Spil Android Framework

Generated by Doxygen 1.8.3.1

Wed Jun 12 2013 12:34:10

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Chapter 1

Hierarchical Index

1.1 Class Hierarchy

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

2 **Hierarchical Index**

Chapter 2

Class Index

2.1 Class List

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

com.spilgames.framework.fracking.impl.BaseTracker
com.spilgames.framework.data.managers.ConfigurationsManager.ConfigurationManagerListener 6
com.spilgames.framework.data.Configurations
com.spilgames.framework.data.dao.ConfigurationsDAO
com.spilgames.framework.data.managers.ConfigurationsManager
com.spilgames.framework.data.managers.impl.ConfigurationsManagerImpl
com.spilgames.framework.core.parser.json.impl.ConfigurationsParser
com.spilgames.framework.tracking.impl.FlurryTracker
com.spilgames.framework.core.server.FrameworkUrlHelper
com.spilgames.framework.core.Gender
com.spilgames.framework.tracking.impl.GoogleAnalyticsTracker
com.spilgames.framework.core.errorhandling.exceptions.NullHostException
com.spilgames.framework.tracking.impl.SetTracker
com.spilgames.framework.Spil
com.spilgames.framework.ui.SpilActivity
com.spilgames.framework.core.SpilConstants
com.spilgames.framework.tracking.SpilTracker
com.spilgames.framework.core.parser.json.impl.TrackingParser
com.spilgames.framework.tracking.TrackingSystems
com.spilgames.framework.core.server.UrlConstants
com.spilgames.framework.data.dao.impl.WebConfigurationsDAO

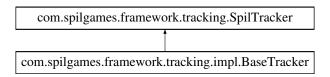
Class Index

Chapter 3

Class Documentation

3.1 com.spilgames.framework.tracking.impl.BaseTracker Class Reference

Inheritance diagram for com.spilgames.framework.tracking.impl.BaseTracker:



Public Member Functions

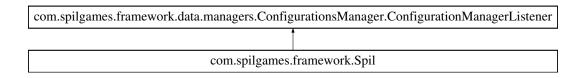
- BaseTracker (Configurations configurations)
- void trackPage (String page)
- void trackEvent (String event)
- · void trackEvent (String category, String action, String label, long value)
- void trackEvent (String category, String action, String label, long value, Map< String, String > params)
- void trackEvent (String event, Map< String, String > params)
- · void trackTimedEvent (String event)
- void trackEndTimedEvent (String event)
- void trackEndTimedEvent (String event, Map< String, String > params)
- void trackError (String event, String msg, Exception exception)
- void trackUserId (String userId)
- void trackAge (int age)
- void trackGender (Gender gender)
- · void trackLocation (Location location)
- int getActiveSystems ()
- void startGesturesScreen (String screenName)
- void stopGesturesScreen ()
- · void onStartTracking (Activity context)
- void onStopTracking (Activity context)

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

/home/jose/Projects/workspace/SpilFramework/src/com/spilgames/framework/tracking/impl/BaseTracker.-java

3.2 com.spilgames.framework.data.managers.ConfigurationsManager.Configuration-ManagerListener Interface Reference

Inheritance diagram for com.spilgames.framework.data.managers.ConfigurationsManager.ConfigurationManager-Listener:



Public Member Functions

void onConfigurationsRetreived (Configurations configs)

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

 /home/jose/Projects/workspace/SpilFramework/src/com/spilgames/framework/data/managers/Configurations-Manager.java

3.3 com.spilgames.framework.data.Configurations Class Reference

Public Member Functions

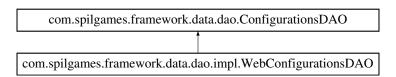
- void addAllConfigurations (Configurations configs)
- void addAllConfigurations (Map< String, String > configs)
- void addConfiguration (String key, String value)
- String getConfiguration (String key)
- Set< String > getKeys ()
- boolean containsKey (String key)
- void print ()

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

/home/jose/Projects/workspace/SpilFramework/src/com/spilgames/framework/data/Configurations.java

3.4 com.spilgames.framework.data.dao.ConfigurationsDAO Interface Reference

Inheritance diagram for com.spilgames.framework.data.dao.ConfigurationsDAO:



