**public class EditText extends TextView**

**public** [**Editable**](http://developer.android.com/reference/android/text/Editable.html) **getText ()**

Return the text the TextView is displaying. If setText() was called with an argument of BufferType.SPANNABLE or BufferType.EDITABLE, you can cast the return value from this method to Spannable or Editable, respectively. Note: The content of the return value should not be modified. If you want a modifiable one, you should make your own copy first.

public abstract class Uri extends [Object](http://developer.android.com/reference/java/lang/Object.html) implements [Parcelable](http://developer.android.com/reference/android/os/Parcelable.html) [Comparable](http://developer.android.com/reference/java/lang/Comparable.html)<T>

#### public static [Uri](http://developer.android.com/reference/android/net/Uri.html) parse ([String](http://developer.android.com/reference/java/lang/String.html) uriString)

Creates a Uri which parses the given encoded URI string.

##### Parameters

|  |  |
| --- | --- |
| **uriString** | an RFC 2396-compliant, encoded URI |

##### Returns

* Uri for this given uri string

##### Throws

|  |  |
| --- | --- |
| [**NullPointerException**](http://developer.android.com/reference/java/lang/NullPointerException.html) | if uriString is null |

public class Intent extends [Object](http://developer.android.com/reference/java/lang/Object.html) implements [Parcelable](http://developer.android.com/reference/android/os/Parcelable.html) [Cloneable](http://developer.android.com/reference/java/lang/Cloneable.html)

[String](http://developer.android.com/reference/java/lang/String.html) [ACTION\_VIEW](http://developer.android.com/reference/android/content/Intent.html#ACTION_VIEW) Activity Action: Display the data to the user.

[Intent](http://developer.android.com/reference/android/content/Intent.html#Intent%28java.lang.String,%20android.net.Uri%29)([String](http://developer.android.com/reference/java/lang/String.html) action, [Uri](http://developer.android.com/reference/android/net/Uri.html) uri)

Create an intent with a given action and for a given data url.

#### public Intent ([String](http://developer.android.com/reference/java/lang/String.html) action, [Uri](http://developer.android.com/reference/android/net/Uri.html) uri)

Since: [API Level 1](http://developer.android.com/guide/appendix/api-levels.html#level1)

Create an intent with a given action and for a given data url. Note that the action must be in a namespace because Intents are used globally in the system -- for example the system VIEW action is android.intent.action.VIEW; an application's custom action would be something like com.google.app.myapp.CUSTOM\_ACTION.

Note: scheme and host name matching in the Android framework is case-sensitive, unlike the formal RFC. As a result, you should always ensure that you write your Uri with these elements using lower case letters, and normalize any Uris you receive from outside of Android to ensure the scheme and host is lower case.

##### Parameters

|  |  |
| --- | --- |
| **action** | The Intent action, such as ACTION\_VIEW. |
| **uri** | The Intent data URI. |

public class WebView extends [AbsoluteLayout](http://developer.android.com/reference/android/widget/AbsoluteLayout.html) implements [ViewGroup.OnHierarchyChangeListener](http://developer.android.com/reference/android/view/ViewGroup.OnHierarchyChangeListener.html) [ViewTreeObserver.OnGlobalFocusChangeListener](http://developer.android.com/reference/android/view/ViewTreeObserver.OnGlobalFocusChangeListener.html)

## Class Overview

A View that displays web pages. This class is the basis upon which you can roll your own web browser or simply display some online content within your Activity. It uses the WebKit rendering engine to display web pages and includes methods to navigate forward and backward through a history, zoom in and out, perform text searches and more.

To enable the built-in zoom, set [WebSettings](http://developer.android.com/reference/android/webkit/WebView.html#getSettings%28%29).[setBuiltInZoomControls(boolean)](http://developer.android.com/reference/android/webkit/WebSettings.html#setBuiltInZoomControls%28boolean%29) (introduced in API version 3).

Note that, in order for your Activity to access the Internet and load web pages in a WebView, you must add the INTERNET permissions to your Android Manifest file:

<uses-permission android:name="android.permission.INTERNET" />

This must be a child of the element.

[WebSettings](http://developer.android.com/reference/android/webkit/WebSettings.html) [getSettings](http://developer.android.com/reference/android/webkit/WebView.html#getSettings%28%29)()

Return the WebSettings object used to control the settings for this WebView.

public class WebSettings extends [Object](http://developer.android.com/reference/java/lang/Object.html)

synchronized void [setJavaScriptEnabled](http://developer.android.com/reference/android/webkit/WebSettings.html#setJavaScriptEnabled%28boolean%29)(boolean flag)

Tell the WebView to enable javascript execution.

#### public void loadUrl ([String](http://developer.android.com/reference/java/lang/String.html) url)

Load the given url.

