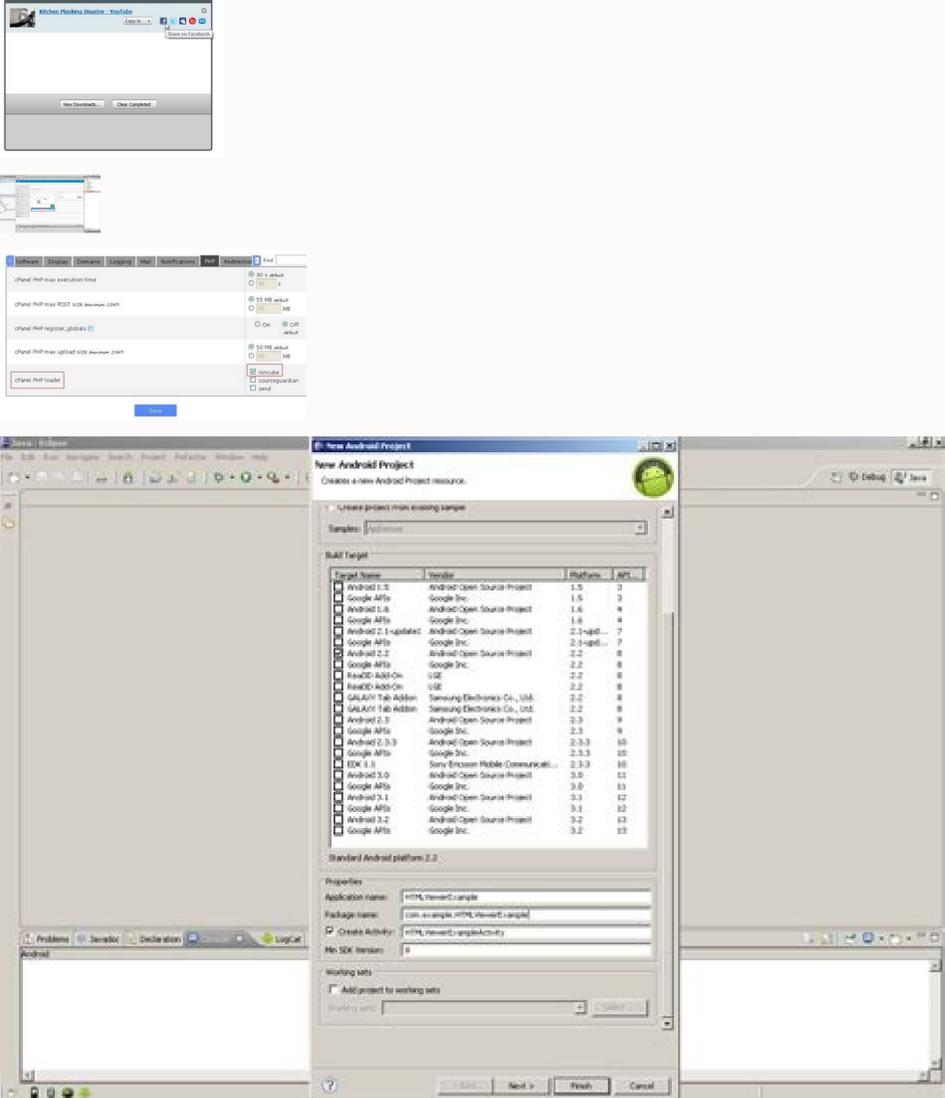


Continue



Android_asset www index.html error. Android_asset/index.html. File //android_asset/www/index.html. File //android_asset www index.html solution.

A View that displays web pages. In most cases, we recommend using a standard web browser, like Chrome, to deliver content to the user. To learn more about web browsers, read the guide on invoking a browser with an intent. WebView objects allow you to display web content as part of your activity layout, but lack some of the features of fully-developed browsers. A WebView is useful when you need increased control over the UI and advanced configuration options that will allow you to embed web pages in a specially-designed environment for your app. To learn more about WebView and alternatives for serving web content, read the documentation on Web-based content, interface WebView.FindListener interface to listen for find results. class WebView.HitTestResult interface WebView.PictureListener This interface was deprecated in API level 12. This interface is now obsolete. class WebView.VisualStateCallback Callback interface supplied to WebView.postVisualStateCallback(long, WebView.VisualStateCallback) for receiving notifications about the visual state. class WebView.WebViewTransport Transportation object for returning WebView across thread boundaries. From class android.view.View android:accessibilityHeading Whether or not this view is a heading for accessibility purposes. android:accessibilityLiveRegion Indicates to accessibility services whether the user should be notified when this view changes. android:accessibilityPaneTitle The title this view should present to accessibility as a pane title. android:accessibilityTraversableBefore Sets the id of a view before which this one is visited in accessibility traversal. android:allowClickWhenDisabled Whether or not to allow clicks on disabled view. android:alpha alpha property of the view, as a value between 0 (completely transparent) and 1 (completely opaque). android:autoFocus Whether or not the auto handwriting initiation is enabled in this View. android:autoFillHints Describes the content of a view so that a autofill service can fill in the appropriate data. android:autoFillHighlight Drawable to be drawn over the view to mark it as autofilled May be a reference to another resource, in the form "@+id/package/typename" or a theme attribute in the form "{package}/typename". android:background A Drawable to use as the background. android:backgroundTint Tint to apply to the background. android:backgroundTintMode Blending mode used to apply the background tint. android:clickable Defines whether this view reacts to click events. android:clipToOutline Whether the View's Outline should be used to clip the contents of the View. android:contentDescription Defines text that briefly describes content of the view. android:contextClickable Defines whether this view reacts to context click events. android:defaultFocusHighlightEnabled Whether this view should use a default focus highlight when it gets focused but doesn't have R.attr.state defined in its background. android:drawingCacheQuality Defines the quality of translucent drawing caches. android:duplicateParentState When this attribute is set to true, the view gets its drawable state (focused, pressed, etc.) from its direct parent rather than from itself. android:elevation Base z depth of the view. android:fadeScrollbars Defines whether to fade out scrollbars when they are not in use. android:fadingEdgeLength Defines the length of the fading edges. android:filterTouchesWhenObscured Specifies whether to filter touches when the view's window is obscured by another visible window. android:fitsSystemWindows Boolean internal attribute to adjust view layout based on system windows such as the status bar. android:focusable Controls whether a view can take focus. android:focusableInTouchMode Boolean that controls whether a view can take focus while in touch mode. android:focusedByDefault Whether this view is a default-focus view. android:forceHasOverlappingRendering Whether this view has elements that may overlap when drawn. android:foreground Defines the drawable to draw over the content. android:foregroundGravity Defines the gravity to apply to the foreground drawable. android:foregroundTint Tint to apply to the foreground. android:foregroundTintMode Blending mode used to apply the foreground tint. android:hapticFeedbackEnabled Boolean that controls whether a view should have haptic feedback enabled for events such as long presses. android:id Supply an identifier name for this view, to later retrieve it with View.findViewById() or Activity.findViewById(). android:importantForAccessibility Describes whether or not this view is important for accessibility. android:importantForAutofill Hints the Android System whether the view node associated with this View should be used for autofill purposes. android:importantForContentCapture Hints the Android System whether the view node associated with this View should be used for content capture purposes. android:isScrollContainer Set this if the view will serve as a scrolling container, meaning that it can be resized to shrink its overall window so that there will be space for an input method. android:keepScreenOn Controls whether the view's window should keep the screen on while visible. android:keyboardNavigationCluster Whether this view is a root of a keyboard navigation cluster. android:layerType Specifies the type of layer backing this view. android:layoutDirection Defines the direction of layout drawing. android:longClickable