Table of Contents

SUGAR Unity Client
Tutorials
Quick Start
Seeding
Client Prefabs
Build Instructions
Features
Saving Data
SUGARManager
Development
Documentation
Api
PlayGen.SUGAR.Unity
AccountUnityClient
ActorResponseAllowableActions
BaseAccountInterface
BaseEvaluationListInterface
BaseEvaluationPopupInterface
BaseGroupMemberInterface
BaseInterface
BaseLeaderboardInterface
BaseLeaderboardListInterface
BaseUnityClient <t></t>
BaseUserFriendInterface
BaseUserGroupInterface
CommandLineOptions
CommandLineUtility
Config
CustomInterface
EvaluationUnityClient
GameDataUnityClient
GroupMemberUnityClient

LeaderboardListUnityClient

LeaderboardUnityClient

ResourceUnityClient

ResponseHandler

SavedPrefsHandler

SUGARManager

SUGARUnityManager

UserFriendUnityClient

UserGroupUnityClient

PlayGen.SUGAR.Unity.Editor

AutoLogIn

EditGameSeed

EditGameSeedWindow

SeedGame

SeedGameWindow

SetEditorAutoLogin

SetEditorAutoLogin.AutoLoginOption

Set Editor Auto Login. Bool Value

SetEditorAutoLogin.StringValue

PlayGen.SUGAR.Unity.WebGL

UnityWebGlHttpHandler

SUGAR-Unity Client

Welcome to the documentation for the Unity Client of the SUGAR Engine.

Online Documentation

You can fine the online version of the SUGAR Unity Client here

SUGAR Engine

If you haven't already read the documentation for the SUGAR Engine, it is highly recommended that you do that first as that is where the core concepts are explained along with a demo and other useful information.

SUGAR Engine Documentation

Tutorials

This section provides tutorials for the various tasks a developer may want to explore around using and customizing the SUGAR
Unity Client.

Quick Start

Note: Please ensure you have created a SUGAR account before going through the following steps.

If you don't already have one, you can create a SUGAR account here.

Build the SUGAR Unity Client

1. Open and build the PlayGen.SUGAR.Unity project.

Add SUGAR

1. Add the 'SUGAR' prefab, found at SUGAR/Prefabs/SUGAR, into your starting scene. All of the interfaces referenced on the Unity Clients on this object can be found at SUGAR/Example/Prefabs/Landscape.

Create Game Seed File

- 1. Open the 'Edit Game Seed' tool by clicking Tools/SUGAR/Edit Game Seed.
- 2. Create a new game seed by clicking the 'Create Game Seed' button.
- 3. Fill in the 'Name' field with the name of the game you wish to seed.
- 4. Save this basic Seed file by clicking the 'Save' button. If you do not change the selected file, this will overwrite the provided 'GameSeed' file.
- 5. If you wish to set up the achievements, leaderboards and skills for your game now, go to the guide on Seeding for further details

Seed Game

- 1. Open the 'Seed Game' tool by clicking Tools/SUGAR/Seed Game.
- 2. Fill in the provided Username and Password fields with your SUGAR details.
- 3. If you did not overwrite the provided 'GameSeed' file, change the 'Game Seed File' field to use the file you created during step 2.
- 4. Click the 'Sign-in and Seed' button to add the game to the platform. This step will fail if the seed file is invalid or you provide invalid user details.
- 5. Check that the 'Game Token' and 'Game Id' fields on the SUGAR object in your starting scene has been edited to match the details of the game you just created.

Set Auto Log-in Values (optional)

- 1. Open the 'Set Auto Log-in Values' tool by clicking Tools/SUGAR/Set Auto Log-in Values.
- 2. Fill in the details you want to use to automatically sign in when testing in Unity.
- 3. This feature is disabled if either 'Auto Log-in' within the tool or 'Allow Auto Login' in 'Account Unity Client' on the 'SUGAR' prefab is not checked.

Testing SUGAR features in Unity Project

In the unity project, open *Unity/Assets/SUGAR/Example/Scene.unity*, after rebuilding the PlayGen.SUGAR.Unity project you can test the functionality with the following commands:

SHORTCUT	TEST	
T + L	GameLeaderboard.DisplayGameList	
T + K	Evaluation. Display Achievement List	
T + A	Evaluation.ForceNotification	
T + S	Unity.StartSpinner	
T + H	Unity.StopSpinner	

SHORTCUT	TEST	
T + F	UserFriend.Display	
T + G	UserGroup.Display	
Escape	Application.Quit	
Delete	Account.Logout	

 $Shortcuts\ can\ be\ seen\ and\ changed\ in\ \textit{Unity/Assets/SUGAR/Example/Scripts/TestImplementation.cs}.$

Seeding

• Name: The name of the game you are adding to the SUGAR system. Please note that this name must be unique to the host.

Achievements/Skills

- Name: The name of the achievement/skill you are creating. Please note that this name must be unique to the game.
- **Description**: The description of the achievement/skill you are creating.
- **Token**: The unique identification token for the achievement/skill you are creating. Please note that this name must be unique to the game.
- ActorType: The type of Actor which this achievement/skill applies to.

Evaluation Criteria

- EvaluationDataKey: The key of the data which is being used for this criteria.
- EvaluationDataCategory: The category of data which the criteria is being checked against.
- ComparisonType: What the current value has to be compared to the target value in order for this criteria to be completed.
- CriteriaQueryType: The data set from which the current value will be gathered.
- **EvaluationDataType**: The type of data which the criteria is being checked for.
- Scope: The range of actors from which the data will be collected for comparision.
- Value: The target value of this criteria.

Rewards

- EvaluationDataKey: The key of the data which will be provided to the actor upon completion of all criteria.
- EvaluationDataCategory: The category of data which will be provided to the actor upon completion of all criteria.
- EvaluationDataType: The type of data which will be provided to the actor upon completion of all criteria.
- Value: The value which will be provided to the actor upon completion of all criteria.

Leaderboards

- **Token**: The unique identification token for the leaderboard you are creating. Please note that this name must be unique to the game.
- Name: The name of the leaderboard you are creating. Please note that this name must be unique to the game.
- Key: The key of the data which will be used to form the leaderboard.
- ActorType: The type of Actor which this leaderboard applies to.
- EvaluationDataCategory: The category of data which will be used for this leaderboard.
- **EvaluationDataType**: The type of data which will be used for this leaderboard.
- **CriteriaScope**: The range of actors from which the data will be collected.
- LeaderboardType: How collected data will be sorted for this leaderboard.

Enums

ActorType

- Undefined: Intended use not defined and as such means it applies to both Users and Groups.
- User: Intended for use for Users only.
- **Group**: Intended for use for Groups only.

ComparisonType

- **Equals**: The current value and target value must exactly match.
- Not Equal: The current value and target value do not exactly match.
- **Greater**: The current value is greater in value than the target value (Long and Float only).
- Greater or Equal: The current value is greater or exactly equal in value to the target value (Long and Float only).
- Lesser: The current value is lower in value than the target value (Long and Float only).
- Lesser or Equal: The current value is lower or exactly equal in value to the target value (Long and Float only).

CriteriaScope

- Actor: Data collected will have been submitted by the actor themselves.
- **Related Users**: Data collected will have been submitted by the actor and their friends (if the actor is a User) or their members (if the actor is a Group). ActorType cannot also be Undefined.
- **Related Groups**: Data collected will have been submitted by the actor and their alliances. ActorType must be Group.
- **Related Group Users**: Data collected will have been submitted by their members and the members of their alliances. ActorType must be Group.

CriteriaQueryType

- Any: Any collected data will be compared against the value set in the criteria. Can only be used when Scope is set to Actor.
- **Sum**: The sum of all collected data will be compared against the value set in the criteria. Can only be used when EvaluationDataType is set to Long or Float.
- Latest: The latest piece of data will be compared against the value set in the criteria. Can only be used when Scope is set to Actor.

EvaluationDataCategory

- **Game Data**: The data has been stored as a piece of Game Data, which allows for multiple values for the same key and all EvaluationDataTypes.
- **Resource**: The data has been stored as a Resource, which allows for only one value per key and has its value stored as a Long.
- Skill: The data has been stored as a Skill, marking the completion of all criteria for a Skill.
- Achievement: The data has been stored as a Achievement, marking the completion of all criteria for a Achievement.
- **Match Data**: The data has been stored as a piece of Match Data, which allows for multiple values for the same key in relation to a Match and all EvaluationDataTypes.

EvaluationDataType

- String: The data has been stored and can be parsed as a String.
- **Long**: The data has been stored and can be parsed as a Long.
- Float: The data has been stored and can be parsed as a Float.
- Boolean: The data has been stored and can be parsed as a Boolean.

LeaderboardType

- **Highest**: The leaderboard will be sorted from highest single value to lowest (Long and Float only).
- Lowest: The leaderboard will be sorted from lowest single value to highest (Long and Float only).
- **Cumulative**: The leaderboard will be sorted from highest combined value to lowest (Long and Float only).
- **Count**: The leaderboard will be sorted from the highest amount which the key has been recorded to the lowest (String and Boolean only).
- Earliest: The leaderboard will be sorted from the earliest time the key was recorded to the latest (String and Boolean only).
- Latest: The leaderboard will be sorted from the latest time the key was recorded to the earliest (String and Boolean only).

Unity Client Prefabs

There are a number of prefabs included within the Unity package. Example usage can be viewed in the demo scene which can be found at: Assets/SUGAR/Example/Scene.unity

After setting up a game using the quick start guide, all prefabs can be seen working by running the demo scene and entering the shortcuts to display each.

Each of the prefabs can be activated using the SUGAR prefab provided (which must be added to the scene to use SUGAR). The SUGAR prefab has its own canvas which is rendered above the main Canvas which contains each of the panel prefabs. Each panel can be activated using their display functions, examples of which can be seen in:

Assets/SUGAR/Example/Scripts/TestImplemtation.cs

Panel Prefabs

Panel Prefabs provided

- AccountPanel
- EvaluationPanel
- EvaluationPopup
- FriendsListPanel
- UserGroupsPanel
- GroupMembersPanel
- LeaderboardListPanel
- LeaderboardPanel

There are 2 variations provided for each of the panels, one for landscape and one for portrait. To switch the orientation used, change the Interface references in the SUGAR prefab to the required orientation prefabs.

