

Razvoj AIR mobilnih aplikacija



15.03.2011.
MAMA, Zagreb



Razvoj AIR mobilnih aplikacija

- Alati za razvoj
- Ciljane platforme
- Razvoj Android AIR aplikacija
- Razvoj BlackBerry PlayBook aplikacija
- Kontrola pogreški
- Poboljšanje performansi



Cilj razvojne platforme

- Početak priče – OpenScreenProject
- Osnova razvoja – Flash ActionScript i Flex Hero
- Runtime – AIR 2.5+

- Android OS, BlackBerry PlayBook, iOS



BlackBerry PlayBook



Procesor: 1GHz Cortex-A9 dual core
Memorija: 1GB RAM
Kamera: 5MP
OS: BlackBerry Tablet OS (QNX)
Disk: 8GB, 16GB, 32GB?

Dimenzije: 130mm x 194mm x 10mm
Ekran: 7" LCD display
Rezolucija: 1024 x 600 screen resolution
Težina: 400g
Povezivost: Wi-Fi® 802.11 a/b/g/n , mini USB/HDMI

BlackBerry PlayBook



- Podrška za HTML 5
- Simetrični multiprocessing
- Podrška za H.264, WMV
- Flash Player & AIR support
- Java support

Alati za razvoj AIR aplikacija






- Razvoj Android aplikacija
 - Flash Builder Burrito (Flex 4.5)
 - Android OS 2.2 (Froyo)
- Razvoj BlackBerry PlayBook aplikacija
 - Flash Builder Burrito
 - BlackBerry PlayBook Tablet SDK Beta 2
 - BlackBerry PlayBook Tablet Simulator Beta 2
- iOS
 - Flash Professional CS5
 - ...



AIR aplikacija za Android OS

1. Postavke Flex projekta
2. Korištenje MobileItemRenderera
3. View komponente
4. Action Bar
5. Povezivanje na funkcije uređaja
6. Poziv web servisa
7. Korištenje SQLite baze



Employee Details	
	<p>Kathleen Byrne Sales Representative Sales Boston, MA</p>
Call office 617-000-0010	
Call mobile 781-000-0010	
SMS 781-000-0010	
Email kbyrne@fakemail.com	
View manager Ray Moore	

Debuggiranje na Androidu

- Konfiguracija testne okoline
 - Flex Hero Debugging
- Uređaj mora podržavati Adobe AIR 2.5 (Android OS 2.2+)



AIR i native procesi

- internet access
- GPS functionality
- writing on external storage
- mute audio and handling audio level
- access keyboard/screen lock control
- camera access
- audio record
- network status



AIR aplikacija za BlackBerry PlayBook

- BlackBerry Tablet SDK
 - Razvoj na Flex Hero i QNX komponentama
- BlackBerry Tablet Simulator
 - VmWare image
 - Sadrži osnovnu funkcionalnost



AIR aplikacija za BlackBerry PlayBook



The screenshot displays a mobile application interface with a dark grey background. At the top, there is a header bar with a home icon on the left and the text "Employee Details" in the center. Below the header, there is a profile section for Steven Wells, featuring a cartoon illustration of a man with a beard and a red baseball cap with a white 'A' on it. To the right of the illustration, the text reads: "Steven Wells", "Software Architect", "Engineering", and "Boston, MA". Below the profile section, there are three rows of contact information, each with a corresponding icon on the right:

- Call office**: 617-000-0012, with a blue phone icon.
- Call mobile**: 781-000-0012, with a blue phone icon.
- SMS**: 781-000-0012, with a green speech bubble icon containing a smiley face.



BlackBerry PlayBook i AIR

- BlackBerry® Tablet OS SDK Beta2 for Adobe® AIR®
 - <http://us.blackberry.com/developers/tablet/>
- BlackBerry® PlayBook™ Simulator Beta
 - [VmWare Simulator](#)
- Objava aplikacije na BlackBerry AppWorldu
 - <http://us.blackberry.com/developers/appworld/distribution.jsp>
- Upute za developere
 - <http://us.blackberry.com/developers/tablet/devresources.jsp>

Kako osvojiti PlayBook

- Još uvijek možete osvojiti PlayBook
- Razvijte vlastitu AIR aplikaciju za PlayBook
- Natječaj:
 - http://us.blackberry.com/developers/tablet/playbook_offer.jsp
- Pravila natječaja:
 - traje od 7.12.2010. do 31.03.2011.
 - registracija na AppWorld
 - jedan tablet po developeru
 - karakteristike aplikacije:
 - nije browser ili redirect aplikacija
 - nije jednostavna aplikacija
 - nije jaaako slična postojećim aplikacijama
 - nagrada: PlayBook 16GB

BlackBerry PlayBook i AIR

- Signing aplikacije
- Potpisivanje aplikacije javnim i privatnim ključem
- Novost za Android developere
- Preporuka za početnike

[10 Easy Steps to Package and Sign PlayBook AIR application](#)

Optimizacija Flex rješenja

- Koristite MobileItemRenderer ili ActionScript
- Koristite FXG za skinning
- TLF support čeka bolje dane
- Spark (Hero) komponente DA, Halo NE
 - Iznimka su charting komponente i Spacer

To bi bilo to!

<http://www.zgflex.org>