



LifeExtender+

Group #16
Technical Documentation

github.com/SE2017/LifeExtenderPlus

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The following is generated JavaDoc code. Only the relevant summaries of classes are shown below. AppCombatPreferenceActivity, bottomSectionFrag, and MapsTab are omitted due to irrelevance (autogenerated code).

Class Summary	
Class	Description
AddingGoals	This class allows for goals to be created.
AppCompatPreferenceActivity	A <code>PreferenceActivity</code> which implements and proxies the necessary calls to be used with AppCompat.
bottomSectionFrag	This class is referenced by all tabs, functioning as the visible tab selector on the bottom of the app.
GoalObjects	This is an object that contains data about Goals.
GoalsTab	This class allows visibility of goals and interacts with AddingGoals class.
HomeTab	This class interacts with Google Calendar API.
IndexObjects	This is an object that contains data about the HealthIndex.
MapsTab	This class interacts with Google Maps API pulling GPS data and
SettingsTab	This class changes applicable settings that has parameters that affects the backend calendar code.
StatsTab	This class displays the HealthIndex while also being responsible for analysis of data.

List of all the relevant classes

Constructor Summary

Constructors

Constructor and Description

`AddingGoals()`

Method Summary

All Methods

Instance Methods

Concrete Methods

Modifier and Type

Method and Description

`void`

`cancel(android.view.View v)`

On clicking the cancel button, return to the Goals Tab without saving any entries

`void`

`confirmGoal(android.view.View v)`

On click, read entries from the user, save them to variables

`protected void`

`onCreate(android.os.Bundle savedInstanceState)`

AddingGoals Summary

```
public class GoalObjects
extends java.lang.Object
```

This is an object that contains data about Goals.

Field Summary

Fields

Modifier and Type	Field and Description
int	c
java.lang.String	n
int	t

Constructor Summary

Constructors

Constructor and Description
GoalObjects(int cur, int tar, java.lang.String nam)

GoalObjects Summary

Constructor Summary

Constructors

Constructor and Description
GoalsTab()

Method Summary

All Methods

Instance Methods

Concrete Methods

Modifier and Type	Method and Description
void	gotoGoals(android.view.View v)
void	gotoHome(android.view.View v)
void	gotoMaps(android.view.View v)
void	gotoSettings(android.view.View v)
void	gotoStats(android.view.View v)
void	makeNewGoal(android.view.View v)
void	onCreate(android.os.Bundle savedInstanceState)

GoalsTab Summary

Field Summary

Fields

Modifier and Type	Field and Description
int	<code>currentHI</code>
int	<code>HITime</code>
int	<code>LITime</code>

Constructor Summary

Constructors

Constructor and Description
<code>IndexObjects(int chi, int lit, int hit)</code>

IndexObjects Summary

Constructor Summary

Constructors

Constructor and Description
<code>SettingsTab()</code>

Method Summary

All Methods

Instance Methods

Concrete Methods

Modifier and Type	Method and Description
void	<code>confirmGoal(android.view.View v)</code> Test method to check Health Index algorithm
void	<code>gotoGoals(android.view.View v)</code>
void	<code>gotoHome(android.view.View v)</code>
void	<code>gotoMaps(android.view.View v)</code>
void	<code>gotoSettings(android.view.View v)</code>
void	<code>gotoStats(android.view.View v)</code>
protected void	<code>onCreate(android.os.Bundle savedInstanceState)</code>

SettingsTab Summary

Constructor Summary

Constructors

Constructor and Description

`StatsTab()`

Method Summary

All Methods

Instance Methods

Concrete Methods

Modifier and Type

Method and Description

protected void

`calculateHI()`

Drafted formula to calculate the Health Index

void

`gotoGoals(android.view.View v)`

void

`gotoHome(android.view.View v)`

void

`gotoMaps(android.view.View v)`

void

`gotoSettings(android.view.View v)`

void

`gotoStats(android.view.View v)`

protected void

`onCreate(android.os.Bundle savedInstanceState)`

On opening the Stats Tab, calculate and display the Health Index

StatsTab Summary