Public Member Functions

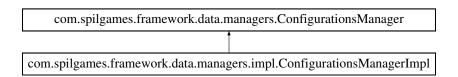
• Configurations retrieveConfigurations () throws ParseException, IOException, JSONException, NullHost-Exception, CryptoException

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

 /home/jose/Projects/workspace/SpilFramework/src/com/spilgames/framework/data/dao/ConfigurationsDA-O.java

3.5 com.spilgames.framework.data.managers.ConfigurationsManager Interface Reference

Inheritance diagram for com.spilgames.framework.data.managers.ConfigurationsManager:



Classes

· interface ConfigurationManagerListener

Public Member Functions

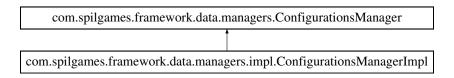
void getConfigurations (ConfigurationManagerListener owner)

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

 /home/jose/Projects/workspace/SpilFramework/src/com/spilgames/framework/data/managers/Configurations-Manager.java

3.6 com.spilgames.framework.data.managers.impl.ConfigurationsManagerImpl Class Reference

Inheritance diagram for com.spilgames.framework.data.managers.impl.ConfigurationsManagerImpl:



Public Member Functions

- ConfigurationsManagerImpl (Configurations configurations, ConnectionManager connMan, Crypto crypto)
- void getConfigurations (ConfigurationManagerListener owner)

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

 /home/jose/Projects/workspace/SpilFramework/src/com/spilgames/framework/data/managers/impl/Configurations-ManagerImpl.java

com.spilgames.framework.core.parser.json.impl.ConfigurationsParser Class Reference

Public Member Functions

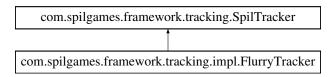
Configurations parse (String webResult) throws JSONException

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

 /home/jose/Projects/workspace/SpilFramework/src/com/spilgames/framework/core/parser/json/impl/Configurations-Parser.java

3.8 com.spilgames.framework.tracking.impl.FlurryTracker Class Reference

Inheritance diagram for com.spilgames.framework.tracking.impl.FlurryTracker:



Public Member Functions

- FlurryTracker (String flurryKey)
- · void trackPage (String page)
- void trackEvent (String event)
- void **trackEvent** (String category, String action, String label, long value)
- void trackEvent (String category, String action, String label, long value, Map< String, String > params)
- void trackEvent (String event, Map< String, String > params)
- · void trackTimedEvent (String event)
- void trackEndTimedEvent (String event)
- void trackEndTimedEvent (String event, Map< String, String > params)
- void trackError (String event, String msg, Exception exception)
- void trackUserId (String userId)
- void trackAge (int age)
- void trackGender (Gender gender)
- void trackLocation (Location location)
- void startGesturesScreen (String screenName)
- void stopGesturesScreen ()
- · void onStartTracking (Activity context)
- void onStopTracking (Activity context)

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

/home/jose/Projects/workspace/SpilFramework/src/com/spilgames/framework/tracking/impl/FlurryTracker.-java

3.9 com.spilgames.framework.core.server.FrameworkUrlHelper Class Reference

Public Member Functions

String basicRequestUrl ()

Static Public Member Functions

- static String getConfigurationRequestUrl (Configurations config) throws NullHostException
- static HttpEntity getHttpEntityFromParams (Map< String, String > parameters) throws Unsupported-EncodingException

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

 /home/jose/Projects/workspace/SpilFramework/src/com/spilgames/framework/core/server/FrameworkUrl-Helper.java

3.10 com.spilgames.framework.core.Gender Enum Reference

Public Attributes

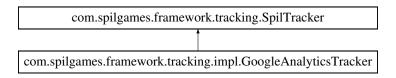
- MALE
- FEMALE

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

/home/jose/Projects/workspace/SpilFramework/src/com/spilgames/framework/core/Gender.java

3.11 com.spilgames.framework.tracking.impl.GoogleAnalyticsTracker Class Reference

Inheritance diagram for com.spilgames.framework.tracking.impl.GoogleAnalyticsTracker:



