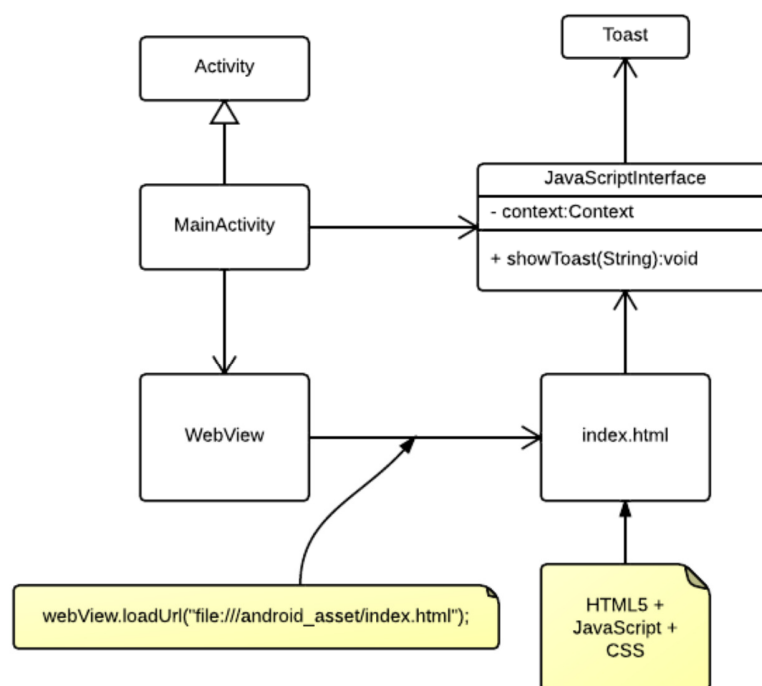




## Exercise Android WebView

In this exercise we will build an hybrid application using WebView. MainActivity creates WebView and mainlayout defines WebViewin covering the whole screen. Moreover JavaScript interface is added for WebView; Java object that shows a toast notification inside its interface.

WebView is located under the assets folder (must be createted by mouse) including a HTML file. The file consist of a button and when clicking it calls JavaScript function, inside there is the interface.



- 1) Generate a new Android application, give the name like WebViewExample.
- 2) Follow next guidelines:  
<http://developer.android.com/guide/webapps/webview.html>



- 3) Add HTML file (index.html) into the assets folder (if not exists, create the folder by mouse right) then you are able to refer it as told in the drawing.

```
<!DOCTYPE html>
<html>
<head>
<script type="text/javascript">
    function showAndroidToast(toast) {
        Android.showToast(toast);
    }
</script>
</head>
<body>
<button type="button" onclick="showAndroidToast('Hello Android!')">Say Hello!</button>
</body>
</html>
```

**Remark!** If testet using Api 17 or higher use @JavascriptInterface definition over the interface function showToast in class Interface. Annotation that allows exposing methods to JavaScript. Starting from API level JELLY\_BEAN\_MR1 and above, only methods explicitly marked with this annotation are available to the Javascript code.

```
/** Show a toast from the web page */
// @JavascriptInterface tÄMÄ JOS API 17 ..
@JavascriptInterface
public void showToast(String toast) {
    Toast.makeText(mContext, toast, Toast.LENGTH_SHORT).show();
}
```

