

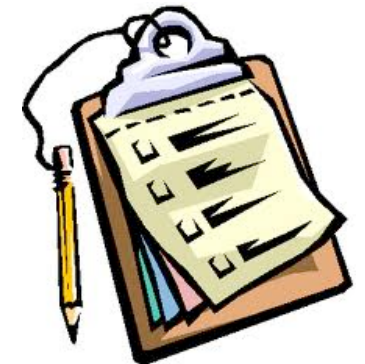
CiviMobile & CiviSync Mobile

Peter McAndrew
Rohit Thakral



Agenda

- ❖ Why to?
- ❖ How to?
- ❖ What to?
- ❖ Introduction to CiviMobile
 - What the app looks like today?
 - How does it work?
 - How to install and test?
 - What goes in the mix?
- ❖ Introduction to CiviSync Mobile
 - What the app looks like today?
 - How does it work?
 - How to install and test?
 - What goes in the mix?
- ❖ Challenges and Next Steps





Who am I – Rohit Thakral

❖ Rohit Thakral, Target Integration

- Working with Open Source Software for last 8 years, expert in Open Source Business Management applications. CiviCRM since 2.0
- Target Integration is located in Dublin and have development office in New Delhi
- Work with OpenERP, vtiger CRM and Sugar CRM



targetintegration



Who am I – Peter McAndrew

- ❖ Peter McAndrew, Third Sector Design
 - Working with CiviCRM for last 15 months as a developer
 - Developing CiviMobile for the last 9 months
 - Just Graduated from City University – Computer Science – placement degree.



Why Mobile Compatibility?

- ❖ If you are still wondering why mobile compatibility then the answer is probably in your hands and pockets.
- ❖ How many people here have Smart Phones and/or Tablets and Or Both?
- ❖ UK now has above 50% population who have smart phones ~ 30m devices





OK I am convinced... so what do we do now?

❖ Two Options

- Mobile App
- Mobile Web



- ❖ There are a number of reasons to go for the mobile app and a number of others for a web app

Number of mobile platforms

bada

symbian



ios



Windows
Phone

Put people first.

 **BlackBerry**[™]

 webOS



Mobile App or Mobile Web

	Device Access	Speed	Development Cost	App Store	Approval Process
Native	Full	Very Fast	Expensive	Available	Mandatory
Hybrid	Full	Native Speed as Necessary	Reasonable	Available	Low Overhead
Web	Partial	Fast	Reasonable	Not Available	None



That's why I was saying Mobile Web is a good idea...

❖ It is quicker to develop as you need to know already popular languages e.g.

- HTML5
- JavaScript
- CSS



JavaScript






CiviMobile



More about CiviMobile

- ❖ A web app
- ❖ Initially built as a drupal module - Now an extension in progress 
- ❖ Based on the jQueryMobile platform
- ❖ What features?
 - Event check-in
 - Survey
 - Contacts



Where did it come from and where is it going?

- ❖ CiviMobile was born as a drupal Module
- ❖ Initially developed by Kyle and Xavier
- ❖ CiviCon 2011 and sprints
- ❖ Took over and rebuilt module for Uni project
- ❖ It is now an extension which means that it is CMS and mobile agnostic
- ❖ By the community, room to get involved



What's under the hood?

- ❖ jQueryMobile framework (HTML5, jQuery)
- ❖ Works with any* smartphone
- ❖ A Drupal module => extension





jQueryMobile compatibility

- ❖ A-GRADE: Apple iOS 3.2-5.0, Android 2.1-2.3, Android 3.1 (Honeycomb), Android 4.0 (ICS), Windows Phone 7-7.5, Blackberry 6.0, Blackberry 7, Blackberry Playbook (1.0-2.0), Palm WebOS (1.4-2.0), Palm WebOS 3.0, Firebox Mobile (10 Beta), Skyfire 4.1, Opera Mobile 11.5, MeeGo 1.2, Samsung bada 2.0, UC Browser, Kindle 3 and Fire, Nook Color 1.4.1, Chrome Desktop 11-17, Firefox Desktop 4-9, Internet Explorer 7-9, Opera Desktop 10-11
- ❖ B-GRADE: Blackberry 5.0, Opera Mini (5.0-6.5), Nokia Symbian^3
- ❖ C-GRADE: Blackberry 4.x, Windows Mobile, All older smartphone platforms and featurephones

Challenges

- ❖ Learning jQueryMobile that's not just language.
- ❖ How you make the app useful. Which fields do you include which ones do you leave out





Keeping it useful

- ❖ It soon became apparent that creating a contact with:
 - first name
 - last name
 - email
 - phone
- ❖ might not be that useful to everyone...
- ❖ How do you solve this?