Public Member Functions

- void trackPage (String page)
- void trackEvent (String event)
- void trackEvent (String category, String action, String label, long value)
- void trackEvent (String category, String action, String label, long value, Map< String, String > params)
- void trackEvent (String event, Map< String, String > params)
- void trackTimedEvent (String event)
- void trackEndTimedEvent (String event)
- void trackEndTimedEvent (String event, Map< String, String > params)
- · void trackError (String event, String msg, Exception exception)
- void trackUserId (String userId)

- void trackAge (int age)
- void trackGender (Gender gender)
- · void trackLocation (Location location)
- void startGesturesScreen (String screenName)
- void stopGesturesScreen ()
- void onStartTracking (Activity context)
- void onStopTracking (Activity context)

Protected Member Functions

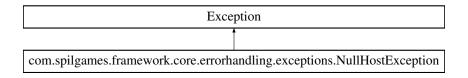
GoogleAnalyticsTracker (String ganKey)

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

 /home/jose/Projects/workspace/SpilFramework/src/com/spilgames/framework/tracking/impl/GoogleAnalytics-Tracker.java

3.12 com.spilgames.framework.core.errorhandling.exceptions.NullHostException Class Reference

Inheritance diagram for com.spilgames.framework.core.errorhandling.exceptions.NullHostException:



Public Member Functions

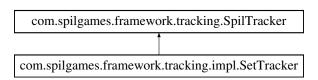
- NullHostException (final String argMessage, final Throwable argCause)
- NullHostException (final String argMessage)
- NullHostException (final Throwable argCause)

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

 /home/jose/Projects/workspace/SpilFramework/src/com/spilgames/framework/core/errorhandling/exceptions/Null-HostException.java

3.13 com.spilgames.framework.tracking.impl.SetTracker Class Reference

Inheritance diagram for com.spilgames.framework.tracking.impl.SetTracker:



Public Member Functions

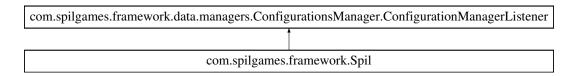
- SetTracker (Configurations configurations)
- void trackPage (String page)
- void trackEvent (String event)
- void trackEvent (String category, String action, String label, long value)
- void trackEvent (String category, String action, String label, long value, Map< String, String > params)
- void trackEvent (String event, Map< String, String > params)
- void trackTimedEvent (String event)
- void trackEndTimedEvent (String event)
- void trackEndTimedEvent (String event, Map< String, String > params)
- void trackError (String event, String msg, Exception exception)
- void trackUserId (String userId)
- void trackAge (int age)
- · void trackGender (Gender gender)
- void trackLocation (Location location)
- void startGesturesScreen (String screenName)
- void stopGesturesScreen ()
- · void onStartTracking (Activity context)
- void onStopTracking (Activity context)

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

· /home/jose/Projects/workspace/SpilFramework/src/com/spilgames/framework/tracking/impl/SetTracker.java

3.14 com.spilgames.framework.Spil Class Reference

Inheritance diagram for com.spilgames.framework.Spil:



Public Member Functions

- Map < String, Object > getSubSystems ()
- void onConfigurationsRetreived (Configurations configs)
- void trackPage (String page)
- void trackEvent (String event)
- void trackEvent (String category, String action, String label, long value)
- void trackEvent (String category, String action, String label, long value, Map< String, String > params)
- void trackEvent (String event, Map< String, String > params)
- void trackTimedEvent (String event)
- void trackEndTimedEvent (String event)
- void trackEndTimedEvent (String event, Map< String, String > params)
- void trackError (String event, String msg, Exception exception)
- void trackUserId (String userId)
- void trackAge (int age)
- void trackGender (Gender gender)
- void trackLocation (Location location)
- void onStartTracking (final Activity context)
- void onStopTracking (Activity context)

Static Public Member Functions

- static Spil spilWithAppID (String applicationID, String authToken, Map < String, String > configs)
- static Spil getInstance ()

3.14.1 Member Function Documentation

3.14.1.1 void com.spilgames.framework.Spil.trackAge (int age)

Track the age of the user is logged in the application. Useful for demographic information.

