





WebView Browser	Morning III	
<manifest <br="" xmlns:android="http://schemas.android.com/apk/res/android">package="com.example.webview_url" android:versionCode="1" android:versionName="1.0" &gt;</manifest>	In order for your Activity to access the Internet you must add	
<pre><uses-sdk android:minsdkversion="8" android:targetsdkversion="15"></uses-sdk> <uses-permission android:name="android.permission.INTERNET"></uses-permission><td colspan="2">the INTERNET permission to your Android Manifest file:</td></pre>	the INTERNET permission to your Android Manifest file:	
<application< td=""><td>(see next example)</td></application<>	(see next example)	
android:icon="@drawable/ic_launcher"		
android:label="@string/app_name"		
android:theme="@style/AppTheme" >		
<pre></pre>		
android:name=".MginActivity"		
android:label="@string/title activity main" >		
<intent-filter></intent-filter>		
<action .<="" android:name="android.intent.action.MAIN" td=""><td>/&gt;</td></action>	/>	
<pre><category android:name="android.intent.category.LA &lt;/intent-filter&gt;&lt;/pre&gt;&lt;/td&gt;&lt;td&gt;UNCHER"></category></pre>		











WebView Browser	
<b>Example 1A: A simple browsing experience</b> Part 2 - Let's visit CSU (add this method to the app)	
<pre>private void showMyHomeMadeHtmlPage() {</pre>	
<pre>String aGoogleMapImage =     "<img "staticmap?center='41.5020952,81.6789717&amp;"' "zoom='14&amp;size=350x450&amp;sensor=false\"' +="" src='\"http://maps.googleapis.com/maps/api/"'/> "; String myLocalHtmlPage =     "<html> "     + "<body> Hello, world! "     + "    + "  Greetings from Cleveland State University"     + aGoogleMapImage     + "</body> "     + "</html>"; browser.loadData( myLocalHtmlPage, "text/html", "UTF-8" ); }</pre>	Network Weilinger from Cleveland State University Telescope from C





## WebView Browser

## **Browser Commands**

There is no navigation toolbar with the WebView widget (*saving space*). You could supply the UI –such as a Menu– to execute the following operations:

- reload() to refresh the currently-viewed Web page
- goBack() to go back one step in the browser history, and canGoBack() to determine if there is any history to trace back
- goForward() to go forward one step in the browser history, and canGoForward() to determine if there is any history to go forward to
- goBackOrForward() to go backwards or forwards in the browser history, where negative/positive numbers represent a count of steps to go
- canGoBackOrForward() to see if the browser can go backwards or forwards the stated number of steps (following the same positive/negative convention as goBackOrForward())
- clearCache() to clear the browser resource cache and clearHistory() to clear the browsing history

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WebView Browser	
Using our running example:	
<pre>browser.goBack(); browser.goForward(); browser.goBackOrForward(-2); browser.goBackOrForward(+2);</pre>	
<pre>browser.canGoBack(); browser.canGoForward(); browser.canGoBackOrForward(-2); browser.canGoBackOrForward(+2);</pre>	
<pre>browser.clearCache(true); browser.clearHistory(); browser.stopLoading();</pre>	
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Example 2. Pass WebView2 You are at Latitude (unknown) Longitude(unknown) Click to Get Location Enter some data here Talking to Android	WebView sing Objects betw	W Browse veen Android WebView2 You are at Latitude 9.938038 Longitude -84.05443 Click to Get Location Enter some data here hello Android Talking to Android	Click to Get Location Enter some data here hello Android Talking to Android
	Talking to Android	-	Spy data coming from HTML hello Android 9.938038 -84.05443



