Profiles

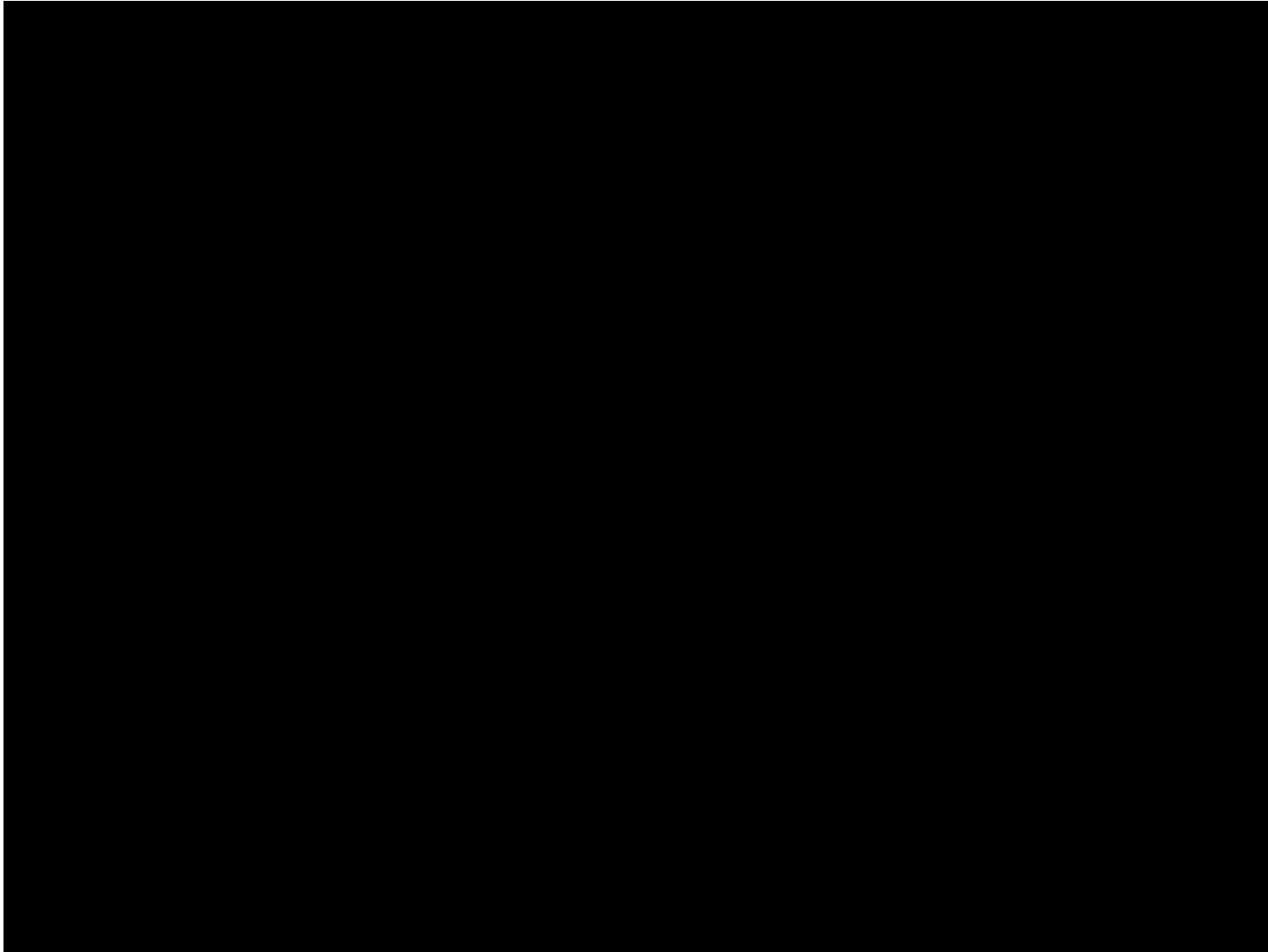


Demo of the Web App...

