Spil iOS Framework

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Contents

1	Hiera	archica	l Index		1
	1.1	Class I	Hierarchy		1
2	Clas	s Index			3
	2.1	Class I	List		3
3	Clas	s Docu	mentatior	n	5
	3.1	<app8< td=""><td>SettingsDe</td><td>elegate> Protocol Reference</td><td>5</td></app8<>	SettingsDe	elegate> Protocol Reference	5
		3.1.1	Detailed	Description	5
		3.1.2	Method I	Documentation	5
			3.1.2.1	appSettingsDidFailWithError:	5
			3.1.2.2	appSettingsDidLoad:	5
			3.1.2.3	appSettingsDidStartDownload	6
	3.2	<inga< td=""><td>ımeAdsDe</td><td>elegate> Protocol Reference</td><td>6</td></inga<>	ımeAdsDe	elegate> Protocol Reference	6
		3.2.1	Method I	Documentation	6
			3.2.1.1	adDidFailToGetInGameAd:	6
			3.2.1.2	adDidGetInGameAd:	6
	3.3	Spil(Al	BTest) Cat	tegory Reference	7
		3.3.1	Method I	Documentation	7
			3.3.1.1	abtestGetTestDiff	7
			3.3.1.2	abtestGetTestDiffForUser:	7
			3.3.1.3	abtestMarkSucceedTest:withParameters:	7
			3.3.1.4	abtestUpdateUserInfo	7
			3.3.1.5	abtestUpdateUserInfoWith:	
			3.3.1.6	setABTestDelegate:	
	3.4	Spil(Ad	ds) Catego	pry Reference	
		3.4.1	,	Documentation	
		O. r. i	3.4.1.1	adsCacheNextInterstitial	
			3.4.1.2	adsCacheNextInterstitial:	
			U.T. I.Z	ausoutherrecklifterstitiet,	J

iv CONTENTS

		3.4.1.3	adsEnabled:	9
		3.4.1.4	adsMarkInGameAdAsShown:	9
		3.4.1.5	adsNextInterstitial	9
		3.4.1.6	adsNextInterstitial:	9
		3.4.1.7	adsRequestInGameAd:	10
		3.4.1.8	adsRequestInGameAd:atLocation:	10
		3.4.1.9	adsRequestInGameAdAsset:	10
		3.4.1.10	adsRequestInGameAdAsset:atLocation:	11
		3.4.1.11	adsShowMoreGames	11
		3.4.1.12	setAdsDelegate:	11
		3.4.1.13	setInGameAdsDelegate:	11
3.5	Spil(Ap	pSettings)	Category Reference	11
	3.5.1	Method D	Occumentation	12
		3.5.1.1	setAppSettingsDelegate:	12
3.6	Spil(Tra	acking) Cat	tegory Reference	13
	3.6.1	Method D	Occumentation	13
		3.6.1.1	trackEndTimedEvent:	13
		3.6.1.2	trackEndTimedEvent:withParams:	13
		3.6.1.3	trackError:message:exception:	14
		3.6.1.4	trackEvent:	14
		3.6.1.5	trackEvent:action:label:value:	14
		3.6.1.6	trackEvent:withParams:	14
		3.6.1.7	trackPage:	14
		3.6.1.8	trackTimedEvent:	15

Chapter 1

Hierarchical Index

1.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

ppSettingsDelegate>	5
SObject>	
<ingameadsdelegate></ingameadsdelegate>	6
(ABTest)	7
(Ads)	8
(AppSettings)	1
(Tracking)	3

2 **Hierarchical Index**

Chapter 2

Class Index

2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

<appsettingsdelegate></appsettingsdelegate>	 	 	 	 	 	 							5
<ingameadsdelegate></ingameadsdelegate>	 	 	 	 	 	 							. 6
Spil(ABTest)	 	 	 	 	 	 							. 7
Spil(Ads)	 	 	 	 	 	 							
Spil(AppSettings)	 	 	 	 	 	 							. 11
Spil(Tracking)	 	 	 	 	 	 							13

Class Index

Chapter 3

Class Documentation

3.1 < AppSettingsDelegate > Protocol Reference

```
#import <AppSettingsDelegate.h>
```

Instance Methods

- (void) appSettingsDidLoad:
- (void) appSettingsDidFailWithError:
- (void) appSettingsDidStartDownload