Defines whether this view reacts to long click events. android:minHeight Defines the minimum height of the view. android:minWidth Defines the minimum width of the view. android:nextClusterForward Defines the next keyboard navigation cluster. android:nextFocusDown Defines the next view to give focus to when the next focus is View.FOCUS_DOWN If the reference refers to a view that does not exist or is part of a hierarchy that is invisible, a RuntimeException will result when the reference is accessed. android:nextFocusLeft Defines the next view to give focus to when the next focus is View.FOCUS_LEFT. android:nextFocusRight Defines the next view to give focus to when the next focus is View.FOCUS_RIGHT If the reference refers to a view that does not exist or is part of a hierarchy that is invisible, a RuntimeException will result when the reference is accessed. android:nextFocusUp Defines the next view to give focus to when the next focus is View.FOCUS_UP If the reference refers to a view that does not exist or is part of a hierarchy that is invisible, a RuntimeException will result when the reference is accessed. android:onClick Name of the method in this View's context to invoke when the view is clicked. android:outlineAmbientShadowColor Sets the color of the ambient shadow that is drawn when the view has a positive Z or elevation value. android:outlineSpotShadowColor Sets the color of the spot shadow that is drawn when the view has a positive Z or elevation value. android:padding Sets the padding, in pixels, of all four edges. android:paddingBottom Sets the padding, in pixels, of the bottom edge; see R.attr.padding. android:paddingEnd Sets the padding, in pixels, of the end edge; see R.attr.padding. android:paddingHorizontal Sets the padding, in pixels, of the left and right edges; see R.attr.padding. android:paddingLeft Sets the padding, in pixels, of the left edge; see R.attr.padding. android:paddingRight Sets the padding, in pixels, of the right edge; see R.attr.padding. android:paddingStart Sets the padding, in pixels, of the start edge; see R.attr.padding. android:paddingTop Sets the padding, in pixels, of the top edge; see R.attr.padding. android:paddingVertical Sets the padding, in pixels, of the top and bottom edges; see R.attr.padding. android:preferClearScrollbars A preference to keep the bounds of this view clear from floating windows above this view's window. android:requiresFadingEdge Defines which edges should be faded on scrolling. android:rotation rotation of the view, in degrees. android:rotationX rotation of the view around the x axis, in degrees. android:rotationY rotation of the view around the y axis, in degrees. android:saveEnabled If false, no state will be saved for this view when it is being frozen. android:scaleX scale of the view in the x direction. android:scaleY scale of the view in the y direction. android:scrollable Whether this view should be treated as a focusable unit by screen reader accessibility tools. android:scrollIndicators Defines scroll indicators should be displayed when the view can be scrolled. android:scrollX The initial horizontal scroll offset, in pixels. android:scrollY The initial vertical scroll offset, in pixels. android:scrollbarAlwaysDrawVerticalTrack Defines whether the vertical scrollbar track should always be drawn. android:scrollbarDefaultDelayBeforeFade Defines the delay in milliseconds that a scrollbar waits before fade out. android:scrollbarFadeDuration Defines the delay in milliseconds that a scrollbar takes to fade out. android:scrollbarSize Sets the width of vertical scrollbars and height of horizontal scrollbars. android:scrollbarStyle Controls the scrollbar style. android:scrollbarThumbDrawable Defines the horizontal scrollbar thumb drawable. android:scrollbarThumbVerticalDrawable Defines the vertical scrollbar thumb drawable. android:scrollbarTrackDrawable Defines the horizontal scrollbar track drawable. android:scrollbarTrackVerticalDrawable Defines the vertical scrollbar track drawable. android:scrollbars Defines which scrollbars should be displayed on scrolling or not. android:soundEffectsEnabled Boolean that controls whether a view should have sound effects enabled for events such as clicking and touching. android:stateListAnimator Sets the state-based animator for the View. android:tag Supply a tag for this view containing a String, to be retrieved later with View.getTag() or searched for with View.findViewById(). android:textAlignment Defines the alignment of the text. android:textDirection Defines the direction of the text. android:theme Specifies a theme override for a view. android:tooltipText Defines text displayed in a small pop-up window on hover or long press. android:transformPivotX Location of the pivot point around which the view will rotate and scale. android:transformPivotY Location of the pivot point around which the view will rotate and scale. android:transitionName Names a View such that it can be identified for Transitions. android:translationX translation in x of the view. android:translationY translation in y of the view. android:visibility Controls the initial visibility of the view. From class android.view.ViewGroup int CLIP_TO_PADDING MASK We clip to CLIP_TO_PADDING and FLAG_PADDING NOT_NULL are set at the same time. int FOCUS_AFTER_DESCENDANTS This view will get focus only if none of its descendants want it. int FOCUS_BEFORE_DESCENDANTS This view will get focus before any of its descendants. int FOCUS_BLOCK_DESCENDANTS This view will block any of its descendants from getting focus, even if they are focusable. int LAYOUT_MODE_CLIP_BOUNDS This