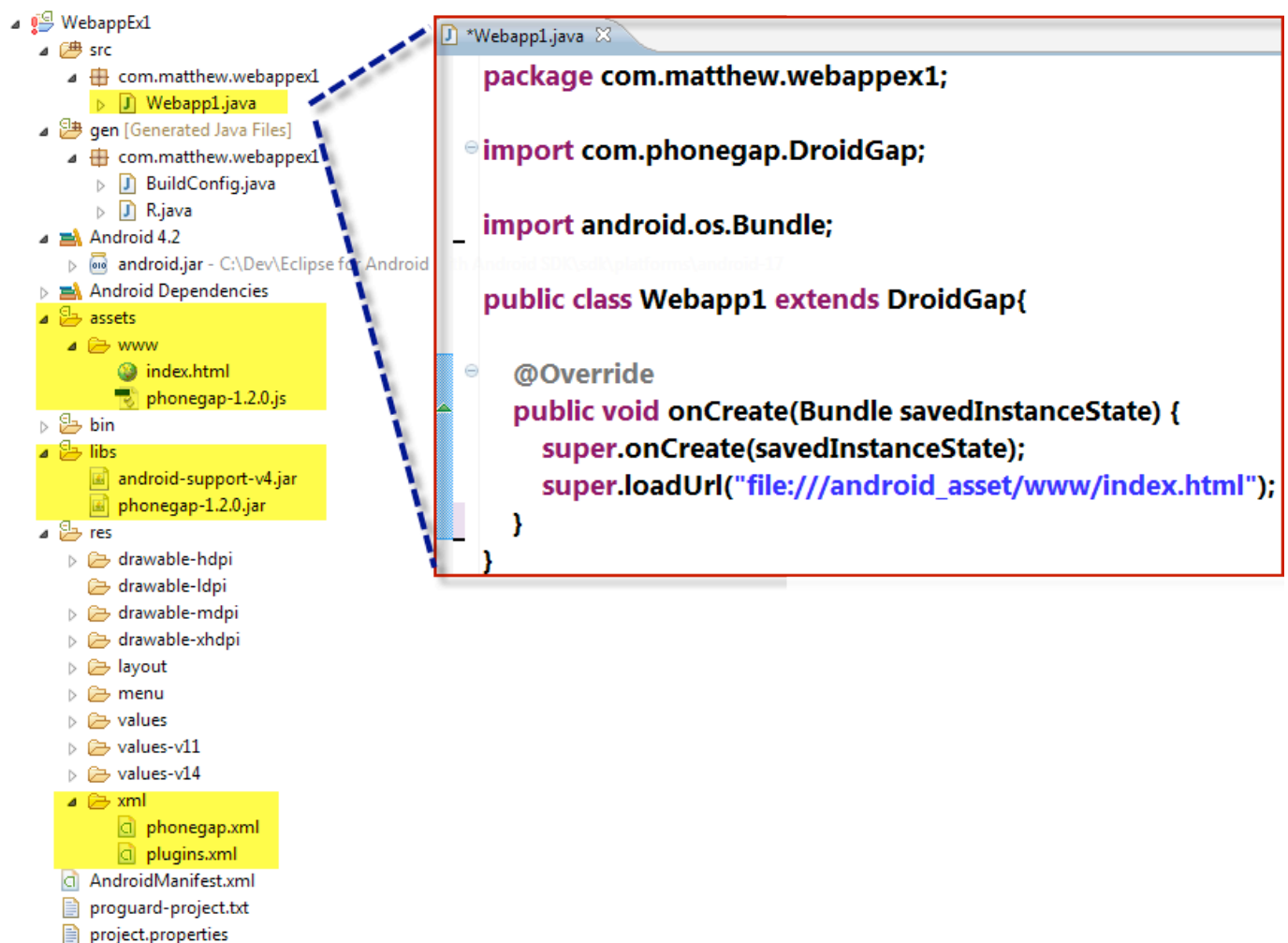


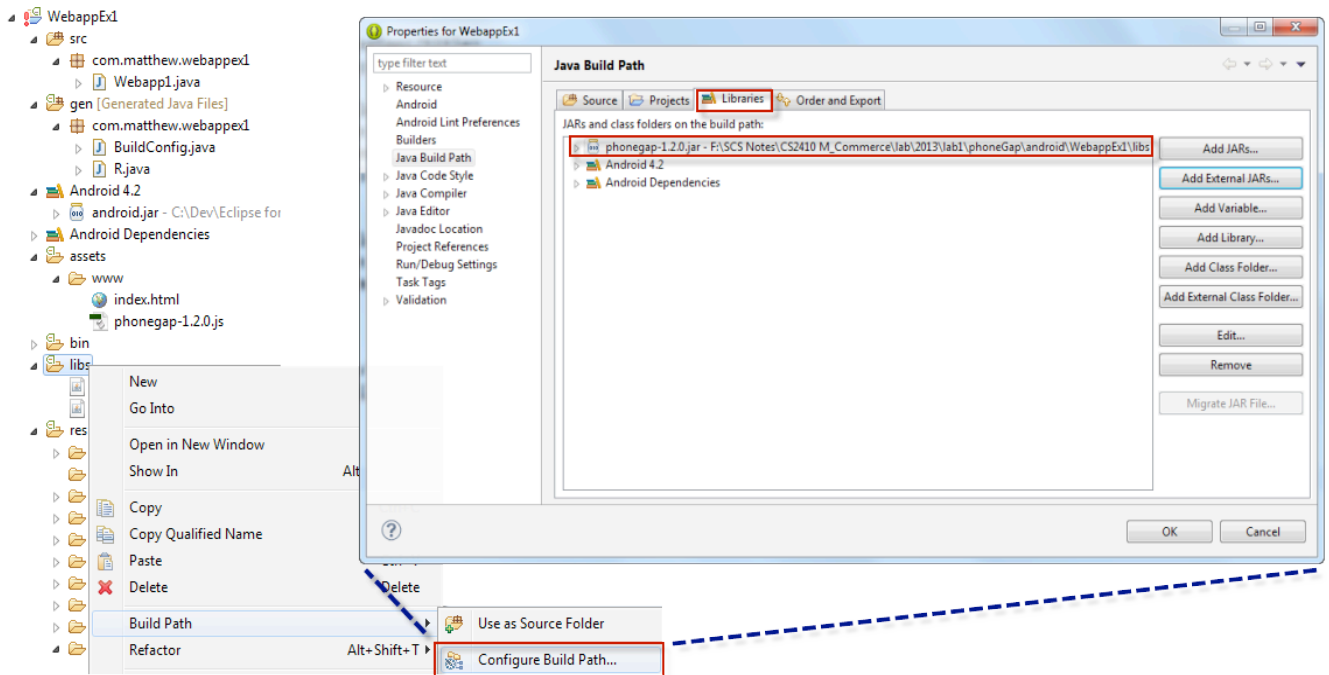
Tutorial

Create a simple android application using *phoneGap*

1. Open Eclipse and create a new project.
2. Add two folders in Eclipse: *libs* and *assets/www*, by right-clicking and selecting *New*→*Folder*.
3. Copy the *phonegap-1.2.0.jar* file from your PhoneGap download to *libs*.
4. Copy the *xml folder* from the PhoneGap download to *res*.
5. Copy the contents *www* folder used in the Xcode section into your Eclipse project, under the *assets/www* folder.
6. Change the default activity of the project to the following:



7. If after the previous step you still see errors, right-click on the *libs* folder and select *Build Paths*...→*Configure Build Paths*. In the dialog box that appears, select the *Libraries* tab and add the *PhoneGap.jar* file to the list.



8. Add your *index.html* under the *assets/www* folder.

```

<!DOCTYPE HTML>
<html>
<head>
<title>PhoneGap</title>
<script src="phonegap-1.2.0.js"></script>
<script>
/** Called when phonegap javascript is loaded */
function onDeviceReady(){
document.getElementById("helloworld").innerHTML="Hello World! Loaded PhoneGap Framework!";
console.log("#####");
}

/** Called when browser load this page*/
function init(){
document.addEventListener("deviceready", onDeviceReady, false);
}
</script>
</head>
<body onLoad="init()">
<h1 id="helloworld">...</h1>
</body>
</html>

