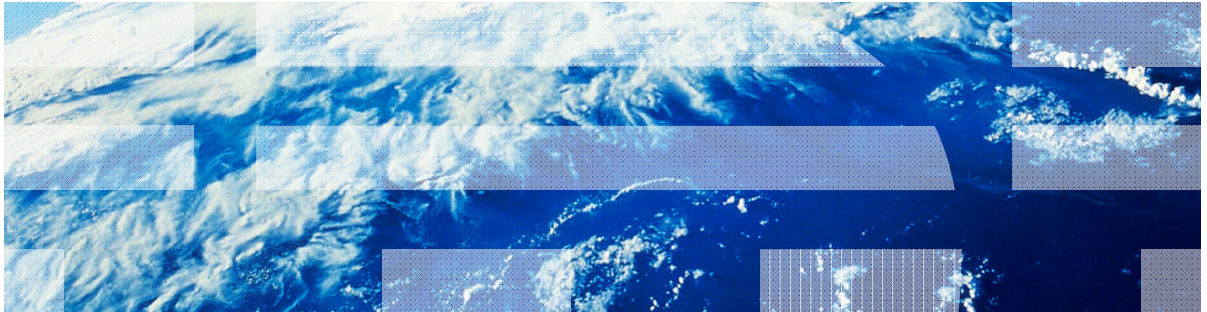


IBM Worklight V5.0.5 Getting Started

Module 7.3 – Skins



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Agenda

- What are skins?
- How do skins work?
- Exercise

Skins

- Skins provide support for multiple form factors in a single executable file for devices of the same OS family.
- Skins are a sub-variant of an environment.
- Skins are packaged together in one app.
- The decision on which skin to use is made automatically at runtime

Skin use cases

Different
Screen
Sizes



Different
Screen
Densities



Different
Input
Methods

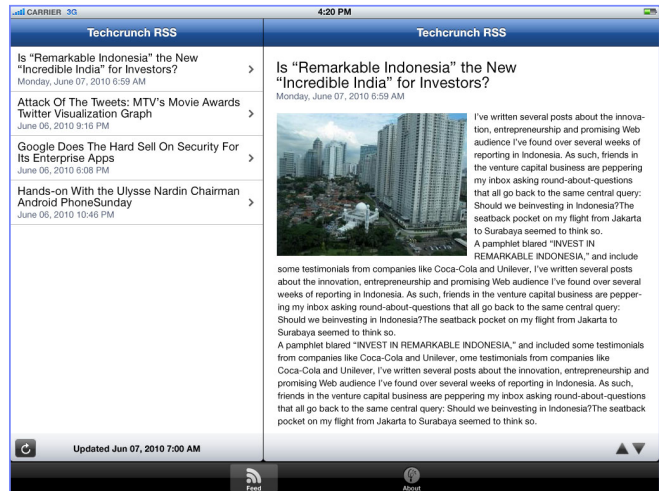
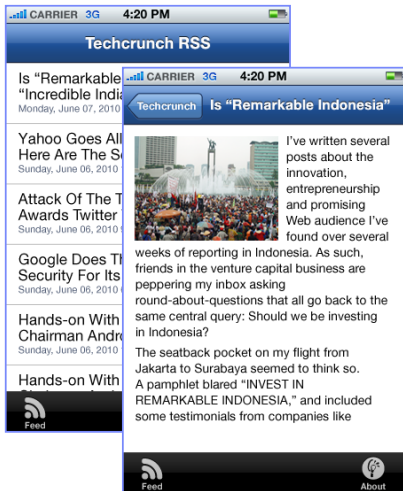


Support
for
HTML5



Example: Substantially different screen sizes

- (iPhone versus iPad)