constant is a layoutMode. int LAYOUT_MODE_OPTICAL_BOUNDS This constant is a layoutMode. int PERSISTENT_ALL_CACHES This constant was deprecated in API level 28. The view drawing cache was largely made obsolete with the introduction of hardware-accelerated rendering in API 11. With hardware-acceleration, intermediate cache layers are largely unnecessary and can easily result in a net loss in performance due to the cost of creating and updating the layer. In the rare cases where caching layers are useful, such as for alpha animations, View.setLayerType(int, android.graphics.Paint) handles this with hardware rendering. For software-rendered snapshots of a small part of the View hierarchy or individual Views it is recommended to create a Canvas from either a Bitmap or Picture and call View.draw(android.graphics.Canvas) on the View. However these software-rendered usages are discouraged and have compatibility issues with hardware-only rendering features such as Config.HARDWARE bitmaps, real-time shadows, and outline clipping. For screenshots of the UI for feedback reports or unit testing the PixelCopy API is recommended. int PERSISTENT_ANIMATION_CACHE This constant was deprecated in API level 28. The view drawing cache was largely made obsolete with the introduction of hardware-accelerated rendering in API 11. With hardware-acceleration, intermediate cache layers are largely unnecessary and can easily result in a net loss in performance due to the cost of creating and updating the layer. In the rare cases where caching layers are useful, such as for alpha animations, View.setLayerType(int, android.graphics.Paint) handles this with hardware rendering. For software-rendered snapshots of a small part of the View hierarchy or individual Views it is recommended to create a Canvas from either a Bitmap or Picture and call View.draw(android.graphics.Canvas) on the View. However these software-rendered usages are discouraged and have compatibility issues with hardware-only rendering features such as Config.HARDWARE bitmaps, real-time shadows, and outline clipping. For screenshots of the UI for feedback reports or unit testing the PixelCopy API is recommended. int PERSISTENT_SCROLLING_CACHE This constant was deprecated in API level 28. The view drawing cache was largely made obsolete with the introduction of hardware-accelerated rendering in API 11. With hardware-acceleration, intermediate cache layers are largely unnecessary and can easily result in a net loss in performance due to the cost of creating and updating the layer. In the rare cases where caching layers are useful, such as for alpha animations, View.setLayerType(int, android.graphics.Paint) handles this with hardware rendering. For software-rendered snapshots of a small part of the View hierarchy or individual Views it is recommended to create a Canvas from either a Bitmap or Picture and call View.draw(android.graphics.Canvas) on the View. However these software-rendered usages are discouraged and have compatibility issues with hardware-only rendering features such as Config.HARDWARE bitmaps, real-time shadows, and outline clipping. For screenshots of the UI for feedback reports or unit testing the PixelCopy API is recommended. int DRAWING_CACHE_QUALITY_AUTO This constant was deprecated in API level 28. The view drawing cache was largely made obsolete with the introduction of hardware-accelerated rendering in API 11. With hardware-acceleration, intermediate cache layers are largely unnecessary and can easily result in a net loss in performance due to the cost of creating and updating the layer. In the rare cases where caching layers are useful, such as for alpha animations, setLayerType(int, android.graphics.Paint) handles this with hardware rendering. For software-rendered snapshots of a small part of the View hierarchy or individual Views it is recommended to create a Canvas from either a Bitmap or Picture and call View.draw(android.graphics.Canvas) on the View. However these software-rendered usages are discouraged and have compatibility issues with hardware-only rendering features such as Config.HARDWARE bitmaps, real-time shadows, and outline clipping. For screenshots of the UI for feedback reports or unit testing the PixelCopy API is recommended. int DRAWING_CACHE_QUALITY_HIGH This constant was deprecated in API level 28. The view drawing cache was largely made obsolete with the introduction of hardware-accelerated rendering in API 11. With hardware-acceleration, intermediate cache layers are largely unnecessary and can easily result in a net loss in performance due to the cost of creating and updating the layer. In the rare cases where caching layers are useful, such as for alpha animations, setLayerType(int, android.graphics.Paint) handles this with hardware rendering. For software-rendered snapshots of a small part of the View hierarchy or individual Views it is recommended to create a Canvas from either a Bitmap or Picture and call View.draw(android.graphics.Canvas) on the View. However these software-rendered usages are discouraged and have compatibility issues with hardware-only rendering features such as Config.HARDWARE bitmaps, real-time shadows, and outline clipping. For screenshots of the UI for feedback reports or unit testing the PixelCopy API is recommended. int DRAWING_CACHE_QUALITY_LOW This constant was deprecated in API level 28. The view drawing cache was largely made obsolete with the introduction of hardware-accelerated rendering in API 11. With hardware-acceleration, intermediate cache layers are largely unnecessary and can easily result in a net loss in performance