

B4AGridView

Author: Giuseppe Salvi

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Fields:

- **Default As Typeface**
The default NORMAL typeface object.
- **Default_Bold As Typeface**
The default BOLD typeface object.
- **Monospace As Typeface**
The NORMAL style of the default monospace typeface.
- **Sans_Serif As Typeface**
The NORMAL style of the default sans serif typeface.
- **Serif As Typeface**
The NORMAL style of the default serif typeface.
- **Style_Bold As Int**
The default BOLD style int.
- **Style_Bold_Italic As Int**
The default BOLD ITALIC style int.
- **Style_Italic As Int**
The default ITALIC style int.
- **Style_Normal As Int**
The default NORMAL style int.

Methods:

- **LoadFontFromAssets (file As String) As Typeface**
Create a new typeface from the specified font data from assets.
- **LoadFontFromFile (file As String) As Typeface**
Create a new typeface from the specified font data from sdcard.

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Fields:

- **Compress_Format_JPG As CompressFormat**
Compression Format JPG
- **Compress_Format_PNG As CompressFormat**
Compression Format PNG

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Fields:

- **AUTO_FIT As Int**
Creates as many columns as can fit on screen.
- **NO_STRETCH As Int**
Disables stretching.
- **STRETCH_COLUMN_WIDTH As Int**
Stretches the spacing between columns.
- **STRETCH_SPACING As Int**
Stretches columns.
- **STRETCH_SPACING_UNIFORM As Int**
Stretches the spacing between columns.

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Fields:

- **Text_Bottom_Inside As GravityEnum**
Text Bottom InSide
- **Text_Bottom_OutSide As GravityEnum**
Text Bottom OutSide
- **Text_Center_Inside As GravityEnum**
Text Center InSide
- **Text_Top_Inside As GravityEnum**
Text Top InSide
- **Text_Top_OutSide As GravityEnum**
Text Top OutSide

• **Fields:**

- **Center As ScaleType**
Center the image in the view, but perform no scaling.
- **Center_Crop As ScaleType**
Scale the image uniformly (maintain the image's aspect ratio) so that both dimensions (width and height) of the image will be equal to or larger than the corresponding dimension of the view (minus padding).
- **Center_Inside As ScaleType**
Scale the image uniformly (maintain the image's aspect ratio) so that both dimensions (width and height) of the image will be equal to or less than the corresponding dimension of the view (minus padding).
- **Fit_Center As ScaleType**
Scale the image using CENTER.
- **Fit_End As ScaleType**
Scale the image using END.
- **Fit_Start As ScaleType**
Scale the image using START.
- **Fit_XY As ScaleType**
Scale the image using FILL.
- **Matrix As ScaleType**
Scale using the image matrix when drawing.

• **Fields:**

- **CARDS As Int**
CARDS Effect = 2
- **CURL As Int**
CURL Effect = 3
- **FADE As Int**
FADE Effect = 12
- **FAN As Int**
FAN Effect = 9
- **FLIP As Int**
FLIP Effect = 5
- **FLY As Int**
FLY Effect = 6
- **GROW As Int**
GROW Effect = 1

- **HELIX As Int**
HELIX Effect = 8
- **PUZZLE As Int**
PUZZLE Effect = 16
- **REVERSE_FLY As Int**
REVERSE_FLY Effect = 7
- **REVERSE_TWIRL As Int**
REVERSE_TWIRL Effect = 15
- **SLIDE_IN As Int**
SLIDE_IN Effect = 14
- **STANDARD As Int**
Standard Effect = 0
- **TILT As Int**
TILT Effect = 10
- **TWIRL As Int**
TWIRL Effect = 13
- **WAVE As Int**
WAVE Effect = 4
- **ZIPPER As Int**
ZIPPER Effect = 11
- **PhotoGridView**
Events:
 - **ItemClick** (Position **As Int**, Value **As Object**)
 - **ItemLongClick** (Position **As Int**, Value **As Object**)
 - **Ready** (**As**)
 - **ShareItemClick** (Value **As Object**)

Methods:

- **AddImage** (dir **As String**, file **As String**)
Add an image from sdcard or AssetsDir at the end of the GridView
- **AddImageAt** (index **As Int**, dir **As String**, file **As String**)
Add an image from sdcard or AssetsDir to the desired position in the GridView
- **AddImageFromWeb** (address **As String**)
Add an image from web at the end of the GridView
- **AddImageFromWebAt** (index **As Int**, address **As String**)
Add an image from Web to the desired position in the GridView
- **AddThisView**
Adds view to this activity 100%x,100%y
- **BringToFront**
- **ClearDiskCache**
Clears disk cache.
- **ClearMemoryCache**
Clears memory cache
- **DestroyEngine**
Stops ImageLoader and clears current configuration. Use this option on exit app.
- **GetArrayList** **As List**
Gets array.
- **GetCacheDir** **As String**
Returns application cache directory. Cache directory will be created on SD card <i>("/Android/data/[app_package_name]/cache")</i> if card is mounted and app

has appropriate permission. Else -

Android defines cache directory on device's file system.