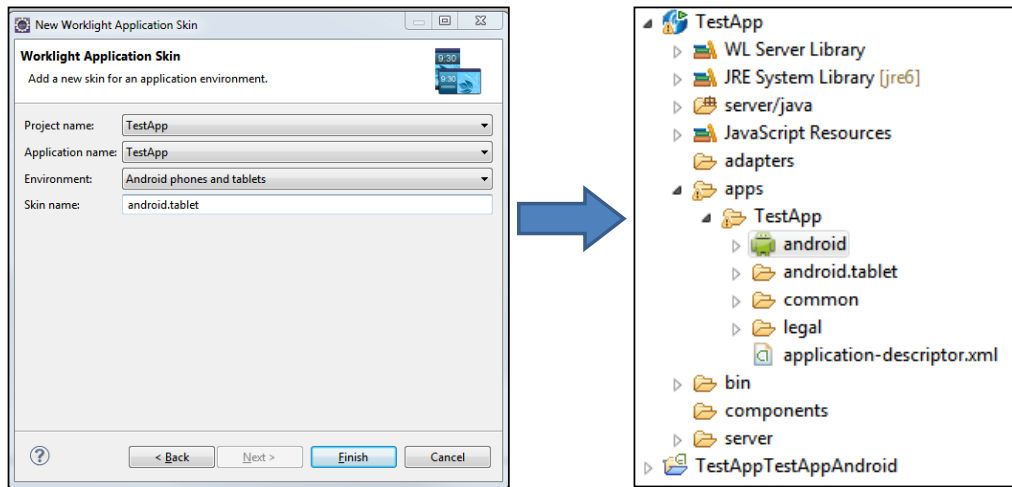


Agenda

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- Exercise

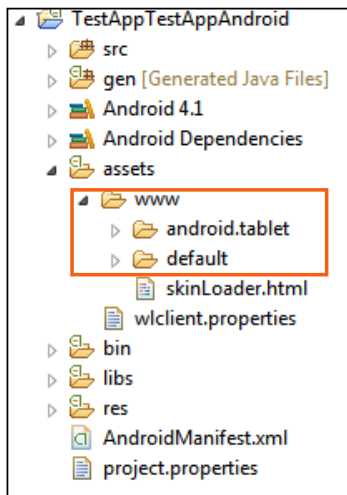
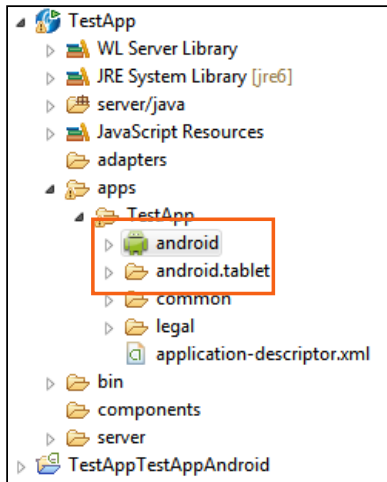
Skin creation

- Skins are created by using the Worklight® Skin wizard in directories adjacent to the corresponding environment directory.
- These directories contain HTML, CSS, and JS code.



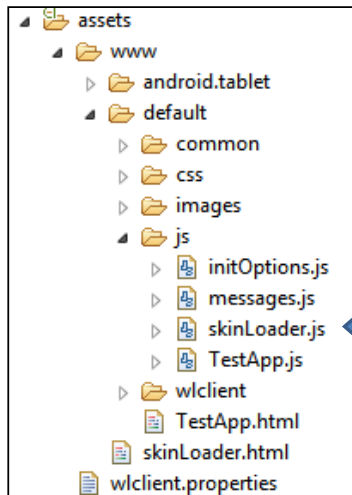
Skin packaging

- All skins for a specific environment are packaged within the app.



Applying skins at run time

- A special, developer-controlled JavaScript file is run at app startup.
- It determines which skin to load.
- The default skinLoader.js contains samples.



```
function getSkinName() {  
    var skinName = "default";  
    if (getVersion () == "2.2" ||  
        getVersion () == "2.1") {  
        skinName = "android.HTML5";  
    }  
    return skinName;  
}
```

Skin Registration

- Skins are automatically registered in the application descriptor.
- Registration determines the ordering of hierarchy between the common folder, environment and skin.
- Modify the application descriptor manually when a skin is deleted.

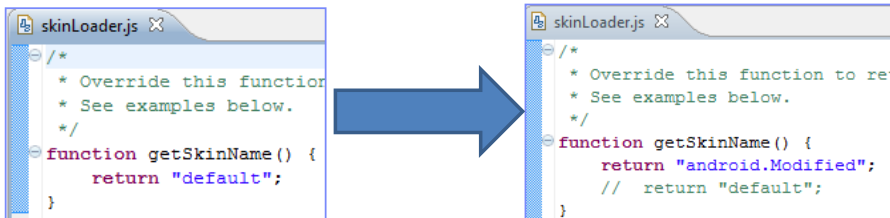
```
<android>
  <skins>
    <skin name="default">
      <folder name="common"/>
      <folder name="android"/>
    </skin>
    <skin name="android.phone">
      <folder name="common"/>
      <folder name="android"/>
      <folder name="android.phone"/>
    </skin>
    <skin name="android.tablet">
      <folder name="common"/>
      <folder name="android"/>
      <folder name="android.tablet"/>
    </skin>
  </skins>
</android>
```

Agenda

- What are skins?
- How do skins work?
- Exercise

Exercise

- Create an Android app with two skins: Default and Modified.
- The default skin should display the text “Hello World”.
- The modified skin should change the color of the text.
- Toggle skinLoader.js code to alternate between skins.



- 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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