due to the cost of creating and updating the layer. In the rare cases where caching layers are useful, such as for alpha animations, setLayerType(int, android.graphics.Paint) handles this with hardware rendering. For software-rendered snapshots of a small part of the View hierarchy or individual Views it is recommended to create a Canvas from either a Bitmap or Picture and call View.draw(android.graphics.Canvas) on the View. However these software-rendered usages are discouraged and have compatibility issues with hardware-only rendering features such as Config.HARDWARE bitmaps, real-time shadows, and outline clipping. For screenshots of the UI for feedback reports or unit testing the PixelCopy API is recommended. int FIND_VIEWS_WITH_CONTENT_DESCRIPTION Find find views that contain the specified content description. int FIND_VIEWS_WITH_TEXT Find find views that contain the specified text. int FOCUSABLE This view wants keystrokes. int FOCUSABLES_ALL View flag indicating whether addFocusables(java.util.ArrayList, int, int) should add all FOCUSABLE Views regardless if they are focusable in touch mode. int FOCUSABLES_TOUCH_MODE View flag indicating whether addFocusables(java.util.ArrayList, int, int) should add only Views focusable in touch mode. int FOCUSABLE_AUTO This view determines focusability automatically. int FOCUS_BACKWARD Use with focusSearch(int). int FOCUS_FORWARD Use with focusSearch(int). int FOCUS_LEFT Use with focusSearch(int). int FOCUS_RIGHT Use with focusSearch(int). int FOCUS_UP Use with focusSearch(int). int GONE This view is invisible, and it doesn't take any space for layout purposes. int HAPTIC_FEEDBACK_ENABLED View flag indicating whether this view should have haptic feedback enabled for events such as long presses. int IMPORTANT_FOR_ACCESSIBILITY_AUTO Automatically determine whether a view is important for accessibility. int IMPORTANT_FOR_ACCESSIBILITY_NO_HIDE_DESCENDANTS The view is not important for accessibility, nor are any of its descendant views. int IMPORTANT_FOR_ACCESSIBILITY_YES The view is important for accessibility. int IMPORTANT_FOR_AUTOFILL_AUTO Automatically determine whether a view is important for autofill. int IMPORTANT_FOR_AUTOFILL_NO The view is not important for autofill, but its children (if any) will be traversed. int IMPORTANT_FOR_AUTOFILL_NO_EXCLUDE_DESCENDANTS The view is not important for autofill, and its children (if any) will not be traversed. int IMPORTANT_FOR_AUTOFILL_YES The view is important for autofill, and its children (if any) will be traversed. int IMPORTANT_FOR_AUTOFILL_YES_EXCLUDE_DESCENDANTS The view is important for autofill, but its children (if any) will not be traversed. int LAYER_TYPE_HARDWARE Indicates that the view has a hardware layer. int LAYER_TYPE_NONE Indicates that the view does not have a layer. int LAYER_TYPE_SOFTWARE Indicates that the view has a software layer. int LAYOUT_DIRECTION_HORIZONTAL Horizontal layout direction of this view is inherited from its parent. int LAYOUT_DIRECTION_INHERIT Horizontal layout direction of this view is inherited from its parent. int LAYOUT_DIRECTION_LOCALE Horizontal layout direction of this view is deduced from the default language script for the locale. int LAYOUT_DIRECTION_LTR Horizontal layout direction of this view is from Left to Right. int LAYOUT_DIRECTION_RTL Horizontal layout direction of this view is from Right to Left. int MEASURED_HEIGHT_STATE_MASK To get to the height bits for functions that combine both width and height into a single int, such as getMeasuredState() and the childState argument of resolveSizeAndState(int, int, int). int MEASURED_SIZE_MASK Bits of getMeasuredWidthAndState() and getMeasuredWidthAndState() that provide the actual measured size. int MEASURED_STATE_TOO_SMALL Bit of getMeasuredWidthAndState() and getMeasuredWidthAndState() that indicates the measured size is smaller than the space the view would like to have. int NOT_FOCUSABLE This view does not want keystrokes. int NO_ID Used to mark a View that has no ID. int OVER_SCROLL_ALWAYS Always allow a user to over-scroll this view, provided it is a view that can scroll. int OVER_SCROLL_IF_CONTENT_SCROLLS Allow a user to over-scroll this view only if the content is large enough to meaningfully scroll, provided it is a view that can scroll. int OVER_SCROLL_NEVER Never allow a user to over-scroll this view. int SCREEN_STATE_OFF Indicates that the screen has changed state and is now off. int SCREEN_STATE_ON Indicates that the screen has changed state and is now on. int SCROLLBARS_INSIDE_INSET The scrollbar style to display the scrollbars inside the padded area, increasing the padding of the view. int SCROLLBARS_INSIDE_OVERLAY The scrollbar style to display the scrollbars inside the content area, without increasing the padding. int SCROLLBARS_OUTSIDE_INSET The scrollbar style to display the scrollbars at the edge of the view, increasing the padding of the view. int SCROLLBARS_OUTSIDE_OVERLAY The scrollbar style to display the scrollbars at the edge of the view, without increasing the padding. int SCROLLBAR_POSITION_DEFAULT Position the scroll bar at the default position as determined by the system. int SCROLLBAR_POSITION_LEFT Position the scroll bar along the left edge. int SCROLLBAR_POSITION_RIGHT Position the scroll bar along the right edge. int SCROLL_AXIS_HORIZONTAL Indicates scrolling along the horizontal axis. int SCROLL_AXIS_NONE Indicates no axis of view scrolling. int SCROLL_AXIS_VERTICAL Indicates scrolling along the vertical axis. int SCROLL_CAPTURE_HINT_AUTO The content of this view will be considered for scroll capture if scrolling is