Parameters

age The age to track.	age The age to	otrack.

3.14.1.2 void com.spilgames.framework.Spil.trackEndTimedEvent (String event)

Track requesto to register 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.

Parameters

event	The event to track. Should match with the starting event.
0.0	The stant to tracin chouse mater than the stanting stant.

See Also

trackTimedEvent:

3.14.1.3 void com.spilgames.framework.Spil.trackEndTimedEvent (String event, Map < String, String > params)

Track requesto to register 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.

Parameters

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

See Also

trackTimedEvent:

3.14.1.4 void com.spilgames.framework.Spil.trackError (String event, String msg, Exception exception)

Track request to register an error that has occured in the application.

Parameters

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

3.14.1.5 void com.spilgames.framework.Spil.trackEvent (String event)

Track request to register an event. The event could be actions taken on some object like unlocking an achievement, or a getting a hi score. In google analytics jargot they will be register as a "category"="event" and the event passed as parameter as the action taken. In flurry jargot, an event with parameters is created and the parameters match with google analytics (category,action,label,value)

Parameters

event	The event to track.

3.14.1.6 void com.spilgames.framework.Spil.trackEvent (String category, String action, String label, long value)

Track request to register an event under a particular category. The parameters match with the google analytics' ones. For flurry, a event with parameters is issued.

Parameters

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

3.14.1.7 void com.spilgames.framework.Spil.trackEvent (String *category,* String *action,* String *label,* long *value,* Map < String, String > params)

Track request to register an event under a particular category. The parameters match with the google analytics' ones. For flurry, a event with parameters is issued.

Parameters

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

3.14.1.8 void com.spilgames.framework.Spil.trackEvent (String event, Map < String, String > params)

Track request to register an event with particular parameters. This match the Flurry's logEvent:withParameters:. It's not supported for GAN.

Parameters

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

3.14.1.9 void com.spilgames.framework.Spil.trackGender (Gender gender)

Track the gender of the user is logged in the application. Useful for demographic information.

Parameters

	enum Gender MALE FEMALE	
aender	enum Gender MALE FEMALE	
90,,40,	Chair Goridor WiteE ElwiteE	

3.14.1.10 void com.spilgames.framework.Spil.trackLocation (Location location)

Track the location information of the player if it's available. If the tracking system support it natively the equivalent method will be used. Otherwise, an event with the information of the location (latitude, longitude, altitude and accuracy) is issued. The event format is: location set latitude, longitude, altitude, accuracy.

Parameters

, ,	The description of the second state of the second s
Incation	I NO INCOMINA WINDER THE MENUCLE IS
location	The location where the device is.

3.14.1.11 void com.spilgames.framework.Spil.trackPage (String page)

Track request to register 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.
------	-----------------------------

3.14.1.12 void com.spilgames.framework.Spil.trackTimedEvent (String event)

Track requesto to register the start of 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

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

3.14.1.13 void com.spilgames.framework.Spil.trackUserld (String userld)

Track the user ID that logged in the application. Useful to keep track of how many users return to the application.

Parameters

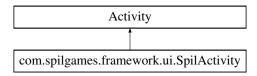
userID	The user ID to track.

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

/home/jose/Projects/workspace/SpilFramework/src/com/spilgames/framework/Spil.java

3.15 com.spilgames.framework.ui.SpilActivity Class Reference

Inheritance diagram for com.spilgames.framework.ui.SpilActivity:



Public Member Functions

- · void onCreate (Bundle savedInstanceState)
- · void onStart ()
- · void onStop ()

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

• /home/jose/Projects/workspace/SpilFramework/src/com/spilgames/framework/ui/SpilActivity.java

