

com.hit.gymapp
MainActivity.java

```
package com.hit.gymapp;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.webkit.WebResourceRequest;
import android.webkit.WebSettings;
import android.webkit.WebView;
import android.webkit.WebViewClient;

/**
 * The only activity, including the web view
 */
public class MainActivity extends AppCompatActivity {

    WebView webView = null;

    /**
     * onCreate.
     * create the view
     *
     * @param savedInstanceState the save instance state
     */
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        webView = new WebView(this);
        webView.getSettings().setJavaScriptEnabled(true);
        webView.getSettings().setAllowFileAccess(true);
        webView.getSettings().setAppCacheEnabled(true);
        webView.loadUrl("http://10.0.2.2:8080/WebGymTracking/login.jsp");
        webView.getSettings().setMixedContentMode(WebSettings.MIXED_CONTENT_ALWAYS_ALLOW);
        webView.addJavascriptInterface(new WebAppInterface(this), "Android");
        //opens all link in the same web view instead of the default browser
        webView.setWebViewClient(new WebViewClient() {
            @Override
            public boolean shouldOverrideUrlLoading(WebView view, WebResourceRequest request) {
                view.loadUrl(request.getUrl().toString());
                return false;
            }
        });
        setContentView(webView);
    }

    /**
     * onBackPressed.
     * cancel the back button functionality
     */
    @Override
    public void onBackPressed() {
        return;
        //the back button does nothing, because the jQuery
    }
}
```

WebAppInterface.java

```
package com.hit.gymapp;

import android.content.Context;
import android.webkit.JavascriptInterface;
import android.widget.Toast;

public class WebAppInterface {
    Context mContext;

    /** Instantiate the interface and set the context */
    WebAppInterface(Context c) {
        mContext = c;
    }

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

AndroidManifest.xml

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.hit.gymapp">
    <uses-permission android:name="android.permission.INTERNET"></uses-permission>
    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="GymTracking"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/AppTheme">
        <activity android:name=".MainActivity">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>
</manifest>
```

activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools" android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context="com.hit.gymapp.MainActivity">

    <WebView
        android:layout_width="fill_parent"
        android:layout_height="fill_parent"
        android:id="@+id/webView"
        android:layout_alignParentLeft="true"
        android:layout_alignParentStart="true"
        android:layout_alignParentRight="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true" />

</RelativeLayout>
```