possible. int SCROLL_CAPTURE_HINT_EXCLUDE Explicitly exclude this view as a potential scroll capture target. int SCROLL_CAPTURE_HINT_INCLUDE Explicitly include this view as a potential scroll capture target. int SCROLL_INDICATOR_BOTTOM Scroll indicator direction for the bottom edge of the view. int SCROLL_INDICATOR_END Scroll indicator direction for the ending edge of the view. int SCROLL_INDICATOR_LEFT Scroll indicator direction for the left edge of the view. int SCROLL_INDICATOR_RIGHT Scroll indicator direction for the right edge of the view. int SCROLL_INDICATOR_START Scroll indicator direction for the starting edge of the view. int SCROLL_INDICATOR_TOP Scroll indicator direction for the top edge of the view. int SOUND_EFFECTS_ENABLED View flag indicating whether this view should have sound effects enabled for events such as clicking and touching. int STATUS_BAR_HIDDEN This constant was deprecated in API level 15. Use SYSTEM_UI_FLAG_LOW_PROFILE instead. int STATUS_BAR_VISIBLE This constant was deprecated in API level 15. Use SYSTEM_UI_FLAG_VISIBLE instead. int SYSTEM_UI_FLAG_FULLSCREEN This constant was deprecated in API level 30. Use WindowInsetsController#hide(int) with Type#statusBars() instead. int SYSTEM_UI_FLAG_HIDE_NAVIGATION This constant was deprecated in API level 30. Use WindowInsetsController#setHideNavigationBehavior(DEFAULT) instead. int SYSTEM_UI_FLAG_IMMERSIVE This constant was deprecated in API level 30. Use WindowInsetsController#setHideNavigationBehavior(DEFAULT) instead. int SYSTEM_UI_FLAG_IMMERSIVE_STICKY This constant was deprecated in API level 30. Use WindowInsetsController#setHideNavigationBehavior(DEFAULT) instead. int SYSTEM_UI_FLAG_LAYOUT_FULLSCREEN This constant was deprecated in API level 30. For floating windows, use LayoutParams#setFitInsetsTypes(int) with Type#statusBars(). For non-floating windows

"url" as key. The result can be null.
WebViewForwardList restoreState (Bundle savedInstanceState) Restores the state of this WebView from the given Bundle. This method is used in Activity.onRestoreInstanceState() and should be called to restore the state of this WebView. If it is called after the WebView has had a chance to build state (load pages, create a back/forward list, etc.) there may be undesirable side-effects. Please note that this method no longer restores the display data for this WebView.
Parameters
inState Bundle: the incoming Bundle of state This value cannot be null.
public void resumeTimers () Resumes all layout, parsing, and JavaScript timers for all WebViews. This will resume dispatching all timers.
Added in API level 1
Deprecated in API level 18
public void savePassword (String host, String username, String password) This method was deprecated in API level 18. Saving passwords in WebView will not be supported in future versions. Sets a username and password pair for the specified host. This data is used by the WebView to autocomplete username and password fields in web forms. Note that this is unrelated to the credentials used for HTTP authentication.
Parameters
host String: the host that required the credentials
username String: the username for the given host
password String: the password for the given host
public void saveWebArchive (String filename) Saves the current view as a web archive.
Parameters
filename String: the filename where the archive should be placed This value cannot be null.
public void saveWebArchive (String basename, boolean autoname, ValueCallback callback) Saves the current view as a web archive.
Parameters
basename String: the filename where the archive should be placed This value cannot be null.
autoname boolean: if false, takes basename to be a file. If true, basename is assumed to be a directory in which a filename will be chosen according to the URL of the current page.
callback ValueCallback: called after the web archive has been saved.
the parameter for onReceiveValue will either be the filename under which the file was saved, or null if saving the file failed.
public void setBackgroundColor (int color) Sets the background color for this view.
Parameters
color int: the color of the background
Added in API level 1
Deprecated in API level 17
public void setCertificate (SslCertificate certificate) This method was deprecated in API level 17. Calling this function has no useful effect, and will be ignored in future releases.
Sets the SSL certificate for the main top-level page.
Parameters
certificate public static void setDataDirectorySuffix (String suffix) Define the directory used to store WebView data for the current process. The provided suffix will be used when constructing data and cache directory paths. If this API is not called, no suffix will be used.
Each directory can be used by only one process in the application. If more than one process in an app wishes to use WebView, only one process can use the default directory, and other processes must call this API to define a unique suffix. This means that different processes in the same application cannot directly share WebView-related data, since the data directories must be distinct.
Applications that use this API may have to explicitly pass data between processes. For example, login cookies may have to be copied from one process's cookie jar to the other using CookieManager if both processes' WebViews are intended to be logged in.
Most applications should simply ensure that all components of the app that rely on WebView are in the same process, to avoid needing multiple data directories.
The disableWebView() method can be used to ensure that the other processes do not use WebView by accident in this case.
