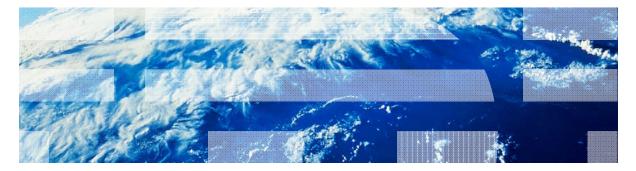


IBM Worklight V5.0.6 Getting Started

Android – Using native pages in hybrid applications



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Agenda

- Combining native and web pages
- How does it work?
- Exercise



Combining native and web pages

- This module is a continuation of module 7.6 Combining native and web pages.
- It explains how to combine native and web pages on an Android device.

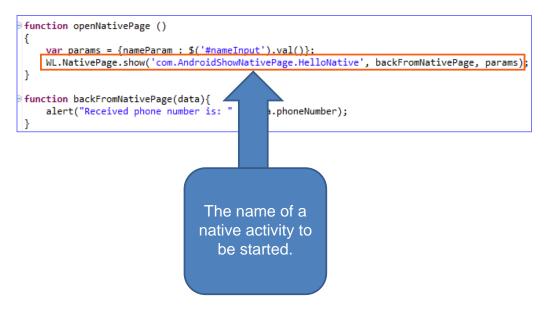


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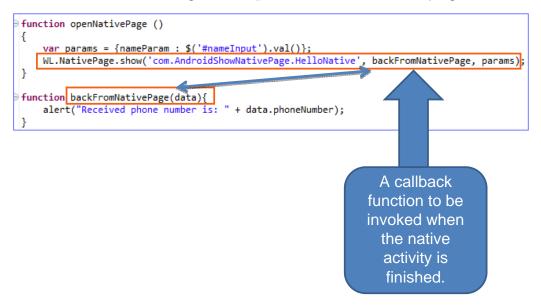


Use the WL.NativePage.show() API to start a native page.



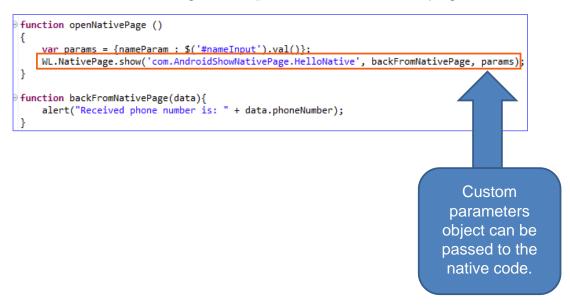


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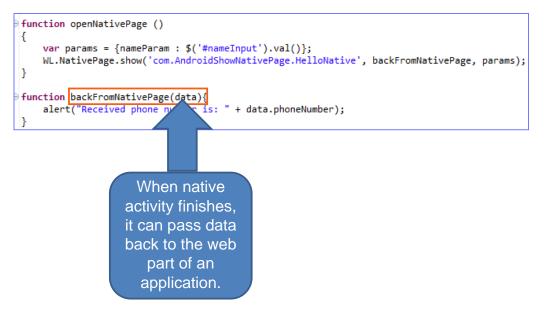


- Use the WL.NativePage.show() API to start a native page.





- Use the WL.NativePage.show() API to start a native page.



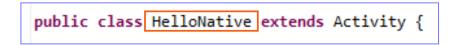


Writing a native page

- An Android page must be implemented as an Android activity.
- Either implement an activity or extend an existing activity.
- Like any other activity, you must declare this activity in the AndroidManifest.xml file.

```
<activity android:name=".HelloNative"></activity>
```

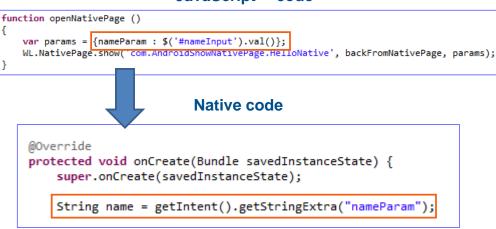
 Use the same package and class names as in the WL.NativePage API call.





Retrieve Parameters

 Upon invocation of the activity, custom data parameters that are passed from the web view can be retrieved by using an intent.

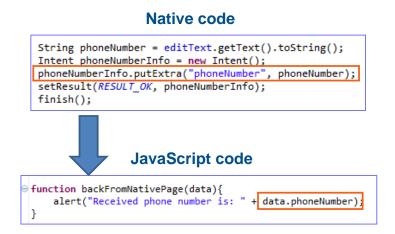


JavaScript[™] code



Returning control to the web view

- When the native page needs to switch back to the web view, it calls the finish() function for the activity.
- You can pass data back to the web view by creating an Intent object.





Agenda

- Combining native and web pages
- How does it work?
- Exercise



Exercise

- Create an application that behaves as follows:
 - Opens a web page that contains a button.
 - When the button is clicked, a native page is displayed with text received from the web page.
 - The native page also contains a button.
 - When the native button is clicked, the native page is closed and the web page is displayed.
 - An alert with text received from the native page is displayed.



Exercise solution

 The sample for this training module can be found in the Getting Started page of the IBM Worklight® documentation website at

http://www.ibm.com/mobile-docs

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Android Show Native Page	AndroidShowNativePage Name received from JavaScript :: John Smith	Android Show Native Page
Please enter your name: John Smith Open native page	Return to the Web App	Please enter your name: John Smith Open native page Alert
		phone number is: 1234567890



Check yourself questions

- What are the steps of creating a native page?
 - Create a new Java[™] class, extend the activity.
 - Create a new Java class, extend the activity, and add an activity declaration to the AndroidManifest.xml.
 - Create a new Java class, extend the native page.
 - Create a new Java class, extend the native page, and add a native page declaration to the AndroidManifest.xml.
- Is it possible to transfer data between web and native page?
 - Web to native no, native to web no.
 - Web to native yes, native to web no.
 - Web to native no, native to web yes.
 - Web to native yes, native to web yes.



Check yourself questions

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Web to native – yes, native to web – yes.



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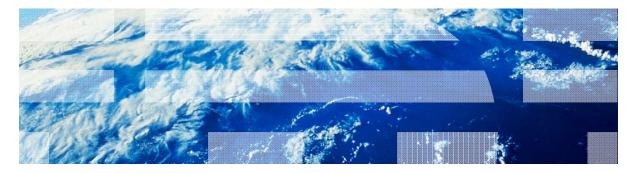
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