Panel Overview

AccountPanel

Handles logging in to SUGAR with username and password entered, does not display if auto login is enabled and the login details are correct.

EvaluationPanel

Demo Shortcut: Hold T & Press K.

Displays the achievements/skills for the current game and which ones have been completed.

• EvaluationPopup

Demo Shortcut: Hold T & Press A.

Displays a pop-up to notify users that an achievement or skill has been completed.

FriendsListPanel

Demo Shortcut: Hold T & Press F.

Displays the users that the logged in account is friends with, allowing them to make new friendships, remove existing ones and review pending requests.

UserGroupsPanel

Demo Shortcut: Hold T & Press G.

Displays the groups that the logged in account is a member of, allowing them to leave current groups, join new groups and see pending group requests.

• GroupMembersPanel

Demo Shortcut: Hold T & Press G -> select a group.

Displays the members of a specific group, allowing accounts with permissions to manage other accounts within that group.

• LeaderboardListPanel

Demo Shortcut: Hold T & Press L.

Displays a list of leaderboards for the current game, allowing users to select one and see the standings.

LeaderboardPanel

Demo Shortcut: Hold T & Press L -> select a leaderboard.

Displays the current standings for the selected leaderboard, allows users to filter results by:

- o Top (the best scores for the current leaderboard),
- Nearby (the scores near to the current users score),
- o Friends (the current users' friends scores),
- o Group Members (the scores for all members of your primary group),
- o Alliances (the scores of all groups in an alliance with your primary group).

Build Instructions

- 1. Open and build the PlayGen.SUGAR.Unity project.
- 2. Open the Unity project.
- 3. Click Menu/Tools/Build SUGAR Package.
- 4. Copy the built package from Build/SUGAR.unitypackage.
- 5. Import it into your project and let the magic begin.

Making Changes to SUGAR Client

- 1. Build SUGAR project
- 2. Open SUGAR/PlayGen.SUGAR.Client.Development/bin/Debug/net46
- 3. Copy new .dll files to sugar-unity/lib/SUGAR/Client
- 4. Open and Build PlayGen.SUGAR.Unity project

Development

This section covers various aspects to do with developing the SUGAR Unity Client.

Documentation

SUGAR Unity's documentation is generated using DocFX using tripple slash code comments and DicFX .md and .toc files located in docs/.

Requirements

- DocFX
- "docfx" as a command needs to be availabe via the command console for the scripts to work.
- PDF documentation requires wkhtmltopdf.

Process

There are various build scripts in docs/tools to build, copy and serve the docs.

TOOL	FUNCTION
all.bat	Build the docs site and pdf.
copy_to_unity.bat	Copy the built pdf into the unity project.
all_and_copy.bat	all.bat and copy_to_unity.bat
metadata_build_and_serve.bat	Build the site and serve. Use this to test the generated docs.
metadata_pdf.bat	Build the pdf.

Note: The PDF docfx config was created by following this guide.



Namespace PlayGen.SUGAR.Unity

Classes

AccountUnityClient

Unity client for functionality related to signing in, registering and signing out.

ActorResponseAllowableActions

ActorResponse with additional information on if the current user can add and remove them.

BaseAccountInterface

Base abstract class for controlling the UI object related to user accounts.

BaseEvaluationListInterface

Base abstract class for controlling the interface related to evaluation lists.

BaseEvaluationPopupInterface

Base abstract class for controlling the interface related to evaluation notifications.

Base Group Member Interface

Base abstract class for controlling the UI object related to group member lists.

BaseInterface

Base abstract class for controlling UI objects

BaseLeaderboardInterface

Base abstract class for controlling the UI object related to leaderboards

BaseLeaderboardListInterface

Base abstract class for controlling the UI object related to getting all leaderboards for a game

BaseUnityClient<T>

Base abstract class for UnityClient classes

BaseUserFriendInterface

Base abstract class for controlling the UI object related to friends lists

BaseUserGroupInterface

Base abstract class for controlling the UI object related to user groups.

CommandLineOptions

CommandLineUtility

Config

CustomInterface

EvaluationUnityClient

Unity client for calls related to evaluations.

GameDataUnityClient

Get and send GameData for the currently signed in user.

${\bf Group Member Unity Client}$

Unity client for calls related to group member lists.

Leader board List Unity Client

Unity client for calls related to leaderboards for an application.

Leader board Unity Client

Unity client for calls related to leaderboard standings.

Resource Unity Client

Unity client for calls related to resources.

Response Handler

 ${\sf SavedPrefsHandler}$

SUGARManager

Access point for SUGAR related classes.

SUGARUnityManager

Class for managing Unity elements of the asset

UserFriendUnityClient

Unity client for calls related to user friends.

UserGroupUnityClient

Unity client for calls related to group lists.

Class AccountUnityClient

Unity client for functionality related to signing in, registering and signing out.

Inheritance

System.Object

AccountUnityClient

Namespace: PlayGen.SUGAR.Unity
Assembly: PlayGen.SUGAR.Unity.dll

Syntax

```
public class AccountUnityClient : MonoBehaviour
```

Properties

HasInterface

Has an interface been provided for this Unity Client?

Declaration

```
public bool HasInterface { get; }
```

Property Value

ТҮРЕ	DESCRIPTION
System.Boolean	

IsActive

Is there an interface and if so is it currently active?

Declaration

```
public bool IsActive { get; }
```

Property Value

ТҮРЕ	DESCRIPTION
System.Boolean	

Methods

DisplayLogInPanel(Action < Boolean >)

Displays interface if provided and allowAutoLogin is false. Attempts automatic sign in using provided details if allowAutoLogin is true. Note: allowAutoLogin is made false after automatic sign in is first attempted.

Declaration

```
public virtual void DisplayLogInPanel(Action<bool> success)
```

Parameters

ТҮРЕ	NAME	DESCRIPTION

ТҮРЕ	NAME	DESCRIPTION
Action < System. Boolean >	success	Callback which will result whether the user successfully signed in.

Hide()

Hide the UI object if it is currently active.

Declaration

public virtual void Hide()

Logout(Action < Boolean >)

Sign out the currently signed in user

Declaration

public virtual void Logout(Action<bool> success)

Parameters

ТУРЕ	NAME	DESCRIPTION
Action < System. Boolean >	success	Callback which will result whether the user successfully signed out.

Class ActorResponseAllowableActions

ActorResponse with additional information on if the current user can add and remove them.

Inheritance

System.Object

ActorResponseAllowableActions

Namespace: PlayGen.SUGAR.Unity
Assembly: PlayGen.SUGAR.Unity.dll

Syntax

```
public class ActorResponseAllowableActions : object
```

Constructors

ActorResponseAllowableActions(ActorResponse, Boolean, Boolean)

Declaration

```
public ActorResponseAllowableActions(ActorResponse actor, bool add, bool remove)
```

Parameters

ТҮРЕ	NAME	DESCRIPTION
ActorResponse	actor	
System.Boolean	add	
System.Boolean	remove	

Properties

Actor

ActorResponse contains the actor ID and Name.

Declaration

```
public ActorResponse Actor { get; set; }
```

Property Value

ТҮРЕ	DESCRIPTION
ActorResponse	

CanAdd

Can the currently signed in user add or accept a request from this actor?

Declaration

```
public bool CanAdd { get; set; }
```

Property Value

ТҮРЕ	DESCRIPTION
System.Boolean	

${\sf CanRemove}$

Can the currently signed in user remove or reject a request from this actor?

Declaration

```
public bool CanRemove { get; set; }
```

Property Value

ТҮРЕ	DESCRIPTION
System.Boolean	

Class BaseAccountInterface

Base abstract class for controlling the UI object related to user accounts.

Inheritance

System.Object

BaseAccountInterface

Namespace: PlayGen.SUGAR.Unity
Assembly: PlayGen.SUGAR.Unity.dll

Syntax

public abstract class BaseAccountInterface : MonoBehaviour

Fields

_closeButton

Button used to disable this object. Can be left null.

Declaration

protected Button _closeButton

Field Value

ТҮРЕ	DESCRIPTION
Button	

_errorText

Text object which displays errors if/when they occur. Can be left null.

Declaration

protected Text _errorText

Field Value

ТҮРЕ	DESCRIPTION
Text	

_loginButton

Button used to trigger attempting to sign in. Can be left null.

Declaration

protected Button _loginButton

Field Value

ТҮРЕ	DESCRIPTION
Button	

_name

Input field used for providing usernames. Required.

Declaration

protected InputField _name

Field Value

ТУРЕ	DESCRIPTION
InputField	

_password

Input field used for providing passwords. Required.

Declaration

protected InputField _password

Field Value

ТҮРЕ	DESCRIPTION
InputField	

_registerButton

Button used to trigger attempting to register a new account. Can be left null.

Declaration

protected Button _registerButton

Field Value

ТҮРЕ	DESCRIPTION
Button	

$_remember Me Toggle\\$

Toggle used to enable/disable remembering the next signed in user's details for future sessions. Can be left null.

Declaration

protected Toggle _rememberMeToggle

Field Value

ТҮРЕ	DESCRIPTION
Toggle	

Methods

Awake()

Base Awake method adds on Click listeners for the login, register and close buttons.

Declaration

protected virtual void Awake()

Class BaseEvaluationListInterface

Base abstract class for controlling the interface related to evaluation lists.

Inheritance

System.Object

BaseInterface

BaseEvaluationListInterface

Inherited Members

BaseInterface._errorText

BaseInterface._closeButton

BaseInterface._signinButton

BaseInterface.Awake()

BaseInterface.PreDisplay()

BaseInterface.Show(Boolean)

BaseInterface.Draw()

BaseInterface.OnSignIn()

Namespace: PlayGen.SUGAR.Unity
Assembly: PlayGen.SUGAR.Unity.dll

Syntax

public abstract class BaseEvaluationListInterface : BaseInterface

Methods

ErrorDraw(Boolean)

Used to set error text in case of no user being signed in, loading issues or if no results are available.