<pre>WebView Browser Example 3. Using Google JavaScript Maps API V3 _ lof2 <pre></pre></pre>		
<pre>Example 3. Using Google JavaScript Maps API V3 1of2  (DOCTYPE html (html) (html) (meta name="viewport" content="initial-scale=1.0, user-scalable=no" /&gt; (style type="text/css") html { height: 100% } body { height: 100% } (style) (script type="text/javascript" src="http://maps.google.com/maps/api/js?sensor=false"&gt; (script type="text/javascript" src="http://maps.google.com/maps/api/js?sensor=false"&gt; (script type="text/javascript" (script type="text/javascript") function initialize() {     var lating = new google.maps.Lating(41.5020952, -81.6789717);     var map = new google.maps.MapTypeId.ROADMAP };     var map = new google.maps.Map( document.getElementById("map_canvas"),</pre>	WebView Browser	
<pre><!DOCTYPE html>    </pre>	Example 3. Using Google JavaScript Maps API V3 1 of 2	
<pre><meta content="initial-scale=1.0, user-scalable=no" name="viewport"/> <style type="text/css">     html { height: 100% }     body { height: 100% ; margin: 0px; padding: 0px }     #map_canvas { height: 100% }     </style> <script src="http://maps.google.com/maps/api/js?sensor=false" type="text/javascript">     </style> <script type="text/javascript"     src="http://maps.google.com/maps/api/js?sensor=false">     </style> <script type="text/javascript">     function initialize() {         var lating = new google.maps.Lating(41.5020952, -81.6789717);         var myOptions = { zoom: 15,             center: lating,             mapTypeId: google.maps.MapTypeId.ROADMAP };     var map = new google.maps.Map( document.getElementById("map_canvas"),</th><th><pre><!DOCTYPE html> <html> <html> webview_map.html</pre></th></tr><tr><td><pre><script type="text/javascript" src="http://maps.google.com/maps/api/js?sensor=false"> </script> <script type="text/javascript"> function initialize() { var lating = new google.maps.Lating(41.5020952, -81.6789717); var myOptions = { zoom: 15, center: lating, mapTypeId: google.maps.MapTypeId.ROADMAP }; var map = new google.maps.Map( document.getElementById("map_canvas"),</td><td><pre><meta name= "vtewport" content= initial-scale=1.0, user-scalable=no" /> <style type="text/css">     html { height: 100% }     body { height: 100%; margin: 0px; padding: 0px }     #map_canvas { height: 100% }   </style></pre></td></tr><tr><td><pre><script type="text/javascript"> function initialize() {     var lating = new google.maps.Lating(41.5020952, -81.6789717);     var myOptions = { zoom: 15,         center: lating,         mapTypeId: google.maps.MapTypeId.ROADMAP };     var map = new google.maps.Map( document.getElementById("map_canvas"),</td><td><script type="text/javascript" src="http://maps.google.com/maps/api/js?sensor=false"> </script></pre>		
<pre>var map = new google.maps.Map( document.getElementById("map_canvas"),</pre>	<pre><script type="text/javascript"> function initialize() {     var lating = new google.maps.Lating(41.5020952, -81.6789717);     var myOptions = { zoom: 15,         center: lating,         mapTypeId: google.maps.MapTypeId.ROADMAP }; </pre></td></tr><tr><th>}</th><th><pre>var map = new google.maps.Map( document.getElementById("map_canvas"),</th></tr><tr><td></script>  36</pre>	}   36











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var	marker = new		(document.getEl	ementById("map_car	ivas ), myoptions);	
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Examp	ole4. Main Activity Android & Google Map V3 App (real locations)
	@Override
	<pre>public void onCreate(Bundle savedInstanceState) {</pre>
	<pre>super.onCreate(savedInstanceState);</pre>
	<pre>setContentview(R.layout.main); gotLocation();</pre>
	setupBrowser():
	this.setRequestedOrientation(ActivityInfo.SCREEN ORIENTATION PORTRAIT);
	<pre>}//onCreate</pre>
	/** Set up the browser object and load the page's URL **/
	<pre>@SuppressLint("SetJavaScriptEnabled")</pre>
	private void setupBrowser() {
	<pre>final String centerMapURL = "javascript:centerAt("</pre>
	+ locater.getLatitude() + ","
	+ locater.getLongitude() + ")";
	<pre>// set up the browser to show location results</pre>
	<pre>browser = (WebView) findViewById(R.id.webview);</pre>
	<pre>browser.getSettings().setJavaScriptEnabled(true);</pre>
	<pre>browser.addJavascriptInterface(locater, "locater"); browser.locdUpl("file.(//ardnoid_accet(uphyiou_map_btml"));</pre>
	browser.ioadori( Tite.///android_assec/webview_map.itcmit );
	<pre>// Wait for the page to load then send the location information</pre>
	<pre>browser.setWebViewClient(new WebViewClient() {</pre>
	@Override
	<pre>public void onPageFinished(WebView view, String url) {</pre>
	browser.loadUrl(centerMapURL):