This API must be called before any instances of WebView are created in this process and before any other methods in the android.webkit package are called by this process.
Parameters
suffix String: The directory name suffix to be used for the current process. Must not contain a path separator. This value cannot be null.
public void setDownloadListener (DownloadListener listener) Registers the interface to be used when content can not be handled by the rendering engine, and should be downloaded instead. This will replace the current handler.
Parameters
listener DownloadListener: an implementation of DownloadListener This value may be null.
public void setFindListener (WebView.FindListener listener) Registers the listener to be notified as find-on-page operations progress. This will replace the current listener.
Parameters
listener WebView.FindListener: an implementation of FindListener This value may be null.
Added in API level 1
Deprecated in API level 23
public void setHorizontalScrollbarOverlay (boolean overlay) This method was deprecated in API level 23. This method has no effect. Specifies whether the horizontal scrollbar has overlay style.
Parameters
overlay boolean: true if horizontal scrollbar should have overlay style
Added in API level 1
Deprecated in API level 26
public void setHttpAuthUsernamePassword (String host, String realm, String username, String password) This method was deprecated in API level 26. Use WebViewDatabase#setHttpAuthUsernamePassword instead
Stores HTTP authentication credentials for a given host and realm to the WebViewDatabase instance.
Parameters
host String: the host to which the credentials apply
realm String: the realm to which the credentials apply
username String: the username
password String: the password
public void setInitialScale (int scaleInPercent) Sets the initial scale for this WebView. 0 means default. The behavior for the default scale depends on the state of WebSettings#getUseWideViewPort() and WebSettings#getLoadWithOverviewMode(). If the content fits into the WebView control by width, then the zoom is set to 100%. For wide content, the behavior depends on the state of WebSettings#getLoadWithOverviewMode(). If its value is true, the content will be zoomed out to be fit by width into the WebView control, otherwise not. If initial scale is greater than 0, WebView starts with this value as initial scale. Please note that unlike the scale properties in the viewport meta tag, this method doesn't take the screen density into account.
Parameters
scaleInPercent int: the initial scale in percent
public void setLayoutParams (ViewGroup.LayoutParams params) Set the layout parameters associated with this view. These supply parameters to the parent of this view specifying how it should be arranged. There are many subclasses of ViewGroup.LayoutParams, and these correspond to the different subclasses of ViewGroup that are responsible for arranging their children.
Parameters
params ViewGroup.LayoutParams: The layout parameters for this view. cannot be null
Added in API level 1
Deprecated in API level 17
public void setMapTrackballToArrowKeys (boolean setMap) This method was deprecated in API level 17. Only the default case, true, will be supported in a future version.
Parameters
setMap boolean
public void setNetworkAvailable (boolean networkUp) Informs WebView of the network state. This is used to set the JavaScript property window.navigator.isOnline and generates the online/offline event as specified in HTML5, sec. 5.7.7
Parameters
networkUp boolean: a boolean indicating if network is available
public void setOverScrollMode (int mode) Set the over-scroll mode for this view. Valid over-scroll modes are OVER_SCROLL_ALWAYS, OVER_SCROLL_IF_CONTENT_SCROLLS (allow over-scrolling only if the view content is larger than the container), or OVER_SCROLL_NEVER. Setting the over-scroll mode of a view will have an effect only if the view is capable of scrolling.
Parameters
mode int: The new over-scroll mode for this view.
Added in API level 1
Deprecated in API level 15
public void setPictureListener (WebView.PictureListener listener) This method was deprecated in API level 15. This method is now obsolete. Sets the Picture listener. This is an interface used to receive notifications of a new Picture.
Parameters
listener WebView.PictureListener: an implementation of WebView.PictureListener
public void setRenderPriorityPolicy (int renderPriorityPolicy, boolean waivedWhenNotVisible) Set the renderer priority policy for this WebView. The priority policy will be used to determine whether an out of process renderer should be considered to be a target for OOM killing. Because a renderer can be associated with more than one WebView, the final priority is computed as the maximum of any attached WebViews. When a WebView is destroyed it will cease to be considered when calculating the renderer priority. Once no WebViews remain associated with the renderer, the priority of the renderer will be reduced to RENDERER_PRIORITY_WAIVED. The default policy is to set the priority to RENDERER_PRIORITY_IMPORTANT regardless of visibility, and this should not be changed unless the caller also handles renderer crashes with WebViewClient#onRenderProcessGone. Any other setting will result in WebView renderers being killed by the system more aggressively than the application.
public static void setSafeBrowsingWhitelist (List hosts, ValueCallback callback) Sets the list of hosts (domain names/IP addresses) that are exempt from SafeBrowsing checks. The list is global for all the WebViews. Each rule should take one of these: Rule Example Matches Subdomain HOSTNAME example.com Yes .HOSTNAME. example.com No IPV4 LITERAL 192.168.1.1 No IPV6 LITERAL_WITH_BRACKETS [10:20:30:40:50:60:70:80]No All other rules, including wildcards, are invalid. The correct syntax for hosts is defined by RFC 3986.
Parameters
hosts List: the list of hosts This value cannot be null.
callback ValueCallback: will be called with true if hosts are successfully added to the allowlist. It will be called with false if any hosts are malformed. The callback will be run on the UI thread
This value may be null.
public void setScrollbarStyle (int style) Specify the style of the scrollbars. The scrollbars can be overlaid or inset. When inset, they add to the padding of the view. And the scrollbars can be drawn inside the padding area or on the edge of the view. For example, if a view has a background drawable and you want to draw the scrollbars inside the padding specified by the drawable, you can use SCROLLBARS_INSIDE_OVERLAY or SCROLLBARS_INSIDE_INSET. If you want them to appear at the edge of the view, ignoring the padding, then you can use SCROLLBARS_OUTSIDE_OVERLAY or SCROLLBARS_OUTSIDE_INSET.
