



Mobile Web Applications

Dr. Philipp Hoschka

Deputy Director for Europe, W3C

The research leading to these results has received funding from the European Union's Seventh Framework Programme (FP7/2007-2013) as part of the MobiWebApp Project



W3C



- Founder/Director: Tim Berners-Lee
- Consortium
 - >320 members
 - Alcatel, AT&T, BT, Deutsche Telekom, Ericsson, DoCoMo, Orange, LG, Microsoft, Nokia, Samsung, Telecom Italia, Telefonica/O2, T-Mobile, Vodafone, WAC ...)
- Standards: HTML5, XML, Semantic Web, VoiceXML, Web Services ...

Mobile Applications



- Mobile applications popular
- But: Using native code
 - iPhone: Objective C
 - Symbian: C++
 - Android: Java
 - ...



symbian
foundation



Web Applications



- Beyond Hypertext
 - Gmail
 - Facebook
 - ...
- Built using HTML, CSS, Javascript
- “Great Unifier”
 - Supported by all browsers
 - Choice of OS becomes less relevant

Idea: Mobile Web Apps



- Promises
 - Overcome mobile OS fragmentation and App store fragmentation
 - More developers available
- Need to extend Web platform with new standards

Upcoming Standards



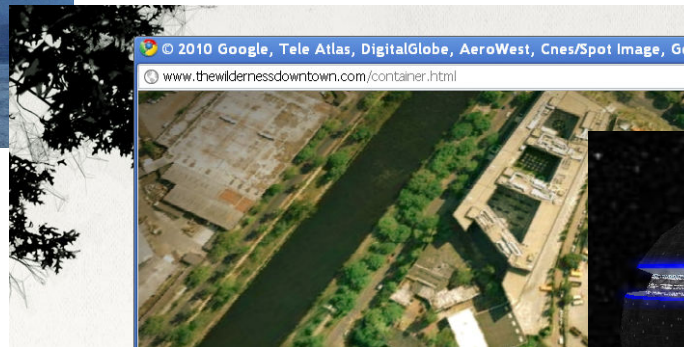
- Device Access and Policy
 - Camera, microphone access, sending message...
 - Rules for privacy+security
- Geolocation
- W3C Widgets
- Voice Input
- HTML5
 - Offline storage, operation
 - Media: Video, Canvas, SVG, ...



Web Platform Media Demos



- <http://www.thekillersmusic.com>
- <http://www.thewildernessdowntown.com/>
- 3D: Flight of the navigator



Conclusion



- Web is quickly becoming fully functional mobile app platform
 - Same for media
- Support by many major players
- Removes current platform fragmentation issues
- Learn from the desktop!
- Next Frontier: TV, Automotive, ...

Getting Involved



- Join W3C!
- Participate/follow working groups
- Contact: ph@w3.org

The research leading to these results has received funding from the European Union's Seventh Framework Programme (FP7/2007-2013) as part of the MobiWebApp Project



Photo Credits



- <http://www.flickr.com/photos/daveynin/>
- Scott Beale / Laughing Squid,
laughingsquid.com
- <http://www.flickr.com/photos/netzkobold>
- <http://www.flickr.com/photos/ndevil>
- <http://www.flickr.com/photos/maxroam/>