##### Parameters

|  |  |
| --- | --- |
| **url** | The url of the resource to load. |

public class Activity extends [ContextThemeWrapper](http://developer.android.com/reference/android/view/ContextThemeWrapper.html) implements [ComponentCallbacks](http://developer.android.com/reference/android/content/ComponentCallbacks.html) [KeyEvent.Callback](http://developer.android.com/reference/android/view/KeyEvent.Callback.html) [LayoutInflater.Factory2](http://developer.android.com/reference/android/view/LayoutInflater.Factory2.html) [View.OnCreateContextMenuListener](http://developer.android.com/reference/android/view/View.OnCreateContextMenuListener.html) [Window.Callback](http://developer.android.com/reference/android/view/Window.Callback.html)

**public** [**Object**](http://developer.android.com/reference/java/lang/Object.html) **getSystemService (**[**String**](http://developer.android.com/reference/java/lang/String.html) **name)**

Since: [API Level 1](http://developer.android.com/guide/appendix/api-levels.html#level1)

Return the handle to a system-level service by name. The class of the returned object varies by the requested name. Currently available names are:

[LOCATION\_SERVICE](http://developer.android.com/reference/android/content/Context.html#LOCATION_SERVICE) ("location")

A [LocationManager](http://developer.android.com/reference/android/location/LocationManager.html) for controlling location (e.g., GPS) updates.

|  |  |
| --- | --- |
| public class Criteria extends [Object](http://developer.android.com/reference/java/lang/Object.html) implements [Parcelable](http://developer.android.com/reference/android/os/Parcelable.html) | |
|  |  |

## Class Overview

A class indicating the application criteria for selecting a location provider. Providers maybe ordered according to accuracy, power usage, ability to report altitude, speed, and bearing, and monetary cost.

public class LocationManager extends [Object](http://developer.android.com/reference/java/lang/Object.html)

#### public [String](http://developer.android.com/reference/java/lang/String.html) getBestProvider ([Criteria](http://developer.android.com/reference/android/location/Criteria.html) criteria, boolean enabledOnly)

Returns the name of the provider that best meets the given criteria. Only providers that are permitted to be accessed by the calling activity will be returned. If several providers meet the criteria, the one with the best accuracy is returned. If no provider meets the criteria, the criteria are loosened in the following sequence:

* power requirement
* accuracy
* bearing
* speed
* altitude

Note that the requirement on monetary cost is not removed in this process.

##### Parameters

|  |  |
| --- | --- |
| **criteria** | the criteria that need to be matched |
| **enabledOnly** | if true then only a provider that is currently enabled is returned |

##### Returns

* name of the provider that best matches the requirements

#### public [Location](http://developer.android.com/reference/android/location/Location.html) getLastKnownLocation ([String](http://developer.android.com/reference/java/lang/String.html) provider)

Returns a Location indicating the data from the last known location fix obtained from the given provider. This can be done without starting the provider. Note that this location could be out-of-date, for example if the device was turned off and moved to another location.

If the provider is currently disabled, null is returned.

##### Parameters

|  |  |
| --- | --- |
| **provider** | the name of the provider |

##### Returns

* the last known location for the provider, or null

##### Throws

|  |  |
| --- | --- |
| [**SecurityException**](http://developer.android.com/reference/java/lang/SecurityException.html) | if no suitable permission is present for the provider. |
| [**IllegalArgumentException**](http://developer.android.com/reference/java/lang/IllegalArgumentException.html) | if provider is null or doesn't exist |

#### public void requestLocationUpdates ([String](http://developer.android.com/reference/java/lang/String.html) provider, long minTime, float minDistance, [LocationListener](http://developer.android.com/reference/android/location/LocationListener.html) listener)

Registers the current activity to be notified periodically by the named provider. Periodically, the supplied LocationListener will be called with the current Location or with status updates.

It may take a while to receive the most recent location. If an immediate location is required, applications may use the [getLastKnownLocation(String)](http://developer.android.com/reference/android/location/LocationManager.html#getLastKnownLocation%28java.lang.String%29) method.

In case the provider is disabled by the user, updates will stop, and the [onProviderDisabled(String)](http://developer.android.com/reference/android/location/LocationListener.html#onProviderDisabled%28java.lang.String%29) method will be called. As soon as the provider is enabled again, the [onProviderEnabled(String)](http://developer.android.com/reference/android/location/LocationListener.html#onProviderEnabled%28java.lang.String%29) method will be called and location updates will start again.

The frequency of notification may be controlled using the minTime and minDistance parameters. If minTime is greater than 0, the LocationManager could potentially rest for minTime milliseconds between location updates to conserve power. If minDistance is greater than 0, a location will only be broadcasted if the device moves by minDistance meters. To obtain notifications as frequently as possible, set both parameters to 0.

Background services should be careful about setting a sufficiently high minTime so that the device doesn't consume too much power by keeping the GPS or wireless radios on all the time. In particular, values under 60000ms are not recommended.

