# Windows PhoneGap Integration

* Vaadin Touchkit currently supports only iOS and Android

“Windows Phone support coming soon”  
  
Windows Phone apps can be run on Windows 8, but won’t have a native Windows 8 look

* Vaadin Touchkit only works in WebKit-based browsers  
    
  “TouchKit is designed for mobile browsers and supports currently only WebKit-based browsers at the moment. WebKit-based desktop browsers, such as Safari and Chrome, can be used for testing.   
  A TouchKit user interface will not work in non-WebKit browsers. To make the application working for such users, you can define a *fallback application* and widget set. These are defined with the fallbackApplication and fallbackWidgetset parameters in web.xml.”  
    
  http://demo.vaadin.com/vornitologist/VAADIN/tutorial/touchkit-tutorial.html
* PhoneGap uses Internet Explorer on Windows (which is not a WebKit-based browser)
* Camera and GPS can be accessed via Vaadin Touchkit directly. PhoneGap however allows for more device specific features to be integrated.
* For us, there are two options mainly:

1. Use Vaadin Touchkit and go without the conversion to a native Windows app with Phonegap. Use the Vaadin Touchkit webapp instead (with iOS-like appearance), which can be run by a WebKit browser only, such as Chrome, Safari, etc.  
   🡺 no native Windows app, only webapp for WebKit browser
2. Do not use Vaadin Touchkit for the Windows application. Use another framework that supports IE and then use PhoneGap to build a native Windows app.  
   It doesn’t matter how we develop the Windows application as we can define any application as a fallback (e.g. Vaadin, plain HTML5/CSS/JavaScript, or a conventional programming language, such as C++, C# or Visual Basic (VB.NET) and XAML).  
   mgwt wouldn’t work on non-WebKit browsers either.  
   🡺 develop two applications at the same time or do not use Vaadin Touchkit at all