Declaration

protected override void ErrorDraw(bool loadingSuccess)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.Boolean	loadingSuccess	

Overrides

BaseInterface.ErrorDraw(Boolean)

HideInterfaces()

Hides Account, GameLeaderboard, Leaderboard, UserFriend, GroupMember and UserGroup interfaces.

Declaration

protected override void HideInterfaces()

Overrides

BaseInterface.HideInterfaces()

LoadErrorText()

Get error string from Localization with key "EVALUATION_LOAD_ERROR" if there were issues loading the evaluation list.

Declaration

protected	override	string	LoadErrorText(١
proceecea	OVCITION	3 CI TIIS	LOUGELLI OLICAC(,

Returns

ТҮРЕ	DESCRIPTION
System.String	

Overrides

BaseInterface.LoadErrorText()

NoResultsErrorText()

Get error string from Localization with key "NO_EVALUATION_ERROR" if there were no evaluations to display.

Declaration

protected override string NoResultsErrorText()

Returns

ТҮРЕ	DESCRIPTION
System.String	

Overrides

BaseInterface.NoResultsErrorText()

Class BaseEvaluationPopupInterface

Base abstract class for controlling the interface related to evaluation notifications.

Inheritance

System.Object

BaseEvaluationPopupInterface

Namespace: PlayGen.SUGAR.Unity
Assembly: PlayGen.SUGAR.Unity.dll

Syntax

public abstract class BaseEvaluationPopupInterface : MonoBehaviour

Fields

_evaluationQueue

Queue of notifications to be displayed.

Declaration

protected readonly List<EvaluationNotification> _evaluationQueue

Field Value

ТҮРЕ	DESCRIPTION
List < EvaluationNotification >	

_image

Image displayed alongside notification. Can be left null.

Declaration

protected Image _image

Field Value

ТҮРЕ	DESCRIPTION
Image	

_name

Text used for display notification string (usually evaluation name). Can be left null.

Declaration

protected Text _name

Field Value

ТҮРЕ	DESCRIPTION
Text	

Methods

Display(EvaluationNotification)

Functionality to be triggered when a notification is received.

Declaration

protected abstract void Display(EvaluationNotification notification)

Parameters

ТУРЕ	NAME	DESCRIPTION
EvaluationNotification	notification	

Class BaseGroupMemberInterface

Base abstract class for controlling the UI object related to group member lists.

Inheritance

System.Object

BaseInterface

BaseGroupMemberInterface

Inherited Members

BaseInterface._errorText

BaseInterface._closeButton

BaseInterface._signinButton

BaseInterface.Awake()

BaseInterface.PreDisplay()

BaseInterface.Show(Boolean)

BaseInterface.Draw()

BaseInterface.OnSignIn()

Namespace: PlayGen.SUGAR.Unity
Assembly: PlayGen.SUGAR.Unity.dll

Syntax

public abstract class BaseGroupMemberInterface : BaseInterface

Fields

_groupName

Text used for providing the group name for this list. Can be left null.

Declaration

protected Text _groupName

Field Value

ТУРЕ	DESCRIPTION
Text	

Methods

ErrorDraw(Boolean)

Used to set error text in case of no user being signed in, loading issues or if no results are available.

Declaration

protected override void ErrorDraw(bool loadingSuccess)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.Boolean	loadingSuccess	

Overrides

BaseInterface.ErrorDraw(Boolean)

HideInterfaces()

Hides Account, Evaluation, Leaderboard, GameLeaderboard and UserFriend UI objects. Set groupName text to match name of CurrentGroup.

Declaration

protected override void HideInterfaces()

Overrides

BaseInterfaces()

LoadErrorText()

Get error string from Localization with key "GROUPS_LOAD_ERROR" if there were issues loading the evaluation list.

Declaration

protected override string LoadErrorText()

Returns

ТҮРЕ	DESCRIPTION
System.String	

Overrides

BaseInterface.LoadErrorText()

NoResultsErrorText()

Get error string from Localization with key "NO_RESULTS_ERROR" if there were no group members to display.

Declaration

protected override string NoResultsErrorText()

Returns

ТҮРЕ	DESCRIPTION
System.String	

Overrides

BaseInterface.NoResultsErrorText()

Class BaseInterface

Base abstract class for controlling UI objects

Inheritance

System.Object

BaseInterface

BaseEvaluationListInterface

BaseGroupMemberInterface

BaseLeaderboardInterface

BaseLeaderboardListInterface

BaseUserFriendInterface

BaseUserGroupInterface

Namespace: PlayGen.SUGAR.Unity
Assembly: PlayGen.SUGAR.Unity.dll

Syntax

public abstract class BaseInterface : MonoBehaviour

Fields

_closeButton

Button used to disable this object. Can be left null.

Declaration

protected Button _closeButton

Field Value

ТҮРЕ	DESCRIPTION
Button	

_errorText

Text object which displays errors if/when they occur. Can be left null.

Declaration

protected Text _errorText

Field Value

ТҮРЕ	DESCRIPTION
Text	

_signinButton

Button used to display account interface (if available) if no user is signed in. Can be left null.

Declaration

protected Button _signinButton

Field Value

ТҮРЕ	DESCRIPTION
Button	

Methods

Awake()

Base Awake method adds on Click listeners for the close and signin buttons.

Declaration

```
protected virtual void Awake()
```

Draw()

Should be used to set, create and place UI on this object.

Declaration

```
protected abstract void Draw()
```

ErrorDraw(Boolean)

Should be used to set error text and disable UI objects due to errors, if required. By default sets error text in case of no user being signed in or loading issues.

Declaration

protected virtual void ErrorDraw(bool loadingSuccess)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.Boolean	loadingSuccess	

HideInterfaces()

Should be used to enable/disable UI on this object and hide other UI objects.

Declaration

```
protected abstract void HideInterfaces()
```

LoadErrorText()

Get error string if there were issues loading what was required.

Declaration

```
protected abstract string LoadErrorText()
```

Returns

ТҮРЕ	DESCRIPTION
System.String	

NoResultsErrorText()

Get error string if there were no results to display.

Declaration

protected abstract string NoResultsErrorText()

Returns

ТҮРЕ	DESCRIPTION
System.String	

OnSignIn()

Triggered by successful sign-in via this UI object.

Declaration

protected abstract void OnSignIn()

PreDisplay()

Functionality triggered before displaying the UI object.

Declaration

protected abstract void PreDisplay()

Show(Boolean)

Used to display/redraw the UI on this object. Triggers methods in this order: HideInterfaces - abstract method used to enable/disable UI on this object and hide other UI objects. PreDraw - private method. Activates object using SUGARManager.Unity.EnableObject, resets error text and hides signin button. Draw - abstract method where creation and placement of the UI should be performed. ErrorDraw - where error text is determined and set, if required.

Declaration

protected void Show(bool loadingSuccess)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.Boolean	loadingSuccess	

Class BaseLeaderboardInterface

Base abstract class for controlling the UI object related to leaderboards

Inheritance

System.Object

BaseInterface

BaseLeaderboardInterface

Inherited Members

BaseInterface._errorText

BaseInterface._closeButton

BaseInterface._signinButton

BaseInterface.PreDisplay()

BaseInterface.Show(Boolean)

BaseInterface.Draw()

BaseInterface.OnSignIn()

Namespace: PlayGen.SUGAR.Unity
Assembly: PlayGen.SUGAR.Unity.dll

Syntax

public abstract class BaseLeaderboardInterface : BaseInterface

Fields

_alliancesButton

Button used to change the current leaderboard filter to 'Alliances'. Can be left null.

Declaration

protected Button _alliancesButton

Field Value

ТУРЕ	DESCRIPTION
Button	

_friendsButton

Button used to change the current leaderboard filter to 'Friends'. Can be left null.

Declaration

protected Button _friendsButton

Field Value

ТҮРЕ	DESCRIPTION
Button	

_leaderboardName

Text used for displaying leaderboard name. Can be left null.

Declaration

protected Text _leaderboardName

Field Value

ТҮРЕ	DESCRIPTION
Text	

$_leader board Type$

Text used for displaying current leaderboard filter. Can be left null.

Declaration

protected Text _leaderboardType

Field Value

ТҮРЕ	DESCRIPTION
Text	

$_$ membersButton

Button used to change the current leaderboard filter to 'Group Members'. Can be left null.

Declaration

protected Button _membersButton

Field Value

ТУРЕ	DESCRIPTION
Button	

_nearButton

Button used to change the current leaderboard filter to 'Near'. Can be left null.

Declaration

protected Button _nearButton

Field Value

ТҮРЕ	DESCRIPTION
Button	

_topButton

Button used to change the current leaderboard filter to 'Top'. Can be left null.

Declaration

protected Button _topButton

Field Value

ТҮРЕ	DESCRIPTION
Button	

Methods

Awake()

Base Awake method adds on Click listeners for the close, signin, top, near and friends filter buttons.

Declaration

protected override void Awake()

Overrides

BaseInterface.Awake()

ErrorDraw(Boolean)

Used to set error text in case of no user being signed in, loading issues or if no results are available. Filter button interactable set to false if no user is signed in or loading issues occur.

Declaration

protected override void ErrorDraw(bool loadingSuccess)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.Boolean	loadingSuccess	

Overrides

BaseInterface.ErrorDraw(Boolean)

HideInterfaces()

Hides Account, Evaluation, UserFriend, GroupMember and UserGroup UI objects. Makes filter buttons interactable.

Declaration

protected override void HideInterfaces()

Overrides

BaseInterfaces()

LoadErrorText()

Get error string from Localization with key "LEADERBOARD_LOAD_ERROR" if there were issues loading the leaderboard standings list.