```

9. Open the *AndroidManifest.xml* file and add the following under **versionName**:

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.matthew.webappex1"
    android:versionCode="1"
    android:versionName="1.0" >
    <uses-sdk
        android:minSdkVersion="8"
        android:targetSdkVersion="17" />
    <supports-screens android:largeScreens="true"
        android:normalScreens="true"
        android:smallScreens="true"
        android:resizeable="true"
        android:anyDensity="true" />
    <uses-permission android:name="android.permission.ACCESS_COARSE_LOCATION"/>
    <uses-permission android:name="android.permission.ACCESS_FINE_LOCATION"/>
    <uses-permission android:name="android.permission.CAMERA"/>
    <uses-permission android:name="android.permission.VIBRATE"/>
    <uses-permission android:name="android.permission.ACCESS_LOCATION_EXTRA_COMMANDS"/>
    <uses-permission android:name="android.permission.READ_PHONE_STATE"/>
    <uses-permission android:name="android.permission.INTERNET"/>
    <uses-permission android:name="android.permission.RECEIVE_SMS"/>
    <uses-permission android:name="android.permission.RECORD_AUDIO"/>
    <uses-permission android:name="android.permission.MODIFY_AUDIO_SETTINGS"/>
    <uses-permission android:name="android.permission.READ_CONTACTS"/>
    <uses-permission android:name="android.permission.WRITE_CONTACTS"/>
    <uses-permission android:name="android.permission.WRITE_EXTERNAL_STORAGE"/>
    <uses-permission android:name="android.permission.ACCESS_NETWORK_STATE"/>

    <uses-feature android:name="android.hardware.camera" />
    <uses-feature android:name="android.hardware.camera.autofocus" />

    <application
        android:allowBackup="true"
        android:icon="@drawable/ic_launcher"
        android:label="@string/app_name"
        android:theme="@style/AppTheme" >
        <activity
            android:name="com.matthew.webappex1.Webapp1"
            android:label="@string/app_name"
            android:configChanges="orientation|keyboardHidden" >
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
        <activity
            android:name="com.phonegap.DroidGap"
            android:exported="false"
            android:label="@string/app_name"
            android:configChanges="orientation|keyboardHidden" >
            <intent-filter ></intent-filter>
        </activity>
    </application>
</manifest>
```

10. Add ***android:configChanges="orientation|keyboardHidden"*** to the activity tag in *AndroidManifest.xml*.
11. Add a ***second*** activity under the application tag in *AndroidManifest.xml*:

```
<activity android:name="com.phonegap.DroidGap"
  android:label="@string/app_name"
  android:configChanges="orientation|keyboardHidden">
  <intent-filter>
  </intent-filter>
</activity>
```
12. Now you should be able to run your project (right-click on the project and select ***Run As***→***Android application***).

Create a simple android application using *phoneGap* and *CSS*

```

<!DOCTYPE html>
<html>
  <head>
    <title></title>

    <meta name="viewport" content="width=device-width, initial-scale=1.0, maximum-scale=1.0, user-scalable=no;" />
    <meta charset="utf-8">

    <!-- iPad/iPhone specific css below, add after your main css >
    <link rel="stylesheet" media="only screen and (max-device-width: 1024px)" href="ipad.css" />
    <link rel="stylesheet" media="only screen and (max-device-width: 480px)" href="iphone.css" />
    -->
    <!-- If your application is targeting iOS BEFORE 4.0 you MUST put json2.js from http://www.JSON.org/json2.js into your www directory and include it here -->

    <link rel="stylesheet" href="css/iphone.css" media="all" />
    <script src="phonegap-1.2.0.js"></script>
    <body>
      <div id="container">
        <div id="header">
          <h1><a href=".">Jeremy's Blog</a></h1>
          <div id="utility">
            <ul>
              <li><a href="about.html">About</a></li>
              <li><a href="blog.html">Blog</a></li>
            </ul>
          </div>
          <div id="nav">
            <ul>
              <li><a href="consulting-clinic.html">Consulting Clinic</a></li>
              <li><a href="on-call.html">On Call</a></li>
              <li><a href="development.html">Development</a></li>
            </ul>
          </div>
        </div>
        <div id="content">
          <h2>About</h2>
          <p>Jeremy is a web developer, speaker, and author. His consulting firm, Jeremy Consulting, Inc., has attracted clients such as Staples, Turner Broadcasting, and the PGA Tour. ...</p>
        </div>
        <div id="sidebar">
          
          <p>Jeremy is a mobile and web application developer who the Wall Street Journal has called an expert on publishing desktop data to the web.</p>
        </div>
        <div id="footer">
          <ul>
            <li><a href="services.html">Services</a></li>
            <li><a href="about.html">About</a></li>
            <li><a href="blog.html">Blog</a></li>
          </ul>
          <p class="subtle">Jeremy Consulting, Inc. &copy; 2011</p>
        </div>
      </div>
    </body>
  </html>

```

