Mobile Web Applications

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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
  - ...
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

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