3.1.1 Detailed Description

Protocol to handle the responses from the App Settings subsystem

3.1.2 Method Documentation

```
3.1.2.1 - (void) appSettingsDidFailWithError: (NSError *) error [required]
```

Method to call back in case the settings couldn't be loaded. Usually the reasons to call this method will be:

- if there is any parsing error in the remote settings and in the local settings.
- if there is a connection error, and the file of the defaults cannot be found locally.
 Parameters

```
error Error describing what was wrong.
```

```
3.1.2.2 - (void) appSettingsDidLoad: (NSDictionary *) settings [required]
```

Method to call back when the settings are finally loaded. This methods will receive the settings loaded in the form of a dictionary. The developers should know the structure of the dictionary since they created the default settings file.

Parameters

settings	The settings loaded.	The format and the values are defined by the developer of the app.
----------	----------------------	--

3.1.2.3 - (void) appSettingsDidStartDownload [required]

Method to call back when the download of the settings has been started. Can be use to notify the user or do other tasks until everything is downloaded.

The documentation for this protocol was generated from the following file:

 /Users/Shared/Jenkins/Home/workspace/native-ios-framework/src/Classes/public/delegates/AppSettings-Delegate.h

3.2 < InGameAdsDelegate > Protocol Reference

Inheritance diagram for <InGameAdsDelegate>:



Instance Methods

- (void) adDidGetInGameAd:
- (void) adDidFailToGetInGameAd:

3.2.1 Method Documentation

3.2.1.1 - (void) adDidFailToGetInGameAd: (NSError *) error

Method to callback when an error happened trying to retrieve the ad from the server.

Parameters

error	An error code describing the cause of the error.

3.2.1.2 - (void) adDidGetInGameAd: (UIView *) image

Method to callback when a in game ad has been retrieved from the server. This view will handle the display event and will mark the advert as shown.

Parameters

image	A UIView that will respond to the events when it's displayed and clicked.

The documentation for this protocol was generated from the following file:

/Users/Shared/Jenkins/Home/workspace/native-ios-framework/src/Classes/public/delegates/InGameAdsDelegate. h

3.3 Spil(ABTest) Category Reference

Instance Methods

- (void) setABTestDelegate:
- (void) abtestUpdateUserInfo
- (void) abtestUpdateUserInfoWith:
- (void) abtestGetTestDiff
- (void) abtestGetTestDiffForUser:
- (void) abtestMarkSucceedTest:withParameters:

3.3.1 Method Documentation

3.3.1.1 - (void) abtestGetTestDiff

Sends a request to retrieve the test differences for this user (MAC Address). The differences will be sent asynchronously to the ABTestDelegate implemented and set in the getABTest method.

3.3.1.2 - (void) abtestGetTestDiffForUser: (NSString *) user

For development purposes only. Send a request to retrieve the test differences for this user. The differences will be sent asynchronously to the ABTestDelegate implemented and set in the getABTest method.

Parameters

user	The user to force the different variants of the A/B test.

3.3.1.3 - (void) abtestMarkSucceedTest: (NSString *) name withParameters:(NSDictionary *) params

Marks a particular resource as a success with the parameters that lead to that success. This method should be called with the exact name of the resource and also it must be called with the control version to be able to compare results.

Parameters

nam	The name of the resource to mark as a successful one.
param	A dictionary with extra parameters relevant for the analysis of the action called.

3.3.1.4 - (void) abtestUpdateUserInfo

Updates the user basic information to create segments and improve A/B tests. This method will send:

Country

- Language
- · Device (ipad, ipod, iphone)
- · OS Platform (version)

3.3.1.5 - (void) abtestUpdateUserInfoWith: (NSDictionary *) extraInfo

Updates the user information to create segments and improve A/B tests. This method will send the basic information plus all the information included in the extra info

Parameters

extraInfo	A dictionary with all the extra parameter we want to submit.
-----------	--

See Also

- abtestUpdateUserInfo

3.3.1.6 - (void) setABTestDelegate: (id< ABTestDelegate >) delegate

Sets the ABTestDelegate and receive the proper notifications from it. Without the delegate this subsystem is disabled.