Declaration

protected override string LoadErrorText()

Returns

ТҮРЕ	DESCRIPTION
System.String	

Overrides

BaseInterface.LoadErrorText()

NoResultsErrorText()

Get error string from Localization with key "NO_LEADERBOARD_ERROR" if there were no leaderboard standings to display.

Declaration

<pre>protected override string NoResultsErrorText()</pre>

Returns

ТҮРЕ	DESCRIPTION
System.String	

Overrides

BaseInterface.NoResultsErrorText()

Class BaseLeaderboardListInterface

Base abstract class for controlling the UI object related to getting all leaderboards for a game

Inheritance

System.Object

BaseInterface

BaseLeaderboardListInterface

Inherited Members

BaseInterface._errorText

BaseInterface._closeButton

BaseInterface._signinButton

BaseInterface.PreDisplay()

BaseInterface.Show(Boolean)

BaseInterface.Draw()

BaseInterface.OnSignIn()

Namespace: PlayGen.SUGAR.Unity
Assembly: PlayGen.SUGAR.Unity.dll

Syntax

public abstract class BaseLeaderboardListInterface : BaseInterface

Fields

_combinedButton

Button used to change the current actor type filter to 'Combined'. Can be left null.

Declaration

protected Button _combinedButton

Field Value

ТҮРЕ	DESCRIPTION
Button	

_groupButton

Button used to change the current actor type filter to 'Group'. Can be left null.

Declaration

protected Button _groupButton

Field Value

ТҮРЕ	DESCRIPTION
Button	

_leaderboardType

Text used for displaying current leaderboard type. Can be left null.

Declaration

protected Text _leaderboardType

Field Value

ТҮРЕ	DESCRIPTION
Text	

_userButton

Button used to change the current actor type filter to 'User'. Can be left null.

Declaration

protected Button _userButton

Field Value

ТҮРЕ	DESCRIPTION
Button	

Methods

Awake()

Base Awake method adds on Click listeners for the close, signin, user, group and combined filter buttons.

Declaration

protected override void Awake()

Overrides

BaseInterface.Awake()

ErrorDraw(Boolean)

Used to set error text in case of no user being signed in, loading issues or if no leaderboards are available. Filter button interactable set to false if no user is signed in or loading issues occur.

Declaration

protected override void ErrorDraw(bool loadingSuccess)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.Boolean	loadingSuccess	

Overrides

BaseInterface.ErrorDraw(Boolean)

HideInterfaces()

Hides Account, Evaluation, UserFriend, GroupMember and UserGroup UI objects. Makes filter buttons interactable.

Declaration

protected override void HideInterfaces()

Overrides

BaseInterface.HideInterfaces()

LoadErrorText()

Get error string from Localization with key "LEADERBOARD_LIST_LOAD_ERROR" if there were issues loading the leaderboard list.

Declaration

protected override string LoadErrorText()

Returns

ТҮРЕ	DESCRIPTION
System.String	

Overrides

BaseInterface.LoadErrorText()

NoResultsErrorText()

Get error string from Localization with key "NO_LEADERBOARD_LIST_ERROR" if there were no leaderboards to display.

Declaration

protected override string NoResultsErrorText()

Returns

ТҮРЕ	DESCRIPTION
System.String	

Overrides

BaseInterface.NoResultsErrorText()

Class BaseUnityClient<T>

Base abstract class for UnityClient classes

Inheritance

System.Object

BaseUnityClient<T>

EvaluationUnityClient

 ${\it Group Member Unity Client}$

Leader board List Unity Client

LeaderboardUnityClient

UserFriendUnityClient

UserGroupUnityClient

Namespace: PlayGen.SUGAR.Unity
Assembly: PlayGen.SUGAR.Unity.dll

Syntax

public abstract class BaseUnityClient<T> : MonoBehaviour where T : BaseInterface

Type Parameters

NAME	DESCRIPTION
Т	

Fields

_landscapeInterface

Landscape interface for this area of functionality. Can be left null if not required.

Declaration

protected T _landscapeInterface

Field Value

ТҮРЕ	DESCRIPTION
Т	

_portraitInterface

Portrait interface for this area of functionality. Can be left null if not required.

Declaration

protected T _portraitInterface

Field Value

ТУРЕ	DESCRIPTION
Т	

Properties

_interface

The interface that is used for the current aspect ratio.

Declaration

```
protected T _interface { get; }
```

Property Value

ТҮРЕ	DESCRIPTION
Т	

HasInterface

Has an interface been provided for this Unity Client?

Declaration

```
public bool HasInterface { get; }
```

Property Value

ТҮРЕ	DESCRIPTION
System.Boolean	

IsActive

Is there an interface and if so is it currently active?

Declaration

```
public bool IsActive { get; }
```

Property Value

ТҮРЕ	DESCRIPTION
System.Boolean	

Methods

Hide()

Hide the UI object if it is currently active.

Declaration

```
public void Hide()
```

Update()

Change the used interface if the aspect ratio changes.

Declaration

```
protected virtual void Update()
```

Class BaseUserFriendInterface

Base abstract class for controlling the UI object related to friends lists

Inheritance

System.Object

BaseInterface

BaseUserFriendInterface

Inherited Members

BaseInterface. errorText

BaseInterface._closeButton

BaseInterface._signinButton

BaseInterface.Awake()

BaseInterface.PreDisplay()

BaseInterface.Show(Boolean)

BaseInterface.Draw()

BaseInterface.ErrorDraw(Boolean)

BaseInterface.OnSignIn()

Namespace: PlayGen.SUGAR.Unity
Assembly: PlayGen.SUGAR.Unity.dll

Syntax

public abstract class BaseUserFriendInterface : BaseInterface

Methods

GetFriends()

Get and display the friends list for the currently signed in user.

Declaration

protected void GetFriends()

GetPendingReceived()

Get and display the list of pending received friend requests for the currently signed in user.

Declaration

protected void GetPendingReceived()

GetPendingSent()

Get and display the list of pending sent friend requests for the currently signed in user.

Declaration

protected void GetPendingSent()

GetSearchResults(String)

Get and display the search results for the provided string.

Declaration

protected void GetSearchResults(string search)

ТҮРЕ	NAME	DESCRIPTION
System.String	search	

HideInterfaces()

Hides Account, GameLeaderboard, Leaderboard, Evaluation, GroupMember and UserGroup UI objects.

Declaration

protected override void HideInterfaces()

Overrides

BaseInterfaces()

LoadErrorText()

Get error string from Localization with key "FRIENDS_LOAD_ERROR" if there were issues loading the friends list.

Declaration

protected override string LoadErrorText()

Returns

ТҮРЕ	DESCRIPTION
System.String	

Overrides

BaseInterface.LoadErrorText()

NoResultsErrorText()

Get error string from Localization with key "NO_RESULTS_ERROR" if there were no friends to display.

Declaration

protected override string NoResultsErrorText()

Returns

ТҮРЕ	DESCRIPTION
System.String	

Overrides

BaseInterface.NoResultsErrorText()

Class BaseUserGroupInterface

Base abstract class for controlling the UI object related to user groups.

Inheritance

System.Object

BaseInterface

BaseUserGroupInterface

Inherited Members

BaseInterface._errorText

BaseInterface._closeButton

BaseInterface._signinButton

BaseInterface.Awake()

BaseInterface.PreDisplay()

BaseInterface.Show(Boolean)

BaseInterface.Draw()

BaseInterface.ErrorDraw(Boolean)

BaseInterface.OnSignIn()

Namespace: PlayGen.SUGAR.Unity
Assembly: PlayGen.SUGAR.Unity.dll

Syntax

public abstract class BaseUserGroupInterface : BaseInterface

Methods

GetGroups()

Get and display the list of groups the currently signed in user is in.

Declaration

protected void GetGroups()

GetPendingSent()

Get and display the list of groups the currently signed in user has applied to join.

Declaration

protected void GetPendingSent()

Get Search Results (String)

Get and display the list of groups that match the search string provided.

Declaration

protected void GetSearchResults(string search)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.String	search	

HideInterfaces()

Hides Account, Evaluation, Leaderboard, GameLeaderboard and UserFriend UI objects.

Declaration

protected override void HideInterfaces()

Overrides

BaseInterface.HideInterfaces()

LoadErrorText()

Get error string from Localization with key "GROUPS_LOAD_ERROR" if there were issues loading the group list.

Declaration

protected override string LoadErrorText()

Returns

ТҮРЕ	DESCRIPTION
System.String	

Overrides

BaseInterface.LoadErrorText()

NoResultsErrorText()

Get error string from Localization with key "NO_RESULTS_ERROR" if there were no groups to display.

Declaration

protected override string NoResultsErrorText()

Returns

ТҮРЕ	DESCRIPTION
System.String	

Overrides

BaseInterface. No Results Error Text()

Class CommandLineOptions

Inheritance

System.Object

CommandLineOptions

Namespace: PlayGen.SUGAR.Unity
Assembly: PlayGen.SUGAR.Unity.dll

Syntax

```
public class CommandLineOptions : object
```

Properties

AuthenticationSource

Declaration

```
public string AuthenticationSource { get; set; }
```

Property Value

ТҮРЕ	DESCRIPTION
System.String	

AutoLogin

Declaration

```
public bool AutoLogin { get; set; }
```

Property Value

ТҮРЕ	DESCRIPTION
System.Boolean	

ClassId

Declaration

```
public string ClassId { get; set; }
```

Property Value

ТҮРЕ	DESCRIPTION
System.String	

Custom

Declaration

```
public string Custom { get; set; }
```

Property Value

ТҮРЕ	DESCRIPTION
System.String	

Password

Declaration

t; }	
-------------	--

Property Value

ТҮРЕ	DESCRIPTION
System.String	

UserId

Declaration

```
public string UserId { get; set; }
```

Property Value

ТҮРЕ	DESCRIPTION
System.String	

Class CommandLineUtility

Inheritance

System.Object

CommandLineUtility

Namespace: PlayGen.SUGAR.Unity
Assembly: PlayGen.SUGAR.Unity.dll

Syntax

public static class CommandLineUtility : object

Fields

CustomArgs

Declaration

public static Dictionary<string, string> CustomArgs

Field Value

ТҮРЕ	DESCRIPTION
Dictionary < System. String, System. String >	

Methods

ParseArgs(String[])

Declaration

public static CommandLineOptions ParseArgs(string[] args)

Parameters

ТУРЕ	NAME	DESCRIPTION
System.String[]	args	

Returns

ТҮРЕ	DESCRIPTION
CommandLineOptions	

Class Config

Inheritance

System.Object

Config

Namespace: PlayGen.SUGAR.Unity
Assembly: PlayGen.SUGAR.Unity.dll

Syntax

public class Config : object

Properties

BaseUri

Declaration

public string BaseUri { get; set; }

Property Value

ТҮРЕ	DESCRIPTION
System.String	

Class CustomInterface

Inheritance

System.Object

CustomInterface

Namespace: PlayGen.SUGAR.Unity
Assembly: PlayGen.SUGAR.Unity.dll

Syntax

|--|--|

Fields

${\sf GameObject}$

Declaration

public GameObject

Field Value

ТҮРЕ	DESCRIPTION
GameObject	

Name

Declaration

public string Name

Field Value

ТҮРЕ	DESCRIPTION
System.String	

Class EvaluationUnityClient

Unity client for calls related to evaluations.