- ❖ If you have a mobile device please go to:
 - bit.ly/civimob
- ❖ We'll also have a look at the code and structure of the app



User Testing





Pros & Cons

- ❖ You can't use any native functions of the device
- ❖ Web app cannot work without an internet connection
- ❖ And then there are three CMS (Drupal, Joomla and WordPress)



That's where I thought Mobile App will be a better idea..

- ❖ We could have avoided all of these problems by developing mobile apps..
- ❖ but problem with mobile apps is...
 - It will actually mean supporting at least 3 platforms
 - iPhone
 - Android
 - Windows Mobile
 - Blackberry
 - of course it will be expensive to develop the apps as well



But there is a solution...



Phone**Gap**



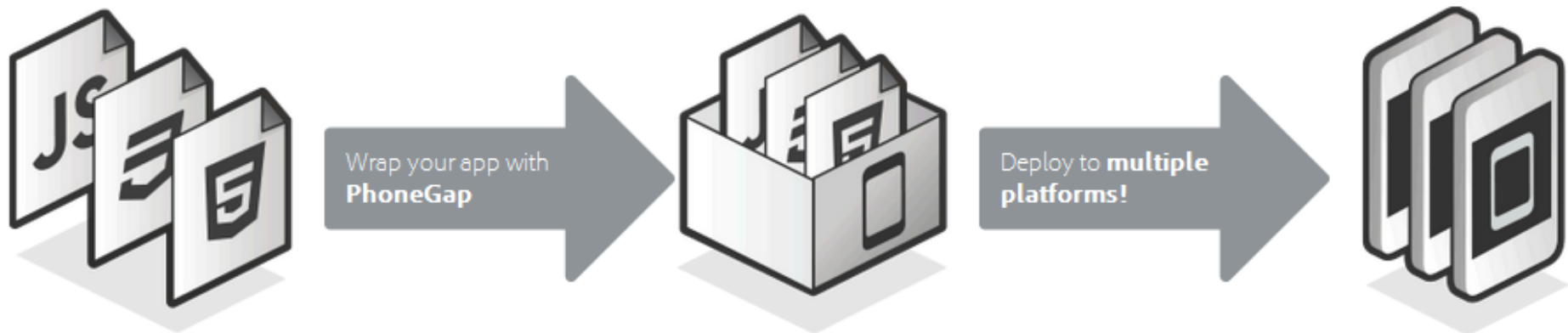
CiviSync Mobile



- ❖ Native App for Android
- ❖ The app was released sometime back and was using a custom developed API by Target Integration
- ❖ New CiviSync Mobile
- ❖ Works with the native API and hence will work out of box almost ;-)

Introduction to PhoneGap

- ❖ Open Source framework for building cross-platform mobile applications with HTML, CSS, and JavaScript





PhoneGap 2

bada

symbian



ios



**Windows
Phone**

Put people first.

BlackBerry™



webOS



PhoneGap 3

- ❖ Ability to interact with mobile device's hardware features
- ❖ Accelerometer, Camera, Capture, Compass, Connection, Contacts, Device, Events, File, Geolocation, Media, Notification, Storage



Let's get started...

❖ Install

- Download from Google Play or www.targetintegration.com

❖ Give Access

- admin/target
- Site Key:
d56e87bb0c19a9a9bf9ad37384e07397

❖ Login



Challenges

- ❖ Fitting it for various mobile device screen sizes
- ❖ Porting to Other Platforms
- ❖ API



Questions & Answers



Further interest

❖ CiviMobile is a git repository available here:

- <http://bit.ly/civimobilerepo>

❖ CiviSync Mobile

- www.targetintegration.com



Thank you & Contact Us

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Questions & Answers