Parameters

delegate T	The delegate to handle the events generated by the A/B test subsystem.
------------	--

The documentation for this category was generated from the following file:

/Users/Shared/Jenkins/Home/workspace/native-ios-framework/src/Classes/public/Spil+ABTest.h

3.4 Spil(Ads) Category Reference

Instance Methods

- (void) setAdsDelegate:
- (void) adsEnabled:
- (void) adsShowMoreGames
- (void) adsNextInterstitial
- (void) adsNextInterstitial:
- (void) adsCacheNextInterstitial
- (void) adsCacheNextInterstitial:
- (void) setInGameAdsDelegate:
- (BOOL) adsRequestInGameAd:
- (BOOL) adsRequestInGameAd:atLocation:
- (void) adsRequestInGameAdAsset:
- (void) adsRequestInGameAdAsset:atLocation:
- (void) adsMarkInGameAdAsShown:

3.4.1 Method Documentation

3.4.1.1 - (void) adsCacheNextInterstitial

Caches the next interstitial image to speed up the load time. Uses the default location.

See Also

- adsCacheNextInterstitial:

3.4.1.2 - (void) adsCacheNextInterstitial: (NSString *) location

Caches the next interstitial image to speed up the load time. Use the location parameter to indicate where the ad is being displayed, for instance, "mainmenu", "store", "pausemenu". This helps to improve the advertisement campaigns.

Parameters

location	Location to be used for this interstitial

3.4.1.3 - (void) adsEnabled: (BOOL) state

Turns on/off if the ads should be displayed. The ads are displayed by default.

Parameters

state	Indicates if the ads should be displayed or not.
-------	--

3.4.1.4 - (void) adsMarkInGameAdAsShown: (NSString *) adId

Marks the ad as shown, this will be use only for the unity plugin. Use this method if and only if you used adsRequestIn-GameAdAsset to get the asset and render the ad by yourself. The usage of this method if discourage and should only be used if you know the whole Chartboost's workflow properly.

Parameters

adld	The advert id returned by chartboost assets lib.
------	--

3.4.1.5 - (void) adsNextInterstitial

Shows an ad right away, using the default location.

See Also

- adsNextInterstitial:

3.4.1.6 - (void) adsNextInterstitial: (NSString *) location

Shows an ad right away, using the specified location. Use the location parameter to indicate where the ad is being displayed, for instance, "mainmenu", "store", "pausemenu". This helps to improve the advertisement campaigns.

Parameters

location	Location to be used for this interstitial

3.4.1.7 - (BOOL) adsRequestInGameAd: (CGSize) size

Makes a request to get an advert (on the default location) and return it to the invoker when it's done through the In-GameAdsDelegate implementation set up prior the call to this method. This methods returns right away and gives NO if there is not a valid chartboost instance, YES otherwise. Although this method returns YES, it doesn't mean the ad will be in fact retrieved and returned.

See Also

- adsRequestInGameAd:atLocation:

Parameters

size	The width and height desired for this ad.
5.25	The main and height deemed for the act

Returns

NO if there chartboost provider is not valid. YES otherwise.

3.4.1.8 - (BOOL) adsRequestInGameAd: (CGSize) size atLocation:(NSString *) location

Makes a request to get an advert and return it to the invoker when it's done through the InGameAdsDelegate implementation set up prior the call to this method. Use the location parameter to indicate where the ad is being displayed, for instance, "mainmenu", "store", "pausemenu". This helps to improve the advertisement campaigns. This methods returns right away and gives NO if there is not a valid chartboost instance, YES otherwise. Although this method returns YES, it doesn't mean the ad will be in fact retrieved and returned.

Parameters

size	The width and height desired for this ad.
location	Location to be used for this interstitial

Returns

NO if there chartboost provider is not valid. YES otherwise.

3.4.1.9 - (void) adsRequestInGameAdAsset: (NSDictionary *) (NSError *) callback

Retrieves the JSON description of the assets, and pass it back to the invoker block a decoded JSON format. The invoker is the responsable for scale and download the asset if it's present. The usage of this method if discourage and should only be used if you know the whole Chartboost's workflow properly, use adsRequestInGameAd: instead.

See Also

- adsRequestInGameAd:

Parameters

callback	A callback that will receive the information as a dictionary that can be serialized.
----------	--

3.4.1.10 - (void) adsRequestInGameAdAsset: (NSDictionary *) (NSError *) callback atLocation:(NSString *) location

Retrieves the JSON description of the assets, and pass it back to the invoker block a decoded JSON format. The invoker is the responsable for scale and download the asset if it's present. Use the location parameter to indicate where the ad is being displayed, for instance, "mainmenu", "store", "pausemenu". This helps to improve the advertisement campaigns. The usage of this method if discourage and should only be used if you know the whole Chartboost's workflow properly, use adsRequestInGameAd:atLocation: instead.