*Return type: @return:Cache {@link File directory}.
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NOTE: Can be null in some unpredictable cases (if SD card is unmounted)

- **GetImageListFromAssets** (path **As String**, sort **As Boolean**) **As List**

Get entire list of images stored in assets or sub-folder

Examples:

<code>

Dim lv as ListView

Dim l as list

l.Initialize

lv.Initialize("lv")

Sub Menu_Click

Activity.AddView(lv,0,0,100%x,100%y)

l = GridView.GetImageListFromAssets("Here the Images folder stored in Assets")

or

l = GridView.GetImageListFromAssets(File.DirAssets)

or

l = GridView.GetImageListFromAssets("")

For n = 0 To l.Size-1

lv.AddSingleLine(l.Get(n))

next

End Sub

</code>

- **GetIndividualCacheDir** **As String**

Returns individual application cache directory (for only image caching from ImageLoader). Cache directory will be

*created on SD card *<i>("/Android/data/[app_package_name]/cache/b4AGridview-Images")</i>* if card is mounted and app has*

appropriate permission. Else - Android defines cache directory on device's file system.

- **GetItem** (position **As Int**) **As String**

Returns Item

Example:

i.Bitmap=LoadBitmap("",g.GetItem(Position))

- **GetRealImagePath** (filename **As String**) **As String**

Returns the real path of the image

- **GoToWebsite** (url **As String**)

Go to web site by given an address

Example:

GoToWebsite("www.example.com")

url:

- **Initialize** (EventName **As String**)

Initialize the object

- **Initialize2** (EventName **As String**, withCacheName **As String**)

Initialize the object and set own cache directory

- **InitializeFromLayout** (EventName **As String**, container **As ViewGroup**, Layout **As String**, LayoutID **As String**)

Initialize the object from layout

- **PauseEngine**

Pause ImageLoader. All new load and display tasks won't be executed until

ImageLoader is resumed.

Already running tasks are not paused.

- **RequestFocus As Boolean**
 - **ResumeEngine**
Resumes waiting load and display tasks
 - **SendToBack**
 - **SetArrayList** (array **As ArrayList**)
Sets array.
 - **SetText** (text **As String**)
Sets the string value of the TextView.
 - **SetText2** (index **As Int**, text **As String**)
Sets the string value of the TextView.
 - **ShareItemsTo** (appName **As String**, item **As String**, subject **As String**, message **As String**, shareTo **As String**)
Share any items to ?
app: name
item:
subJect:
message:
shareTo:
 - **ShareTextUriTo** (subject **As String**, text **As String**, message **As String**, shareTo **As String**)
Share any text to ?
subject:
text:
message:
shareTo:
 - **ShowActionBarToShare** (icons() **As String**)
Sets the icons on action bar
Example:
Dim icons() As String = Array As
String("gmail.png", "email.png", "gmx.png", "dropbox.png", "facebook.png", "twitter.p
ng", "telegram.png", "line.png")
icons: as array
 - **ShowFromAssets** (path **As String**, sort **As Boolean**)
Populate GridView from assets or assets/sub-folder
 - **ShowFromBucket** (path **As String**, sort **As Boolean**)
Populate GridView from sdcard
 - **ShowFromMediaStore** (sort **As Boolean**)
Populate GridView from media store images
 - **ShowFromSdCard** (dir **As String**, path **As String**, sort **As Boolean**)
Populate GridView from sdcard
 - **ShowFromWeb** (webStrings() **As String**, sort **As Boolean**)
Populate GridView from web
 - **StopEngine**
 Cancels all running and scheduled display image tasks.
NOTE: This method doesn't shutdown if you set them.
- ImageLoader still can be used after calling this method.*
- **TextBackgroundColor** (red **As Int**, green **As Int**, blue **As Int**)
Sets the background color for this view.

*by default red = 0
by default green = 0
by default blue = 0*

- **TextColor2** (alpha **As Int**, red **As Int**, green **As Int**, blue **As Int**)
Get or Sets Text Color - by default White

Permissions:

- android.permission.INTERNET
- android.permission.READ_EXTERNAL_STORAGE
- android.permission.WRITE_EXTERNAL_STORAGE

Properties:

- **Background As Drawable**
- **CacheInMemory As Boolean** *[write only]*
Sets whether loaded image will be cached in memory.
- **CacheOnDisk As Boolean** *[write only]*
Sets whether loaded image will be cached on disk.
- **Color As Int** *[write only]*
- **ColumnWidth As Int**
Get or Sets Specifies the fixed width for each column.
- **CompressFormat As BitmaCompression**
Get or Sets the known formats a bitmap can be compressed into [JPG or PNG]Sets the quality of a bitmap, that can be compressed. [0 = low -> 100 = high] by default PNG
- **CompressQuality As Int**
Get or Sets the quality of a bitmap, that can be compressed. [0 = low -> 100 = high] by default 100
- **DelayBeforeLoading As Int** *[write only]*
Sets delay time before starting loading task. Default - no delay.
- **FadeInTime As Int** *[write only]*
Duration of "fade-in" animation (in milliseconds)
Whether animation should be played if image is loaded from network
Whether animation should be played if image is loaded from disk cache
Whether animation should be played if image is loaded from memory cache
- **Friction As Boolean**
Get or Sets the amount of friction applied to flings.
- **Gravity As Int** *[write only]*
Specifies the gravity within each cell.
- **HorizontalSpacing As Int** *[write only]*
Defines the default horizontal spacing between columns..
- **ItemHeight As Int**
Get or Sets the the size of the images will be displayed in thumbnail by default size is 480x320
- **ItemWidth As Int**
Get or Sets the the size of the images will be displayed in thumbnail by default size is 480x320
- **Length As Int** *[read only]*
Returns length