3.16 com.spilgames.framework.core.SpilConstants Class Reference

Static Public Attributes

- static final String SG_ENVIRONMENT_KEY = "SG_ENVIRONMENT_KEY"
- static final String SG_APP_ID_KEY = "SG_APP_ID_KEY"
- static final String **SG_AUTH_TOKEN_KEY** = "SG_AUTH_TOKEN_KEY"
- static final String TRACKING MOD NAME = "Tracking"
- static final String TRACKING_SERVICE_FLURRY = "flurry"
- static final String **TRACKING_SERVICE_MAT** = "mobile_app_tracking"
- static final String TRACKING SERVICE GAN = "google analytics"
- static final String TRACKING_SERVICE_SET = "sg_event_tracker"
- static final String TRACKING_SET_TIMEOUT = "sg_event_tracker_timeout"
- static final String TRACKING_SET_APPID = "sg_event_tracker_appid"
- static final String TRACKING SET CHANNELID = "sg event tracker channelid"
- static final String TRACKING_SET_SITEID = "sg_event_tracker_siteid"
- static final String TRACKING_SET_SESSION_TIMEOUT = "sg_event_tracker_session_expiration"

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

• /home/jose/Projects/workspace/SpilFramework/src/com/spilgames/framework/core/SpilConstants.java

3.17 com.spilgames.framework.tracking.SpilTracker Interface Reference

Inheritance diagram for com.spilgames.framework.tracking.SpilTracker:



Public Member Functions

- void trackPage (String page)
- void trackEvent (String event)
- · void trackEvent (String category, String action, String label, long value)
- void trackEvent (String category, String action, String label, long value, Map< String, String > params)
- void trackEvent (String event, Map< String, String > params)
- void trackTimedEvent (String event)
- void trackEndTimedEvent (String event)
- void trackEndTimedEvent (String event, Map< String, String > params)
- void trackError (String event, String msg, Exception exception)
- void trackUserId (String userId)
- void trackAge (int age)
- void trackGender (Gender gender)
- void trackLocation (Location location)
- void startGesturesScreen (String screenName)
- void stopGesturesScreen ()
- · void onStartTracking (Activity context)
- void onStopTracking (Activity context)

3.17.1 Detailed Description

Class to handle the tracking systems encapsulation. Currently, it works with Flurry and Google Analytics.

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

/home/jose/Projects/workspace/SpilFramework/src/com/spilgames/framework/tracking/SpilTracker.java

3.18 com.spilgames.framework.core.parser.json.impl.TrackingParser Class Reference

Static Public Member Functions

• static void parse (JSONObject jsonTracking, Configurations configs) throws JSONException

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

 /home/jose/Projects/workspace/SpilFramework/src/com/spilgames/framework/core/parser/json/impl/Tracking-Parser.java

3.19 com.spilgames.framework.tracking.TrackingSystems Enum Reference

Public Attributes

- SG TRACKING FLURRY
- SG TRACKING GAN
- SG_TRACKING_MAT
- SG_TRACKING_GAW
- SG_TRACKING_SETI
- SG_TRACKING_EXT

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

/home/jose/Projects/workspace/SpilFramework/src/com/spilgames/framework/tracking/TrackingSystems.java

3.20 com.spilgames.framework.core.server.UrlConstants Class Reference

Static Public Attributes

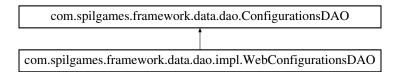
- static final String HOST_DEV_URL = "http://native.spilgames.com"
- static final String HOST_LIVE_URL = "http://native.spilgames.com"
- static final String HOST_STAGE_INTERNAL_URL = "http://native-stg.spilgames.com"
- static final String **HOST_DEV_INERNAL_URL** = "http://nativedev.spilgames.com.ignacio.developers.priv.spillgroup.org"
- static final String CONFIGURATIONS_URL = "/settings/getunified/authtoken/%s/appid/%s/appversion/%s"

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

· /home/jose/Projects/workspace/SpilFramework/src/com/spilgames/framework/core/server/UrlConstants.java

3.21 com.spilgames.framework.data.dao.impl.WebConfigurationsDAO Class Reference

Inheritance diagram for com.spilgames.framework.data.dao.impl.WebConfigurationsDAO:



Public Member Functions

- WebConfigurationsDAO (Configurations configs, ConnectionManager connManager, Crypto crypto)
- Configurations retrieveConfigurations () throws ParseException, IOException, JSONException, NullHost-Exception, CryptoException

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

 /home/jose/Projects/workspace/SpilFramework/src/com/spilgames/framework/data/dao/impl/WebConfigurations-DAO.java

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