuthCallbackReceiver callbackReceiver)
```

Parameters

callbackReceiver [IGoogleAuthCallbackReceiver](#)

The C# callback receiver for native plugin events.

Fields

NativeInterface

The fully qualified name of the Kotlin interface this class is implementing.

```
public const string NativeInterface = "com.uralstech.umoth.GoogleAuthCallbackReceiver"
```

Field Value

string

_callbackReceiver

The C# callback receiver for native plugin events.

```
protected IGoogleAuthCallbackReceiver _callbackReceiver
```

Field Value

[IGoogleAuthCallbackReceiver](#)

Methods

Invoke(string, nint)

```
public override nint Invoke(string methodName, nint javaArgs)
```

Parameters

methodName string

javaArgs nint

Returns

nint

Class GoogleIdTokenCredential

Namespace: [Uralstech.UMoTh.GoogleSignIn](#)

Google ID token based credential.

```
public record GoogleIdTokenCredential
```

Inheritance

object ← GoogleIdTokenCredential

Constructors

GoogleIdTokenCredential(string?, string?, string?, string, string, string?, string?)

```
protected GoogleIdTokenCredential(string? displayName, string? familyName, string?  
givenName, string emailId, string idToken, string? phoneNumber, string? profilePictureUri)
```

Parameters

displayName string

familyName string

givenName string

emailId string

idToken string

phoneNumber string

profilePictureUri string

Fields

DisplayName

Display name to show on the entry.

```
public readonly string? DisplayName
```

Field Value

string

EmailId

The email address associated with user's Google Account.

```
public readonly string EmailId
```

Field Value

string

FamilyName

User's family name.

```
public readonly string? FamilyName
```

Field Value

string

GivenName

User's given name.

```
public readonly string? GivenName
```

Field Value

string

IdToken

User's Google ID Token.

```
public readonly string IdToken
```

Field Value

string

PhoneNumber

User's stored phone number.

```
public readonly string? PhoneNumber
```

Field Value

string

ProfilePictureUri

User's profile picture uri.

```
public readonly string? ProfilePictureUri
```

Field Value

string

Class GoogleSignInManager

Namespace: [Uralstech.UMoTh.GoogleSignIn](#)

Class to handle Google account sign-in.

```
public class GoogleSignInManager : DontCreateNewSingleton<GoogleSignInManager>,
    IGoogleAuthCallbackReceiver
```

Inheritance

object ← GoogleSignInManager

Implements

[IGoogleAuthCallbackReceiver](#)

Fields

AndroidNativeClass

The fully qualified name of the Kotlin plugin class.

```
public const string AndroidNativeClass = "com.uralstech.umoth.GoogleAuth"
```

Field Value

string

OnSignInFailed

Called when the sign-in flow fails, with the failure reason.

```
public UnityEvent<SignInFailReason> OnSignInFailed
```

Field Value

UnityEvent<[SignInFailReason](#)>

OnSignOutFailed

Called when the sign-out flow fails.

```
public UnityEvent OnSignOutFailed
```

Field Value

UnityEvent

OnSignedIn

Called when the sign-in flow succeeds, with the The Google ID Token credential.

```
public UnityEvent<GoogleIdTokenCredential> OnSignedIn
```

Field Value

UnityEvent<[GoogleIdTokenCredential](#)>

OnSignedOut

Called when the sign-out flow succeeds.

```
public UnityEvent OnSignedOut
```

Field Value

UnityEvent

_callbackReceiver

The native callback receiver.

```
protected GoogleAuthCallbackReceiver _callbackReceiver
```

Field Value

[GoogleAuthCallbackReceiver](#)

_pluginInstance

The native plugin instance.

```
protected AndroidJavaObject? _pluginInstance
```

Field Value

AndroidJavaObject?

Properties

ServerClientId

The server's client ID to use as the audience for Google ID tokens generated during the sign-in.

```
public string ServerClientId { protected get; set; }
```

Property Value

string

Methods

Awake()

```
protected override void Awake()
```

OnDestroy()

```
protected void OnDestroy()
```

SignIn(string?, bool, bool)

Starts the Google Sign-In flow.

```
public void SignIn(string? nonce = null, bool filterByAuthorizedAccount = true, bool  
autoSelectSignIn = true)
```

Parameters

nonce string

The nonce to use when generating a Google ID token.

filterByAuthorizedAccount bool

Whether to only allow the user to select from Google accounts that are already authorized to sign in to your application.

autoSelectSignIn bool

The auto-select behavior in the request.

SignInAsync(string?, bool, bool)

Starts the Google Sign-In flow.

```
public Awaitable<(GoogleIdTokenCredential?, SignInFailReason)> SignInAsync(string? nonce =  
null, bool filterByAuthorizedAccount = true, bool autoSelectSignIn = true)
```

Parameters

nonce string

The nonce to use when generating a Google ID token.

filterByAuthorizedAccount bool

Whether to only allow the user to select from Google accounts that are already authorized to sign in to your application.

`autoSelectSignIn` bool

The auto-select behavior in the request.

Returns

`Awaitable<(GoogleIdTokenCredential, SignInFailReason)>`

The ID token credential or the failure reason.

SignInOut()

Starts the sign-out flow.

```
public void SignInOut()
```

SignInOutAsync()

Starts the sign-out flow.

```
public Awaitable<bool> SignInOutAsync()
```

Returns

`Awaitable<bool>`

If the operation was successful.

Interface IGoogleAuthCallbackReceiver

Namespace: [Uralstech.UMoTh.GoogleSignIn](#)

Callback receiver object for Google auth events.

```
public interface IGoogleAuthCallbackReceiver
```

Methods

OnSignInFailed(SignInFailReason)

Called when the sign-in flow fails.

```
void OnSignInFailed(SignInFailReason reason)
```

Parameters

reason [SignInFailReason](#)

The reason for failure.

OnSignOutFailed()

Called when the sign-out flow fails.

```
void OnSignOutFailed()
```

OnSignedIn(GoogleIdTokenCredential)

Called when the sign-in flow succeeds.

```
void OnSignedIn(GoogleIdTokenCredential credential)
```

Parameters

credential [GoogleIdTokenCredential](#)

The Google ID Token credential.

OnSignedOut()

Called when the sign-out flow succeeds.

```
void OnSignedOut()
```

Enum SignInFailReason

Namespace: [Uralstech.UMoth.GoogleSignIn](#)

Reason for Sign-In failures.

```
public enum SignInFailReason
```

Fields

GenericError = 0

Generic error from the native credential request.

InvalidGoogleIdResponse = 2

The Google ID token was not valid.

UnknownCredentialType = 1

The returned credential was not recognized.