The calling thread must be a [Looper](http://developer.android.com/reference/android/os/Looper.html) thread such as the main thread of the calling Activity.

##### Parameters

|  |  |
| --- | --- |
| **provider** | the name of the provider with which to register |
| **minTime** | the minimum time interval for notifications, in milliseconds. This field is only used as a hint to conserve power, and actual time between location updates may be greater or lesser than this value. |
| **minDistance** | the minimum distance interval for notifications, in meters |
| **listener** | a {#link LocationListener} whose [onLocationChanged(Location)](http://developer.android.com/reference/android/location/LocationListener.html#onLocationChanged%28android.location.Location%29) method will be called for each location update |

##### Throws

|  |  |
| --- | --- |
| [**IllegalArgumentException**](http://developer.android.com/reference/java/lang/IllegalArgumentException.html) | if provider or listener is null |
| [**RuntimeException**](http://developer.android.com/reference/java/lang/RuntimeException.html) | if the calling thread has no Looper |
| [**SecurityException**](http://developer.android.com/reference/java/lang/SecurityException.html) | if no suitable permission is present for the provider. |

#### public void removeUpdates ([PendingIntent](http://developer.android.com/reference/android/app/PendingIntent.html) intent)

Removes any current registration for location updates of the current activity with the given PendingIntent. Following this call, updates will no longer occur for this intent.

##### Parameters

|  |  |
| --- | --- |
| **intent** | {#link PendingIntent} object that no longer needs location updates |

##### Throws

|  |  |
| --- | --- |
| [**IllegalArgumentException**](http://developer.android.com/reference/java/lang/IllegalArgumentException.html) | if intent is null |

public interface LocationListener

abstract void onLocationChanged(Location location)

Called when the location has changed.

abstract void onProviderDisabled(String provider)

Called when the provider is disabled by the user.

abstract void onProviderEnabled(String provider)

Called when the provider is enabled by the user.

abstract void onStatusChanged(String provider, int status, Bundle extras)

Called when the provider status changes.

#### public abstract void onStatusChanged ([String](http://developer.android.com/reference/java/lang/String.html) provider, int status, [Bundle](http://developer.android.com/reference/android/os/Bundle.html) extras)

Called when the provider status changes. This method is called when a provider is unable to fetch a location or if the provider has recently become available after a period of unavailability.

##### Parameters

|  |  |
| --- | --- |
| **provider** | the name of the location provider associated with this update. |
| **status** | [OUT\_OF\_SERVICE](http://developer.android.com/reference/android/location/LocationProvider.html#OUT_OF_SERVICE) if the provider is out of service, and this is not expected to change in the near future; [TEMPORARILY\_UNAVAILABLE](http://developer.android.com/reference/android/location/LocationProvider.html#TEMPORARILY_UNAVAILABLE) if the provider is temporarily unavailable but is expected to be available shortly; and [AVAILABLE](http://developer.android.com/reference/android/location/LocationProvider.html#AVAILABLE) if the provider is currently available. |
| **extras** | an optional Bundle which will contain provider specific status variables.  A number of common key/value pairs for the extras Bundle are listed below. Providers that use any of the keys on this list must provide the corresponding value as described below.   * satellites - the number of satellites used to derive the fix |

public class TextView extends [View](http://developer.android.com/reference/android/view/View.html)  
implements [ViewTreeObserver.OnPreDrawListener](http://developer.android.com/reference/android/view/ViewTreeObserver.OnPreDrawListener.html)

**public final void append ([CharSequence](http://developer.android.com/reference/java/lang/CharSequence.html) text)**

Convenience method: Append the specified text to the TextView's display buffer, upgrading it to BufferType.EDITABLE if it was not already editable.

public interface

# CharSequence

|  |
| --- |
| java.lang.CharSequence |

|  |
| --- |
| [http://developer.android.com/assets/images/triangle-closed.png](http://developer.android.com/reference/java/lang/CharSequence.html)Known Indirect Subclasses  [AlteredCharSequence](http://developer.android.com/reference/android/text/AlteredCharSequence.html), [CharBuffer](http://developer.android.com/reference/java/nio/CharBuffer.html), [Editable](http://developer.android.com/reference/android/text/Editable.html), [GetChars](http://developer.android.com/reference/android/text/GetChars.html), [Spannable](http://developer.android.com/reference/android/text/Spannable.html), [SpannableString](http://developer.android.com/reference/android/text/SpannableString.html), [SpannableStringBuilder](http://developer.android.com/reference/android/text/SpannableStringBuilder.html), [Spanned](http://developer.android.com/reference/android/text/Spanned.html), [SpannedString](http://developer.android.com/reference/android/text/SpannedString.html), [String](http://developer.android.com/reference/java/lang/String.html), [StringBuffer](http://developer.android.com/reference/java/lang/StringBuffer.html), [StringBuilder](http://developer.android.com/reference/java/lang/StringBuilder.html) |