Inheritance

System.Object

BaseUnityClient < BaseEvaluationListInterface >

EvaluationUnityClient

Inherited Members

BaseUnityClient < BaseEvaluationListInterface > ._landscapeInterface

 $Base Unity Client < Base Evaluation List Interface > ._portrait Interface$

BaseUnityClient < BaseEvaluationListInterface > ._interface

BaseUnityClient < BaseEvaluationListInterface > . HasInterface

BaseUnityClient < BaseEvaluationListInterface > .lsActive

BaseUnityClient < BaseEvaluationListInterface > . Hide()

Namespace: PlayGen.SUGAR.Unity
Assembly: PlayGen.SUGAR.Unity.dll

Syntax

public class EvaluationUnityClient : BaseUnityClient<BaseEvaluationListInterface>

Properties

Progress

Current completion status for evaluations in this application for this user.

Declaration

public List<EvaluationProgressResponse> Progress { get; }

Property Value

ТҮРЕ	DESCRIPTION
List < Evaluation Progress Response >	

Methods

DisplayAchievementList()

Gathers current user achievement completion status and displays interface if provided.

Declaration

```
public void DisplayAchievementList()
```

DisplayGroupAchievementList()

Gathers current group achievement completion status and displays interface if provided.

Declaration

```
public void DisplayGroupAchievementList()
```

DisplayGroupSkillList()

Gathers current group skill completion status and displays interface if provided.

Declaration

public void DisplayGroupSkillList()

DisplaySkillList()

Gathers current user skill completion status and displays interface if provided.

Declaration

public void DisplaySkillList()

ForceNotification(String)

Force an evaluation notification to be displayed with the provided text.

Declaration

public void ForceNotification(string notification = "Test Notification")

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.String	notification	String which will be used in the notification.

Update()

Change the used interfaces if the aspect ratio changes.

Declaration

protected override void Update()

Overrides

Play Gen. SUGAR. Unity. Base Unity Client < Play Gen. SUGAR. Unity. Base Evaluation List Interface > . Update ()

Class GameDataUnityClient

Get and send GameData for the currently signed in user.

Inheritance

System.Object

GameDataUnityClient

Namespace: PlayGen.SUGAR.Unity
Assembly: PlayGen.SUGAR.Unity.dll

Syntax

public class GameDataUnityClient : object

Methods

Get(Action < IEnumerable < Evaluation DataResponse >> , String[])

Get GameData for the currently signed in user for this game.

Declaration

public void Get(Action<IEnumerable<EvaluationDataResponse>> success, string[] keys = null)

Parameters

ТҮРЕ	NAME	DESCRIPTION
Action < IEnumerable < Evaluation Data Response > >	success	Callback which will return the list of gathered results.
System.String[]	keys	Optional parameter. If provided, only GameData with a matching key will be returned.

GetCount(String, EvaluationDataType, Action < EvaluationDataResponse >)

Get the count of recorded values for the currently signed in user for the key and dataType provided.

Declaration

public void GetCount(string key, EvaluationDataType dataType, Action<EvaluationDataResponse> success)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.String	key	Name of the GameData key.
EvaluationDataType	dataType	EvaluationDataType of the GameData.
Action < Evaluation Data Response >	success	Callback which will contain the gathered result.

GetCumulative(String, EvaluationDataType, Action<EvaluationDataResponse>)

Get the cumulative value for the currently signed in user for the key and dataType provided.

Declaration

public void GetCumulative(string key, EvaluationDataType dataType, Action<EvaluationDataResponse> success)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.String	key	Name of the GameData key.
EvaluationDataType	dataType	EvaluationDataType of the GameData.
Action < Evaluation Data Response >	success	Callback which will contain the gathered result.

GetEarliest(String, EvaluationDataType, Action < EvaluationDataResponse >)

Get the earliest recorded data for the currently signed in user for the key and dataType provided.

Declaration

public void GetEarliest(string key, EvaluationDataType dataType, Action<EvaluationDataResponse> success)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.String	key	Name of the GameData key.
EvaluationDataType	dataType	EvaluationDataType of the GameData.
Action < Evaluation Data Response >	success	Callback which will contain the gathered result.

GetHighest(String, EvaluationDataType, Action < EvaluationDataResponse >)

Get the data related to the highest value recorded for the currently signed in user for the key and dataType provided.

Declaration

public void GetHighest(string key, EvaluationDataType dataType, Action<EvaluationDataResponse> success)

ТҮРЕ	NAME	DESCRIPTION
System.String	key	Name of the GameData key.
Evaluation Data Type	dataType	EvaluationDataType of the GameData.

ТУРЕ	NAME	DESCRIPTION
Action < Evaluation Data Response >	success	Callback which will contain the gathered result.

GetLatest(String, EvaluationDataType, Action < EvaluationDataResponse >)

Get the latest recorded data for the currently signed in user for the key and dataType provided.

Declaration

public void GetLatest(string key, EvaluationDataType dataType, Action<EvaluationDataResponse> success)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.String	key	Name of the GameData key.
EvaluationDataType	dataType	EvaluationDataType of the GameData.
Action < Evaluation Data Response >	success	Callback which will contain the gathered result.

GetLowest(String, EvaluationDataType, Action < EvaluationDataResponse >)

Get the data related to the lowest value recorded for the currently signed in user for the key and dataType provided.

Declaration

public void GetLowest(string key, EvaluationDataType dataType, Action<EvaluationDataResponse> success)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.String	key	Name of the GameData key.
EvaluationDataType	dataType	EvaluationDataType of the GameData.
Action < Evaluation Data Response >	success	Callback which will contain the gathered result.

Send(String, Boolean)

Record GameData with EvaluationDataType Bool with the key and value provided.

Declaration

public void Send(string key, bool value)

ТҮРЕ	NAME	DESCRIPTION
System.String	key	Name of the GameData key.
System.Boolean	value	The Bool value that'll be recorded.

Send(String, Int64)

Record GameData with EvaluationDataType Long with the key and value provided.

Declaration

public void Send(string key, long value)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.String	key	Name of the GameData key.
System.Int64	value	The Long value that'll be recorded.

Send(String, Single)

Record GameData with EvaluationDataType Float with the key and value provided.

Declaration

public void Send(string key, float value)

Parameters

ТУРЕ	NAME	DESCRIPTION
System.String	key	Name of the GameData key.
System.Single	value	The Float value that'll be recorded.

Send(String, String)

Record GameData with EvaluationDataType String with the key and value provided.

Declaration

public void Send(string key, string value)

ТУРЕ	NAME	DESCRIPTION

ТУРЕ	NAME	DESCRIPTION
System.String	key	Name of the GameData key.
System.String	value	The String value that'll be recorded.

Class GroupMemberUnityClient

Unity client for calls related to group member lists.

Inheritance

System.Object

BaseUnityClient < BaseGroupMemberInterface >

GroupMemberUnityClient

Inherited Members

BaseUnityClient < BaseGroupMemberInterface > ._landscapeInterface

 $Base Unity Client < Base Group Member Interface > ._portrait Interface$

BaseUnityClient < BaseGroupMemberInterface > ._interface

BaseUnityClient < BaseGroupMemberInterface > .HasInterface

BaseUnityClient < BaseGroupMemberInterface > .lsActive

BaseUnityClient < BaseGroupMemberInterface > . Update()

BaseUnityClient < BaseGroupMemberInterface > . Hide()

Namespace: PlayGen.SUGAR.Unity
Assembly: PlayGen.SUGAR.Unity.dll

Syntax

public class GroupMemberUnityClient : BaseUnityClient<BaseGroupMemberInterface>

Properties

CurrentGroup

Currently selected/displayed group.

Declaration

public ActorResponse CurrentGroup { get; }

Property Value

ТҮРЕ		DESCRIPTION
ActorRespo	nse	

Members

Member list for the current group.

Declaration

```
public List<ActorResponseAllowableActions> Members { get; }
```

Property Value

ТҮРЕ	DESCRIPTION
List < ActorResponseAllowableActions >	

Methods

AddFriend(Int32, Boolean)

Send friend request to user with id provided. If reload is true, UI is also redrawn.

Declaration

public void AddFriend(int id, bool reload = true)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.Int32	id	
System.Boolean	reload	

Display(ActorResponse)

Sets current group and gathers member list for that group. Displays UI object if provided.

Declaration

public void Display(ActorResponse group)

ТҮРЕ	NAME	DESCRIPTION
ActorResponse	group	

Class LeaderboardListUnityClient

Unity client for calls related to leaderboards for an application.