Added in API level 1
Deprecated in API level 23
public void setVerticalScrollbarOverlay (boolean overlay) This method was deprecated in API level 23. This method has no effect. Specifies whether the vertical scrollbar has overlay style.
Parameters
overlay boolean: true if vertical scrollbar should have overlay style
public void setWebChromeClient (WebChromeClient client) Sets the chrome handler. This is an implementation of WebChromeClient for use in handling JavaScript dialogs, favicons, titles, and the progress. This will replace the current handler.
Parameters
client WebChromeClient: an implementation of WebChromeClient This value may be null. See also: public static void setWebContentsDebuggingEnabled (boolean enabled) Enables debugging of web contents (HTML / CSS / JavaScript) loaded into any WebViews of this application. This flag can be enabled in order to facilitate debugging of web layouts and JavaScript code running inside WebViews. Please refer to WebView documentation for the debugging guide. The default is false.
Parameters
enabled boolean: whether to enable web contents debugging
public void setWebViewClient (WebViewClient client) Sets the WebViewClient that will receive various notifications and requests. This will replace the current handler.
Parameters
client WebViewClient: an implementation of WebViewClient This value cannot be null. See also: public void setWebViewRenderProcessClient (Executor executor, WebViewRenderProcessClient webViewRenderProcessClient) Sets the renderer client object associated with this WebView. The renderer client encapsulates callbacks relevant to WebViewRenderProcessClient for details. Although many WebView instances may share a single underlying renderer, and renderers may live either in the application process, or in a sandboxed process that is isolated from the application process, instances of WebViewRenderProcessClient are set per-WebView. Callbacks represent renderer events from the perspective of this WebView, and may or may not be correlated with renderer events affecting other WebViews.
Parameters
executor Executor: the Executor on which WebViewRenderProcessClient callbacks will execute. This value cannot be null.
Callback and listener events are dispatched through this Executor, providing an easy way to control which thread is used. To dispatch events through the main thread of your application, you can use Context.getMainExecutor(). Otherwise, provide an Executor that dispatches to an appropriate thread.
webViewRenderProcessClient the WebViewRenderProcessClient object. This value cannot be null.
public boolean shouldDelayChildPressedState () Return true if the pressed state should be delayed for children or descendants of this ViewGroup. Generally, this should be done for containers that can scroll, such as a List. This prevents the pressed state from appearing when the user is actually trying to scroll the content. The default implementation returns true for compatibility reasons. Subclasses that do not scroll should generally override this method and return false.
Added in API level 11
Deprecated in API level 18
public boolean showFindDialog (String text, boolean showIme) This method was deprecated in API level 18. This method does not work reliably on all Android versions; implementing a custom find dialog using WebView.findAllAsync() provides a more robust solution. Starts an ActionMode for finding text in this WebView. Only works if this WebView is attached to the view system.
Parameters
text String: if non-null, will be the initial text to search for. Otherwise, the last String searched for in this WebView will be used to start.
showIme boolean: if true, show the IME, assuming the user will begin typing. If false and not perform a find all. Returns boolean true if the find dialog is shown, false otherwise
public static void startSafeBrowsing (Context context, ValueCallback callback) Starts Safe Browsing initialization. URL loads are not guaranteed to be protected by Safe Browsing until after callback is invoked with true. Safe Browsing is not fully supported on all devices. For those devices callback will receive false. This should not be called if Safe Browsing has been disabled by manifest tag or WebSettings.setSafeBrowsingEnabled(boolean). This prepares resources used for Safe Browsing. This should be called with the Application Context (and will always use the Application context to do its work regardless).
Parameters
context Context: Application Context. This value cannot be null.
callback ValueCallback: will be called on the UI thread with true if initialization is successful, false otherwise. This value may be null.
public void stopLoading () Stops the current load.
public void zoomBy (float zoomFactor) Performs a zoom operation in this WebView.
Parameters
zoomFactor float: the zoom factor to apply. The zoom factor will be clamped to the WebView's zoom limits. This value must be in the range 0.01 to 100.0 inclusive.
public boolean zoomIn () Performs zoom in in this WebView. Returns boolean true if zoom in succeeds, false if no zoom changes public boolean zoomOut () Performs zoom out in this WebView. Returns boolean true if zoom out succeeds, false if no zoom changes
protected int computeHorizontalScrollOffset () Compute the horizontal offset of the horizontal scrollbar's thumb within the horizontal range. This value is used to compute the position of the thumb within the scrollbar's track. The range is expressed in arbitrary units that must be the same as the units used by computeHorizontalScrollRange() and computeHorizontalScrollExtent(). The default offset is the scroll offset of this view. Returns int the horizontal offset of the scrollbar's thumb
protected int computeHorizontalScrollRange () Compute the horizontal range that the horizontal scrollbar represents. The range is expressed in arbitrary units that must be the same as the units used by computeHorizontalScrollExtent() and computeHorizontalScrollOffset(). The default range is the drawing width of this view. Returns int the total horizontal range represented by the horizontal scrollbar
protected int computeVerticalScrollExtent () Compute the vertical extent of the vertical scrollbar's thumb within the vertical range. This value is used to compute the length of the thumb within the scrollbar's track. The range is expressed in arbitrary units that must be the same as the units used by computeVerticalScrollRange() and computeVerticalScrollOffset(). The default extent is the drawing height of this view. Returns int the vertical extent of the scrollbar's thumb
protected int computeVerticalScrollOffset () Compute the vertical offset of the vertical scrollbar's thumb within the horizontal range. This value is used to compute the position of the thumb within the scrollbar's track. The range is expressed in arbitrary units that must be the same as the units used by computeVerticalScrollRange() and computeVerticalScrollExtent(). The default offset is the scroll offset of this view. Returns int the vertical offset of the scrollbar's thumb
protected int computeVerticalScrollRange () Compute the vertical range that the vertical scrollbar represents. The range is expressed in arbitrary units that must be the same as the units used by computeVerticalScrollExtent() and computeVerticalScrollOffset(). Returns int the total vertical range represented by the vertical scrollbar
The default range is the drawing height of this view.