Parameters

callback	A callback that will receive the information as a dictionary that can be serialized.
location	Location to be used for this interstitial

3.4.1.11 - (void) adsShowMoreGames

Shows the More Games screen right away.

3.4.1.12 - (void) setAdsDelegate: (id< AdsDelegate >) delegate

Sets the AdsDelegate and receive the proper notifications from it. Without the delegate this subsystem is disabled.

Parameters

delegate	The delegate to handle the events generated by the Ads subsystem.
----------	---

3.4.1.13 - (void) setInGameAdsDelegate: (id < InGameAdsDelegate >) delegate

Sets the delegate to handle the events received by the in-game ads system. Without this delegate the InGameAds subsytem is disabled.

Parameters

dologoto	The ade delegate who is going to headle the events
delegate	The ads delegate who is going to handle the events.

The documentation for this category was generated from the following file:

/Users/Shared/Jenkins/Home/workspace/native-ios-framework/src/Classes/public/Spil+Ads.h

3.5 Spil(AppSettings) Category Reference

Instance Methods

• (void) - setAppSettingsDelegate:

3.5.1 Method Documentation

3.5.1.1 - (void) setAppSettingsDelegate: (id < AppSettingsDelegate >) delegate

Sets the AppSettingsDelegate and receive the proper notifications from it. A delegate is required in order to deliver the settings downloaded from the server or loaded from the default files. Without the delegate this subsystem is disabled.

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Parameters

delegate	The delegate to handle the response of the AppSettings subsystem.
----------	---

The documentation for this category was generated from the following file:

/Users/Shared/Jenkins/Home/workspace/native-ios-framework/src/Classes/public/Spil+AppSettings.h

3.6 Spil(Tracking) Category Reference

Instance Methods

- (void) trackPage:
- (void) trackEvent:
- (void) trackEvent:action:label:value:
- (void) trackEvent:withParams:
- (void) trackTimedEvent:
- (void) trackEndTimedEvent:withParams:
- (void) trackEndTimedEvent:
- (void) trackError:message:exception:

3.6.1 Method Documentation

3.6.1.1 - (void) trackEndTimedEvent: (NSString *) event

Tracks the end of an event that was started. If the tracking system support it natively the equivalent method will be used. Otherwise, an event with the end timestamp(epoch) is issued.

See Also

- trackTimedEvent:

Parameters

event	The event to track. Should match with the starting event.

3.6.1.2 - (void) trackEndTimedEvent: (NSString *) event withParams:(NSDictionary *) params

Tracks the end of an event that was started. If the tracking system support it natively the equivalent method will be used. Otherwise, an event with the end timestamp(epoch) is issued.

See Also

- trackTimedEvent:

Parameters

event	The event to track. Should match with the starting event.
params	The parameters when the event was finished.

3.6.1.3 - (void) trackError: (NSString *) event message:(NSString *) msg exception:(NSException *) exception

Tracks an error/crashes that has occured in the application. This errors appear in special sections of the analytics dashboards, therefore only use them to reflect app crashes or fatal errors. Send minor warnings with this method will clutter the ability to detect actual crashes causes.

Parameters

event	The event to track.
msg	The message with the detail of the error.
exception	The exception that causes the error.

3.6.1.4 - (void) trackEvent: (NSString *) event

Tracks an event. The event could be actions taken on some object like unlocking an achievement, or a getting a hiscore.

Parameters

event	The event to track.
-------	---------------------

3.6.1.5 - (void) trackEvent: (NSString *) category action:(NSString *) action label:(NSString *) label value:(int) value

Tracks an event under a particular category. The parameters match with the google analytics' ones. For flurry, a event with parameters is issued, where the category is the event name.

Parameters

	category	The category for this event.
Ī	action	The action took on that category.
Ī	label	Optional. A string label to especify something about the action.
Ī	value	Optional. A integer value. useful to especify error codes.

3.6.1.6 - (void) trackEvent: (NSString *) event withParams:(NSDictionary *) params

Tracks an event with particular parameters. This match the Flurry's logEvent:withParameters:

Parameters

event	The event to track
params	Additional parameters to attach to the event.

3.6.1.7 - (void) trackPage: (NSString *) page

Tracks a particular page. It can be used to keep track of the current screen separetely from the events. If the session is not started yet, this request is ignored.