Inheritance

System.Object

BaseUnityClient < BaseLeaderboardListInterface >

LeaderboardListUnityClient

Inherited Members

BaseUnityClient < BaseLeaderboardListInterface > ._landscapeInterface

BaseUnityClient < BaseLeaderboardListInterface > ._portraitInterface

BaseUnityClient < BaseLeaderboardListInterface > ._interface

BaseUnityClient < BaseLeaderboardListInterface > . HasInterface

BaseUnityClient < BaseLeaderboardListInterface > .lsActive

BaseUnityClient < BaseLeaderboardListInterface > . Update()

BaseUnityClient < BaseLeaderboardListInterface > .Hide()

Namespace: PlayGen.SUGAR.Unity
Assembly: PlayGen.SUGAR.Unity.dll

Syntax

public class LeaderboardListUnityClient : BaseUnityClient<BaseLeaderboardListInterface>

Properties

CurrentActorType

Currently used ActorType filter.

Declaration

```
public ActorType CurrentActorType { get; }
```

Property Value

ТҮРЕ		DESCRIPTION
ActorT	уре	

Leaderboards

List of leaderboards for this application for each ActorType filter.

Declaration

```
public Dictionary<ActorType, List<LeaderboardResponse>> Leaderboards { get; }
```

Property Value

ТҮРЕ	DESCRIPTION
Dictionary < ActorType, List < LeaderboardResponse > >	

Methods

DisplayGameList(ActorType)

Gathers leaderboards for this application and displays list for current ActorType if UI object if provided.

Declaration

public void DisplayGameList(ActorType filter = null)

Parameters

ТҮРЕ	NAME	DESCRIPTION
ActorType	filter	

Display Global List (Actor Type)

Gathers leaderboards for this application and displays list for current ActorType if UI object if provided.

Declaration

public void DisplayGlobalList(ActorType filter = null)

Parameters

ТҮРЕ	NAME	DESCRIPTION
ActorType	filter	

SetFilter(ActorType)

Set the ActorType filter to use.

Declaration

public void SetFilter(ActorType filter)

ТҮРЕ	NAME	DESCRIPTION
ActorType	filter	

Class LeaderboardUnityClient

Unity client for calls related to leaderboard standings.

Inheritance

System.Object

BaseUnityClient < BaseLeaderboardInterface >

LeaderboardUnityClient

Inherited Members

BaseUnityClient < BaseLeaderboardInterface > ._landscapeInterface

 $Base Unity Client < Base Leader board Interface > ._portrait Interface \\$

BaseUnityClient<BaseLeaderboardInterface>._interface

BaseUnityClient < BaseLeaderboardInterface > .HasInterface

BaseUnityClient < BaseLeaderboardInterface > . IsActive

BaseUnityClient < BaseLeaderboardInterface > . Update()

Base Unity Client < Base Leader board Interface > . Hide()

Namespace: PlayGen.SUGAR.Unity
Assembly: PlayGen.SUGAR.Unity.dll

Syntax

public class LeaderboardUnityClient : BaseUnityClient<BaseLeaderboardInterface>

Properties

CurrentFilter

Current filter to use for gathering leaderboard standings.

Declaration

public LeaderboardFilterType CurrentFilter { get; }

Property Value

ТҮРЕ	DESCRIPTION
LeaderboardFilterType	

Currentl eaderboard

Current leaderboard to use for gathering leaderboard standings from.

Declaration

public LeaderboardResponse CurrentLeaderboard { get; }

Property Value

ТҮРЕ	DESCRIPTION
LeaderboardResponse	

CurrentStandings

Last set of standings gathered.

Declaration

```
public List<LeaderboardStandingsResponse> CurrentStandings { get; }
```

Property Value

ТҮРЕ	DESCRIPTION
List < LeaderboardStandingsResponse >	

PositionCount

Number of results that should be gathered per call.

Declaration

```
public int PositionCount { get; }
```

Property Value

ТҮРЕ	DESCRIPTION
System.Int32	

Methods

Display(String, LeaderboardFilterType, Int32, Boolean)

Gathers information on the leaderboard with the token provided and gets current standings based on the filter and page number provided, with the UI object displayed if provided.

Declaration

```
public void Display(string token, LeaderboardFilterType filter, int pageNumber = 0, bool globalLeaderboard =
false)
```

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.String	token	
LeaderboardFilterType	filter	
System.Int32	pageNumber	
System.Boolean	globalLeaderboard	

GetLeaderboardStandings(Int32, Action < Boolean >, Action < List < LeaderboardStandingsResponse > >)

Get standings for the current leaderboard. A request for results to be returned means that the standings gotten will not be stored. Otherwise, they will be saved into CurrentStandings.

Declaration

```
public void GetLeaderboardStandings(int pageNumber, Action<bool> success,
Action<List<LeaderboardStandingsResponse>> result = null)
```

ТҮРЕ	NAME	DESCRIPTION
System.Int32	pageNumber	
Action < System. Boolean >	success	
Action < List < LeaderboardStandingsResponse > >	result	

SetPositionCount(Int32)

Set the number of results to get at most per call.

Declaration

public void SetPositionCount(int count)

ТҮРЕ	NAME	DESCRIPTION
System.Int32	count	

Class ResourceUnityClient

Unity client for calls related to resources.

Inheritance

System.Object

ResourceUnityClient

Namespace: PlayGen.SUGAR.Unity
Assembly: PlayGen.SUGAR.Unity.dll

Syntax

public class ResourceUnityClient : MonoBehaviour

Properties

GlobalUserResources

Resources for the user not tied to any game.

Declaration

public Dictionary<string, long> GlobalUserResources { get; }

Property Value

ТҮРЕ	DESCRIPTION
Dictionary < System. String, System. Int 64 >	

UserGameResources

Resources for the currently signed in user for this game.

Declaration

public Dictionary<string, long> UserGameResources { get; }

Property Value

ТҮРЕ	DESCRIPTION
Dictionary < System. String, System. Int64>	

Methods

Add(String, Int64, Action < Boolean > , Boolean)

Add the resource with the key provided from the currently signed in user. If globalResource is true, resource transferred will be global rather than for the game.

Declaration

public void Add(string key, long amount, Action<bool> success, bool globalResource = false)

ТҮРЕ	NAME	DESCRIPTION
System.String	key	

ТУРЕ	NAME	DESCRIPTION
System.Int64	amount	
Action < System. Boolean >	success	
System.Boolean	globalResource	

Get(Action<List<ResourceResponse>>, String[], Boolean)

Get the resources with the keys provided for the signed in user. If globalResource is true, resources will be global rather than for the game.

Declaration

```
public void Get(Action<List<ResourceResponse>> result, string[] keys = null, bool globalResource = false)
```

Parameters

ТҮРЕ	NAME	DESCRIPTION
Action < List < ResourceResponse > >	result	
System.String[]	keys	
System.Boolean	globalResource	

Transfer(Int32, String, Int64, Action < Boolean >, Boolean)

Transfer the resource with the key provided from the currently signed in user to the user with the provided id. If globalResource is true, resource transferred will be global rather than for the game.

Declaration

```
public void Transfer(int recipientId, string key, long amount, Action<bool> success, bool globalResource =
false)
```

Parameters

- Mainteets		
ТУРЕ	NAME	DESCRIPTION
System.Int32	recipientId	
System.String	key	
System.Int64	amount	
Action < System. Boolean >	success	
System.Boolean	globalResource	

TryTake(Int32, String, Int64, Action < Boolean > , Boolean)

Attempt to Take a resource from an actor. If globalResource is true, resource transferred will be global rather than for the game.

Declaration

ТҮРЕ	NAME	DESCRIPTION
System.Int32	senderId	
System.String	key	
System.Int64	amount	
Action < System. Boolean >	success	
System.Boolean	globalResource	

Class ResponseHandler

Inheritance

System.Object ResponseHandler

Namespace: PlayGen.SUGAR.Unity
Assembly: PlayGen.SUGAR.Unity.dll

Syntax

public class ResponseHandler : MonoBehaviour

Class SavedPrefsHandler

Inheritance

System.Object

SavedPrefsHandler

Namespace: PlayGen.SUGAR.Unity
Assembly: PlayGen.SUGAR.Unity.dll

Syntax

public class SavedPrefsHandler : ISavedPrefsHandler

Properties

Prefix

Declaration

public string Prefix { get; }

Property Value

ТУРЕ	DESCRIPTION
System.String	

Methods

Delete(String)

Declaration

public void Delete(string key)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.String	key	

Get<T>(String)

Declaration

public T Get<T>(string key)

Parameters

ТУРЕ	NAME	DESCRIPTION
System.String	key	

Returns

ТҮРЕ	DESCRIPTION
Т	

Type Parameters

NAME	DESCRIPTION
Т	

Save<T>(String, T)

Declaration

public void Save<T>(string key, T value)

Parameters

ТУРЕ	NAME	DESCRIPTION
System.String	key	
Т	value	

Type Parameters

NAME	DESCRIPTION
Т	

Class SUGARManager

Access point for SUGAR related classes.

Inheritance

System.Object

SUGARManager

Namespace: PlayGen.SUGAR.Unity
Assembly: PlayGen.SUGAR.Unity.dll

Syntax

```
public static class SUGARManager : object
```

Properties

Account

Unity client for calls related to accounts

Declaration

```
public static AccountUnityClient Account { get; }
```

Property Value

ТҮРЕ	DESCRIPTION
AccountUnityClient	

ClassId

Group name gathered from auto sign in.

Declaration

```
public static string ClassId { get; }
```

Property Value

ТҮРЕ	DESCRIPTION
System.String	

Client

Class for contacting SUGAR client functionality

Declaration

```
public static SUGARClient Client { get; }
```

Property Value

ТҮРЕ	DESCRIPTION
SUGARClient	

CurrentGroup

Currently signed in user's primary group.

Declaration

{ get; }
{ get

Property Value

ТҮРЕ	DESCRIPTION
ActorResponse	

CurrentUser

Currently signed in user.