protected void dispatchDraw (Canvas canvas) Called by draw to draw the child views. This may be overridden by derived classes to gain control just before its children are drawn (but after its own view has been drawn).
Parameters
canvas Canvas: the canvas on which to draw the view
protected void onAttachedToWindow () This is called when the view is attached to a window. At this point it has a Surface and will start drawing. Note that this function is guaranteed to be called before onDraw(android.graphics.Canvas), however it may be called any time before the first onDraw -- including before or after onMeasure(int, int). If you override this method you must call through to the superclass implementation.
protected void onConfigurationChanged (Configuration newConfig) Called when the current configuration of the resources being used by the application have changed. You can use this to decide when to reload resources that can be changed based on orientation and other configuration characteristics. You only need to use this if you are not relying on the normal Activity mechanism of recreating the activity instance upon a configuration change.
Parameters
newConfig Configuration: The new resource configuration.
protected void onDraw (Canvas canvas) Implement this to do your drawing.
Parameters
canvas Canvas: the canvas on which the background will be drawn
protected void onFocusChanged (boolean focused, int direction, Rect previouslyFocusedRect) Called by the view system when the focus state of this view changes. When the focus change event is caused by directional navigation, direction and previouslyFocusedRect provide insight into where the focus is coming from. When overriding, be sure to call up through to the super class so that the standard focus handling will occur. If you override this method you must call through to the superclass implementation.
Parameters
focused boolean: True if the View has focus; false otherwise.
direction int: The direction focus has moved when requestFocus() is called to give this view focus. Values are View.FOCUS_UP, View.FOCUS_DOWN, View.FOCUS_LEFT, View.FOCUS_RIGHT, View.FOCUS_FORWARD, or View.FOCUS_BACKWARD. It may not always apply, in which case use the default.
Value is View.FOCUS_BACKWARD, View.FOCUS_FORWARD, View.FOCUS_LEFT, View.FOCUS_RIGHT, View.FOCUS_UP, View.FOCUS_DOWN previouslyFocusedRect Rect: The rectangle, in this view's coordinate system, of the previously focused view. If applicable, this will be passed in as finer grained information about where the focus is coming from (in addition to direction). Will be null otherwise.
protected void onMeasure (int widthMeasureSpec, int heightMeasureSpec) Measure the view and its content to determine the measured width and the measured height. This method is invoked by measure(int, int) and should be overridden by subclasses to provide accurate and efficient measurement of their contents.
CONTRACT: When overriding this method, you must call setMeasuredDimension(int, int) to store the measured width and height of this view. Failure to do so will trigger an IllegalStateException, thrown by measure(int, int). Calling the superclases' onMeasure(int, int) is a valid use. The base class implementation of measure defaults to the background size, unless a larger size is allowed by the MeasureSpec. Subclasses should override onMeasure(int, int) to provide better measurements of their content. If this method is overridden, it is the subclass's responsibility to make sure the measured height and width are at least the view's minimum height and width (getSuggestedMinimumHeight() and getSuggestedMinimumWidth()).
Parameters
widthMeasureSpec int: horizontal space requirements as imposed by the parent. The requirements are encoded with View.MeasureSpec.
heightMeasureSpec int: vertical space requirements as imposed by the parent. The requirements are encoded with View.MeasureSpec.
protected void onOverScrolled (int scrollX, int scrollY, boolean clampedX, boolean clampedY) Called by overScrollBy(int, int, int, int, boolean) to respond to the results of an over-scroll operation.
Parameters
scrollX int: New X scroll value in pixels
scrollY int: New Y scroll value in pixels
clampedX boolean: True if scrollY was clamped to an over-scroll boundary
clampedY boolean: True if scrollX was clamped to an over-scroll boundary
protected void onScrollChanged (int l, int t, int oldl, int oldt) This is called in response to an internal scroll in this view (i.e., the view scrolled its own contents). This is typically as a result of scrollBy(int, int) or scrollTo(int, int) having been called.
Parameters
l int: Current horizontal scroll origin.
t int: Current vertical scroll origin.
oldl int: Previous vertical scroll origin.
oldt int: Previous vertical scroll origin.
protected void onSizeChanged (int w, int h, int ow, int oh) This is called during layout when the size of this view has changed. If you were just added to the view hierarchy, you're called with the old values of 0.
Parameters
w int: Current width of this view.
h int: Current height of this view.
ow int: Old width of this view.
oh int: Old height of this view.
protected void onVisibilityChanged (View changedView, int visibility) Called when the visibility of the view or an ancestor of the view has changed.
protected void onWindowVisibilityChanged (int visibility) Called when the window containing has change its visibility
Called when the window containing has change its visibility
Called when the window containing has change its visibility
Note that this tells you whether or not your window is being made visible to the window manager; this does not tell you whether or not your window is obscured by other windows on the screen, even if it is itself visible.