Parameters

page	The page name/url to track.

3.6.1.8 - (void) trackTimedEvent: (NSString *) event

Tracks an event that should end in a finite time. If the tracking system support it natively the equivalent method will be used. Otherwise, an event with the start timestamp(epoch) is issued.

Parameters

eve		The event to track.
	-	

The documentation for this category was generated from the following file:

 $\bullet \ / Users/Shared/Jenkins/Home/workspace/native-ios-framework/src/Classes/public/Spil+Tracking.h$

Index

<appsettingsdelegate>, 5</appsettingsdelegate>	AppSettingsDelegate-p, 5
<ingameadsdelegate>, 6</ingameadsdelegate>	appSettingsDidStartDownload
	AppSettingsDelegate-p, 6
abtestGetTestDiff	
Spil(ABTest), 7	InGameAdsDelegate-p
abtestGetTestDiffForUser:	adDidFailToGetInGameAd:, 6
Spil(ABTest), 7	adDidGetInGameAd:, 6
abtestMarkSucceedTest:withParameters:	
Spil(ABTest), 7	setABTestDelegate:
abtestUpdateUserInfo	Spil(ABTest), 8
Spil(ABTest), 7	setAdsDelegate:
abtestUpdateUserInfoWith:	Spil(Ads), 11
Spil(ABTest), 8	setAppSettingsDelegate:
adDidFailToGetInGameAd:	Spil(AppSettings), 12
InGameAdsDelegate-p, 6	setInGameAdsDelegate:
adDidGetInGameAd:	Spil(Ads), 11
InGameAdsDelegate-p, 6	Spil(ABTest), 7
adsCacheNextInterstitial	abtestGetTestDiff, 7
Spil(Ads), 9	abtestGetTestDiffForUser:, 7
adsCacheNextInterstitial:	abtestMarkSucceedTest:withParameters:, 7
Spil(Ads), 9	abtestUpdateUserInfo, 7
adsEnabled:	abtestUpdateUserInfoWith:, 8
Spil(Ads), 9	setABTestDelegate:, 8
adsMarkInGameAdAsShown:	Spil(Ads), 8
Spil(Ads), 9	adsCacheNextInterstitial, 9
adsNextInterstitial	adsCacheNextInterstitial:, 9
Spil(Ads), 9	adsEnabled:, 9
adsNextInterstitial:	adsMarkInGameAdAsShown:, 9
Spil(Ads), 9	adsNextInterstitial, 9
adsRequestInGameAd:	adsNextInterstitial:, 9
Spil(Ads), 10	adsRequestInGameAd:, 10
adsRequestInGameAd:atLocation:	adsRequestInGameAd:atLocation:, 10
Spil(Ads), 10	adsRequestInGameAdAsset:, 10
adsRequestInGameAdAsset:	adsRequestInGameAdAsset:atLocation:, 11
Spil(Ads), 10	adsShowMoreGames, 11
adsRequestInGameAdAsset:atLocation:	setAdsDelegate:, 11
Spil(Ads), 11	setInGameAdsDelegate:, 11
adsShowMoreGames	Spil(AppSettings), 11
Spil(Ads), 11	setAppSettingsDelegate:, 12
AppSettingsDelegate-p	Spil(Tracking), 13
appSettingsDidFailWithError:, 5	trackEndTimedEvent:, 13
appSettingsDidLoad:, 5	trackEndTimedEvent:withParams:, 13
appSettingsDidStartDownload, 6	trackError:message:exception:, 14
appSettingsDidFailWithError:	trackEvent:, 14
AppSettingsDelegate-p, 5	trackEvent:action:label:value:, 14
appSettingsDidLoad:	trackEvent:withParams:, 14
appoorangobiacous.	duone vontavitili didilio., 17

INDEX 17

```
trackPage:, 14
     trackTimedEvent:, 15
trackEndTimedEvent:
     Spil(Tracking), 13
track End Timed Event: with Params:\\
     Spil(Tracking), 13
trackError:message:exception:
     Spil(Tracking), 14
trackEvent:
     Spil(Tracking), 14
trackEvent:action:label:value:
     Spil(Tracking), 14
trackEvent:withParams:
     Spil(Tracking), 14
trackPage:
     Spil(Tracking), 14
trackTimedEvent:
     Spil(Tracking), 15
```