Declaration

```
public static ActorResponse CurrentUser { get; }
```

Property Value

ТҮРЕ	DESCRIPTION
ActorResponse	

Evaluation

Unity client for calls related to evaluations

Declaration

```
public static EvaluationUnityClient Evaluation { get; }
```

Property Value

ТҮРЕ	DESCRIPTION
EvaluationUnityClient	

GameData

Unity client for calls related to gamedata

Declaration

```
public static GameDataUnityClient GameData { get; }
```

Property Value

ТҮРЕ	DESCRIPTION
GameDataUnityClient	

Gameld

Gameld for this application.

Declaration

```
public static int GameId { get; }
```

ТҮРЕ	DESCRIPTION
System.Int32	

GameLeaderboard

Unity client for calls related to leaderboard lists

Declaration

```
public static LeaderboardListUnityClient GameLeaderboard { get; }
```

Property Value

ТУРЕ	DESCRIPTION
LeaderboardListUnityClient	

GroupMember

Unity client for calls related to group members

Declaration

```
public static GroupMemberUnityClient GroupMember { get; }
```

Property Value

ТҮРЕ	DESCRIPTION
GroupMemberUnityClient	

Leaderboard

Unity client for calls related to leaderboard standings

Declaration

```
public static LeaderboardUnityClient Leaderboard { get; }
```

Property Value

ТҮРЕ	DESCRIPTION
LeaderboardUnityClient	

Resource

Unity client for calls related to resources

Declaration

```
public static ResourceUnityClient Resource { get; }
```

Property Value

ТҮРЕ	DESCRIPTION
ResourceUnityClient	

Unity

Class for managing Unity elements of the asset

Declaration

```
public static SUGARUnityManager Unity { get; }
```

Property Value

ТҮРЕ	DESCRIPTION
SUGARUnityManager	

UserFriend

Unity client for calls related to friend lists

Declaration

```
public static UserFriendUnityClient UserFriend { get; }
```

Property Value

ТҮРЕ	DESCRIPTION
UserFriendUnityClient	

UserGroup

Unity client for calls related to user groups

Declaration

```
public static UserGroupUnityClient UserGroup { get; }
```

Property Value

ТҮРЕ	DESCRIPTION
UserGroupUnityClient	

UserSignedIn

Is there a user currently signed in.

Declaration

```
public static bool UserSignedIn { get; }
```

Property Value

ТҮРЕ	DESCRIPTION
System.Boolean	

Methods

SetClassId(String)

Set the ClassId for the currently signed in user

Declaration

public static void SetClassId(string classid)

Parameters

ТУРЕ	NAME	DESCRIPTION
System.String	classid	

Set Current Group (Actor Response)

Set the 'primary' group for the currently signed in user

Declaration

public static void SetCurrentGroup(ActorResponse group)

ТҮРЕ	NAME	DESCRIPTION
ActorResponse	group	

Class SUGARUnityManager

Class for managing Unity elements of the asset

Inheritance

System.Object

SUGARUnityManager

Namespace: PlayGen.SUGAR.Unity
Assembly: PlayGen.SUGAR.Unity.dll

Syntax

public class SUGARUnityManager : MonoBehaviour

Fields

CustomInterfaces

Declaration

public Dictionary<string, GameObject> CustomInterfaces

Field Value

ТҮРЕ	DESCRIPTION
Dictionary < System. String, GameObject >	

Properties

AnyActiveUI

Is any piece of SUGAR UI currently active?

Declaration

public bool AnyActiveUI { get; }

Property Value

ТҮРЕ	DESCRIPTION
System.Boolean	

SpinnerActive

Declaration

public bool SpinnerActive { get; }

Property Value

ТҮРЕ	DESCRIPTION
System.Boolean	

Methods

CreateSUGARClient(String)

Declaration

protected virtual SUGARClient CreateSUGARClient(string baseAddress)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.String	baseAddress	

Returns

ТҮРЕ	DESCRIPTION
SUGARClient	

DisableObject(GameObject)

Disable a piece of SUGAR UI. This should be used instead of SetActive to ensure UI and blocker ordering is correct.

Declaration

public void DisableObject(GameObject activeObject)

Parameters

ТҮРЕ	NAME	DESCRIPTION
GameObject	activeObject	

EnableObject(GameObject)

Enable a piece of SUGAR UI. This should be used instead of SetActive to ensure UI and blocker ordering is correct.

Declaration

public void EnableObject(GameObject activeObject)

Parameters

ТҮРЕ	NAME	DESCRIPTION
GameObject	activeObject	

GameValidityCheck()

Declaration

public bool GameValidityCheck()

Returns

ТҮРЕ	DESCRIPTION
System.Boolean	

SetBlocker(Boolean, Boolean)

Set if the blocker should be used and if it should close objects when clicked

Declaration

public void SetBlocker(bool use, bool block)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.Boolean	use	
System.Boolean	block	

SetSpinner(Boolean, Int32)

Set the direction and speed of the loading spinner

Declaration

```
public void SetSpinner(bool clockwise, int speed)
```

Parameters

ТУРЕ	NAME	DESCRIPTION
System.Boolean	clockwise	
System.Int32	speed	

StartSpinner(String)

Start the loading spinner. This method should be used instead of directly calling Loading. Start to ensure UI and blocker ordering is correct.

Declaration

```
public void StartSpinner(string text = "")
```

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.String	text	

StopSpinner(String, Single)

Stop the loading spinner. This method should be used instead of directly calling Loading. Stop to ensure UI and blocker ordering is correct.

Declaration

```
public void StopSpinner(string text = "", float stopDelay = 0F)
```

ТҮРЕ	NAME	DESCRIPTION
System.String	text	
System.Single	stopDelay	

Class UserFriendUnityClient

Unity client for calls related to user friends.

Inheritance

System.Object

BaseUnityClient < BaseUserFriendInterface >

UserFriendUnityClient

Inherited Members

BaseUnityClient < BaseUserFriendInterface > ._landscapeInterface

BaseUnityClient < BaseUserFriendInterface > ._portraitInterface

BaseUnityClient < BaseUserFriendInterface > ._interface

BaseUnityClient < BaseUserFriendInterface > . HasInterface

BaseUnityClient < BaseUserFriendInterface > .lsActive

BaseUnityClient < BaseUserFriendInterface > . Update()

BaseUnityClient < BaseUserFriendInterface > . Hide()

Namespace: PlayGen.SUGAR.Unity
Assembly: PlayGen.SUGAR.Unity.dll

Syntax

public class UserFriendUnityClient : BaseUnityClient<BaseUserFriendInterface>

Properties

Friends

Friends list for currently signed in user.

Declaration

public List<ActorResponseAllowableActions> Friends { get; }

Property Value

ТҮРЕ	DESCRIPTION
List < ActorResponseAllowableActions >	

PendingReceived

Pending received friend requests for currently signed in user.

Declaration

public List<ActorResponseAllowableActions> PendingReceived { get; }

Property Value

ТҮРЕ	DESCRIPTION
List < ActorResponseAllowableActions >	

PendingSent

Pending sent friend requests for currently signed in user.

Declaration

```
public List<ActorResponseAllowableActions> PendingSent { get; }
```

Property Value

ТҮРЕ	DESCRIPTION
List < ActorResponse Allowable Actions >	

SearchResults

Last set of search results.

Declaration

```
public List<ActorResponseAllowableActions> SearchResults { get; }
```

Property Value

ТҮРЕ	DESCRIPTION
List < ActorResponseAllowableActions >	

Methods

AddFriend(Int32, Boolean)

Send friend request to user with id provided. If reload is true, UI is also redrawn.

Declaration

```
public void AddFriend(int id, bool reload = true)
```

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.Int32	id	
System.Boolean	reload	

Display()

Updates lists and displays UI object if provided.

Declaration

```
public void Display()
```

GetFriendsList(Action < Boolean >)

Get friends list for the currently signed in user.

Declaration

```
public void GetFriendsList(Action<bool> success)
```

ТҮРЕ	NAME	DESCRIPTION
Action < System. Boolean >	success	

ManageFriendRequest(Int32, Boolean, Boolean, Boolean)

Resolve friend request to user with id provided. If reload is true, UI is also redrawn. Reverse should be true if cancelling sent request. Accept and reverse cannot both be true.

Declaration

public void ManageFriendRequest(int id, bool accept, bool reverse = false, bool reload = true)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.Int32	id	
System.Boolean	accept	
System.Boolean	reverse	
System.Boolean	reload	

RemoveFriend(Int32, Boolean)

Remove user with id provided from friends list. If reload is true, UI is also redrawn.

Declaration

public void RemoveFriend(int id, bool reload = true)

ТҮРЕ	NAME	DESCRIPTION
System.Int32	id	
System.Boolean	reload	

Class UserGroupUnityClient

Unity client for calls related to group lists.

Inheritance

System.Object

BaseUnityClient < BaseUserGroupInterface >

UserGroupUnityClient

Inherited Members

BaseUnityClient < BaseUserGroupInterface > ._landscapeInterface

 $Base Unity Client < Base User Group Interface > ._portrait Interface$

BaseUnityClient < BaseUserGroupInterface > ._interface

BaseUnityClient < BaseUserGroupInterface > . HasInterface

BaseUnityClient < BaseUserGroupInterface > .lsActive

BaseUnityClient < BaseUserGroupInterface > . Update()

BaseUnityClient < BaseUserGroupInterface > . Hide()

Namespace: PlayGen.SUGAR.Unity
Assembly: PlayGen.SUGAR.Unity.dll

Syntax

public class UserGroupUnityClient : BaseUnityClient<BaseUserGroupInterface>

Properties

Groups

List of groups that the currently signed in user is a member of.

Declaration

public List<ActorResponseAllowableActions> Groups { get; }

Property Value

ТҮРЕ	DESCRIPTION
List < ActorResponseAllowableActions >	

PendingSent

List of groups that the currently signed in user has applied to join.

Declaration

public List<ActorResponseAllowableActions> PendingSent { get; }

Property Value

ТҮРЕ	DESCRIPTION
List < ActorResponseAllowableActions >	

SearchResults

List of groups that matched the last search string.