- **LoadFontFromAssets As String** [write only]
Loads a new Typeface from the specified font data.
- **LoadFontFromFile As String** [write only]
Loads a new Typeface from the specified font data.
- **MaxAnimationVelocity As Int**
Get or Sets max animation velocity.
- **NumColumns As Int**
Get or Sets the number of columns in the grid.
- **PauseOnFling As Boolean** [write only]
Whether pause ImageLoader during fling
- **PauseOnScroll As Boolean** [write only]
Whether pause ImageLoader during touch scrolling
- **ProgressBarIndeterminate As Boolean** [write only]
Change the indeterminate mode for this progress bar.
- **ProgressBarVisible As Boolean** [write only]
Set the enabled state of this view. - by default is trueChange the indeterminate mode for this progress bar.
- **RemoveAt As Int** [write only]
Removes the item at the specified location from this list.
- **ResetViewBeforeLoading As Boolean** [write only]
Sets whether image view will be reset before image loading start
- **RoundedBitmap As Boolean** [write only]
Can display bitmap with rounded corners. - by default is false
- **ScaleType As PhotoScaleTypes**
*Controls how the image should be resized or moved to match the size of this ImageView.
by default ScaleTypeFIT_XY*
- **ScaleTypeForRounded As ScaleType** [write only]
*Controls how the RoundedBitmap should be resized or moved to match the size of this ImageView.
by default ScaleType.FIT_CENTER*
- **Selection As Int**
Get or Sets the currently selected item.
- **SetBorderColor As Int** [write only]
Set the border Color - by default is transparent
- **SetBorderWidth As Int** [write only]
Set the border Width - by default is 0
- **SetCornerRadius As Int** [write only]
Set the corner Radius - by default is 0
- **SetImageOnFail As String** [write only]
Sets own icon on fail
- **SetImageOnLoading As String** [write only]
Sets own icon on loading
- **SetNoEffect As Boolean** [write only]
*Can display bitmap with rounded corners.
Show thumbnails with corner radius or oval. - by default is true*
- **ShouldOnlyAnimateFling As Boolean**
Get or Sets should only animate fling.
- **ShouldOnlyAnimateNewItems As Boolean**
Get or Sets should only animate new item.

- **ShowMessageError As Boolean** [write only]
Set to true if you want to display an error message.
- **SimulateGridWithList As Boolean**
Get or Sets simulate grid with list.
- **SmoothScrollbarEnabled As Boolean** [write only]
When smooth scrollbar is enabled, the position and size of the scrollbar thumb is computed based on the number of visible pixels in the visible items.
- **StretchMode As StretchModeEnum**
Defines how columns should stretch to fill the available empty space, if any.
Examples:
`GridView.StretchMode = GridView.StretchMode.STRETCH_SPACING`
- **Tag As Object**
Get or Sets this view's tag.
- **TextBackgroundAlpha As Int**
Get or Sets alpha property of the view, as a value between 0 (completely transparent) and 255 (completely opaque).
by default alpha = 0
- **TextBackgroundColor2 As String** [write only]
Sets the background color for this view.
Example:
`TextBackgroundColor2("#88666666")`
- **TextColor As Int**
Get or Sets Text Color - by default White
- **TextGravity As Int**
Get or Sets the horizontal alignment of the text that will be used.
- **TextLines As Int**
Get or Sets the TextView exactly this many lines tall.
- **TextPosition As TextPositionEnum**
Get or Sets the position alignment of the text that will be used.
param Text_Top_OutSide
param Text_Top_Inside
param Text_Center_Inside
param Text_Bottom_Inside
- **TextSize As Int**
Get or Sets Text Size - by default 14
- **TextStyle As Int** [write only]
Sets the style in which the text should be displayed.
- **TextTypeFace As TypefaceUtils**
Get or Sets the typeface and style in which the text should be displayed.
Note that not all Typeface families actually have bold and italic variants, so you may need to use TextStyle(style) to get the appearance that you actually want.
- **TextVisible As Boolean**
Get or Sets the visibility of the text - by default is hide
- **TransitionDuration As Int**
Get or Sets transition duration.
- **TransitionEffect As TransitionEffect**
Get or Sets the desired transition effect.
- **Version As String** [read only]
Version of the library
- **VerticalSpacing As Int** [write only]
Defines the default vertical spacing between rows.