Declaration

```
public List<ActorResponseAllowableActions> SearchResults { get; }
```

Property Value

ТҮРЕ	DESCRIPTION
List < ActorResponse Allowable Actions >	

Methods

AddGroup(Int32, Boolean)

Send group membership request to group with id provided. If reload is true, UI is also redrawn.

Declaration

```
public void AddGroup(int id, bool reload = true)
```

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.Int32	id	
System.Boolean	reload	

Display()

Gathers updated versions of each list and displays UI object if provided.

Declaration

```
public void Display()
```

GetGroupsList(Action < Boolean >)

Get group list for the currently signed in user.

Declaration

```
public void GetGroupsList(Action<bool> success)
```

Parameters

ТҮРЕ	NAME	DESCRIPTION
Action < System. Boolean >	success	

ManageGroupRequest(Int32, Boolean)

Cancel sent membership request to group with id provided. If reload is true, UI is also redrawn.

Declaration

```
public void ManageGroupRequest(int id, bool reload = true)
```

ТҮРЕ	NAME	DESCRIPTION
System.Int32	id	
System.Boolean	reload	

RemoveGroup(Int32, Boolean)

Leave group with id provided. If reload is true, UI is also redrawn.

Declaration

public void RemoveGroup(int id, bool reload = true)

ТҮРЕ	NAME	DESCRIPTION
System.Int32	id	
System.Boolean	reload	

Namespace PlayGen.SUGAR.Unity.Editor

Classes

AutoLogIn

 ${\sf EditGameSeed}$

EditGameSeedWindow

 ${\sf SeedGame}$

 ${\sf SeedGameWindow}$

 ${\sf SetEditorAutoLogin}$

Set Editor Auto Login. Auto Login Option

Set Editor Auto Login. Bool Value

Set Editor Auto Login. String Value

Class AutoLogIn

Inheritance

System.Object

AutoLogIn

Namespace: PlayGen.SUGAR.Unity.Editor Assembly: PlayGen.SUGAR.Unity.Editor.dll

Syntax

public class AutoLogIn : EditorWindow

Class EditGameSeed

Inheritance

System.Object

EditGameSeed

Namespace: PlayGen.SUGAR.Unity.Editor Assembly: PlayGen.SUGAR.Unity.Editor.dll

Syntax

public static class EditGameSeed : object

Methods

ShowEditGameSeed()

Declaration

public static void ShowEditGameSeed()

Class EditGameSeedWindow

Inheritance

System.Object

 ${\sf EditGameSeedWindow}$

Namespace: PlayGen.SUGAR.Unity.Editor Assembly: PlayGen.SUGAR.Unity.Editor.dll

Syntax

public class EditGameSeedWindow : EditorWindow

Methods

SetGameSeed(TextAsset)

Declaration

public void SetGameSeed(TextAsset gameSeedText)

ТҮРЕ	NAME	DESCRIPTION
TextAsset	gameSeedText	

Class SeedGame

Inheritance

System.Object

SeedGame

Namespace: PlayGen.SUGAR.Unity.Editor Assembly: PlayGen.SUGAR.Unity.Editor.dll

Syntax

public static class SeedGame : object

Properties

DefaultGameSeed

Declaration

public static TextAsset DefaultGameSeed { get; }

Property Value

ТҮРЕ	DESCRIPTION
TextAsset	

Methods

ShowSeedGameWindow()

Declaration

public static void ShowSeedGameWindow()

TryApplySeed(String, String, TextAsset, out List<String>)

Declaration

public static bool TryApplySeed(string username, string password, TextAsset gameSeedText, out List<string>
errors)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.String	username	
System.String	password	
TextAsset	gameSeedText	
List < System. String >	errors	

Returns

ТУРЕ	DESCRIPTION
System.Boolean	

Class SeedGameWindow

Inheritance

System.Object

SeedGameWindow

Namespace: PlayGen.SUGAR.Unity.Editor Assembly: PlayGen.SUGAR.Unity.Editor.dll

Syntax

public class SeedGameWindow : EditorWindow

Methods

SetGameSeed(TextAsset)

Declaration

public void SetGameSeed(TextAsset gameSeed)

ТҮРЕ	NAME	DESCRIPTION
TextAsset	gameSeed	

Class SetEditorAutoLogin

Inheritance

System.Object

 ${\sf SetEditorAutoLogin}$

Namespace: PlayGen.SUGAR.Unity.Editor Assembly: PlayGen.SUGAR.Unity.Editor.dll

Syntax

public static class SetEditorAutoLogin : object

Fields

AutoLoginOptions

Declaration

public static List<SetEditorAutoLogin.AutoLoginOption> AutoLoginOptions

Field Value

ТҮРЕ	DESCRIPTION
List < SetEditorAutoLogin.AutoLoginOption >	

Methods

DependentValue(String)

Declaration

public static bool DependentValue(string dependingValueKey)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.String	dependingValueKey	

Returns

ТҮРЕ	DESCRIPTION
System.Boolean	

SetAutoLogIn()

Declaration

public static void SetAutoLogIn()

Class SetEditorAutoLogin.AutoLoginOption

Inheritance

System.Object

SetEditorAutoLogin.AutoLoginOption

SetEditorAutoLogin.BoolValue

Set Editor Auto Login. String Value

Namespace: PlayGen.SUGAR.Unity.Editor Assembly: PlayGen.SUGAR.Unity.Editor.dll

Syntax

public class AutoLoginOption : object

Fields

AutoLoginPrefix

Declaration

public string AutoLoginPrefix

Field Value

ТҮРЕ	DESCRIPTION
System.String	

DependsOnValue

depends on value name must be the name of a boolean

Declaration

public string DependsOnValue

Field Value

ТҮРЕ	DESCRIPTION
System.String	

Key

Declaration

public string Key

Field Value

ТҮРЕ	DESCRIPTION
System.String	

Label

Declaration

public string Label

Field Value

ТУРЕ	DESCRIPTION
System.String	

Required

Declaration

public bool Required

Field Value

ТҮРЕ	DESCRIPTION
System.Boolean	

SugarRefName

Declaration

public string SugarRefName

Field Value

ТҮРЕ	DESCRIPTION
System.String	

Class SetEditorAutoLogin.BoolValue

Inheritance

System.Object

SetEditorAutoLogin.AutoLoginOption

SetEditorAutoLogin.BoolValue

Inherited Members

SetEditorAutoLogin.AutoLoginOption.Label

SetEditor AutoLogin Option. Key

Set Editor Auto Login. Auto Login Option. Sugar Ref Name

SetEditorAutoLogin.AutoLoginOption.Required

Set Editor Auto Login Option. Auto Login Prefix

Set Editor Auto Login. Auto Login Option. Depends On Value

Namespace: PlayGen.SUGAR.Unity.Editor Assembly: PlayGen.SUGAR.Unity.Editor.dll

Syntax

public class BoolValue : SetEditorAutoLogin.AutoLoginOption

Constructors

BoolValue(Boolean)

Declaration

public BoolValue(bool value)

Parameters

ТУРЕ	NAME	DESCRIPTION
System.Boolean	value	

BoolValue(String, String, String, Boolean, Boolean)

Declaration

public BoolValue(string label, string key, string sugarRefName, string autoLoginPrefix, bool required = false, bool value = false)

ТҮРЕ	NAME	DESCRIPTION
System.String	label	
System.String	key	
System.String	sugarRefName	
System.String	autoLoginPrefix	
System.Boolean	required	
System.Boolean	value	

Fields

Value

Declaration

public bool Value

Field Value

ТҮРЕ	DESCRIPTION
System.Boolean	

Class SetEditorAutoLogin.StringValue

Inheritance

System.Object

SetEditorAutoLogin.AutoLoginOption

SetEditorAutoLogin.StringValue

Inherited Members

SetEditorAutoLogin.AutoLoginOption.Label

SetEditor AutoLogin Option. Key

SetEditorAutoLogin.AutoLoginOption.SugarRefName

SetEditorAutoLogin.AutoLoginOption.Required

Set Editor Auto Login Option. Auto Login Prefix

Set Editor Auto Login. Auto Login Option. Depends On Value

Namespace: PlayGen.SUGAR.Unity.Editor Assembly: PlayGen.SUGAR.Unity.Editor.dll

Syntax

public class StringValue : SetEditorAutoLogin.AutoLoginOption

Constructors

StringValue(String)

Declaration

public StringValue(string value)

Parameters

ТҮРЕ	NAME	DESCRIPTION
System.String	value	

StringValue(String, String, String, String, Boolean, Boolean, String)

Declaration

public StringValue(string label, string key, string sugarRefName, string autoLoginPrefix, string
dependsOnValue = "", bool required = false, bool hidden = false, string value = "")

ТҮРЕ	NAME	DESCRIPTION
System.String	label	
System.String	key	
System.String	sugarRefName	
System.String	autoLoginPrefix	
System.String	dependsOnValue	
System.Boolean	required	

ТҮРЕ	NAME	DESCRIPTION
System.Boolean	hidden	
System.String	value	

Fields

Hidden

Declaration

public bool Hidden

Field Value

ТҮРЕ	DESCRIPTION
System.Boolean	

Value

Declaration

public string Value

Field Value

ТҮРЕ	DESCRIPTION
System.String	

Namespace PlayGen.SUGAR.Unity.WebGL

Classes

 ${\bf Unity Web GIHttp Handler}$

Class UnityWebGlHttpHandler

Inheritance

System.Object

UnityWebGlHttpHandler

Namespace: PlayGen.SUGAR.Unity.WebGL Assembly: PlayGen.SUGAR.Unity.WebGL.dll

Syntax

public class UnityWebGlHttpHandler : IHttpHandler

Methods

HandleRequest(HttpRequest)

Declaration

public HttpResponse HandleRequest(HttpRequest request)

Parameters

ТҮРЕ	NAME	DESCRIPTION
HttpRequest	request	

Returns

ТҮРЕ	DESCRIPTION
HttpResponse	