

MDCS Support Tool

NOMAD Workshop, Mach 2012



Introduction

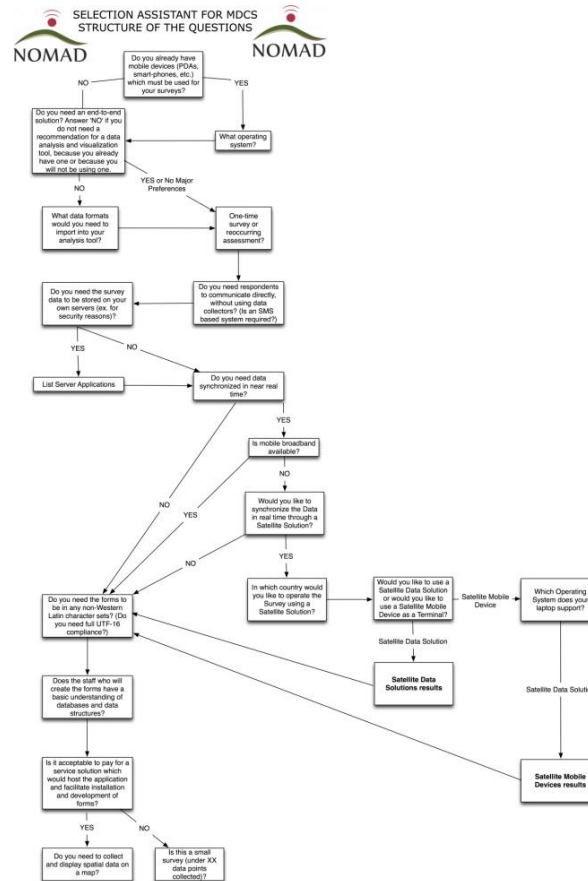
- Background
- Decision Tree
- Implementation
- Interface

Background

- Research
 - The research identified and described existing mobile data collection systems
- Website created by CartONG
 - The template and website style established by CartONG



Decision Tree



Implementation

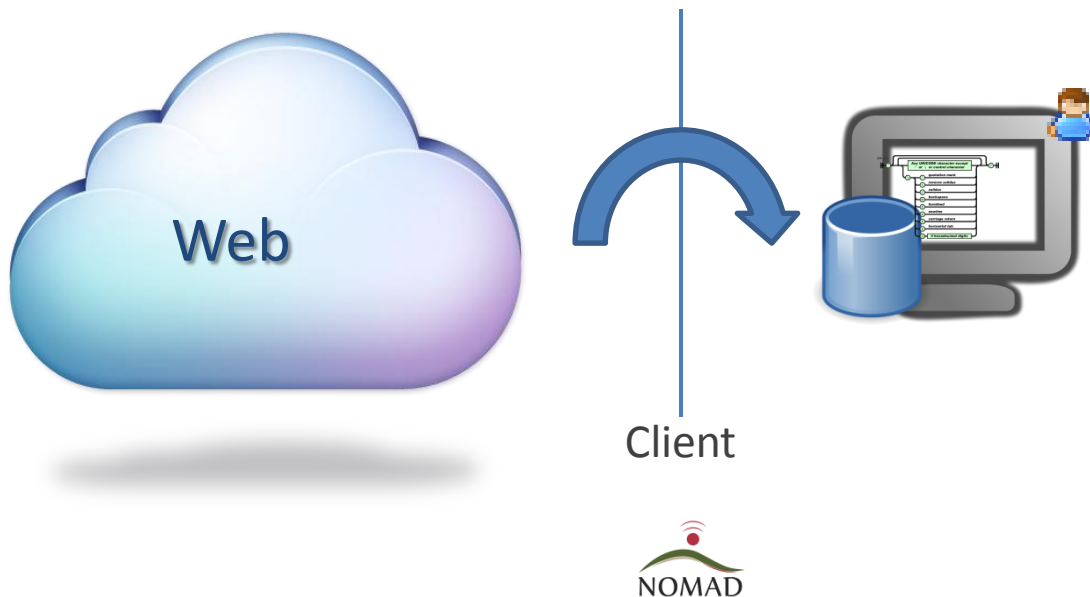
- WordPress
 - HTML, CSS and JavaScript



WORDPRESS

Implementation

- Client Based System
 - To increase user experience (**speed*)
 - JavaScript Object Notation (JSON)



Implementation

- User Input
 - JSON
- Decision Tree
 - JSON
- Decision Tool
 - JSON

```
public LogicFilter(userInput) {  
    if (decisionTool != userInput) {  
        Logic filter based on user input and JSON  
        arrays to determine  
        • Filter on tool list  
        • Previous/next options  
    }  
}
```

Implementation

- `dumpdf`
 - On the fly PDF

`dumpdf`

Interface

- Interactive forms including sub-list and navigation



Question List (Left):

- Question 1
- Question 1a
- Question 2
- Question 2a
- Question 3
- Question 4
- Question 5
- Question 5a
- Question 6
- Question 6a
- Question 7
- Question 7a
- Question 8
- Question 8a
- Question 9
- Question 10
- Question 11
- Question 12

Question Q1a: Select the operating system(s)...

Android

Apple iOS

Blackberry OS

Symbian OS

Windows OS

Other:

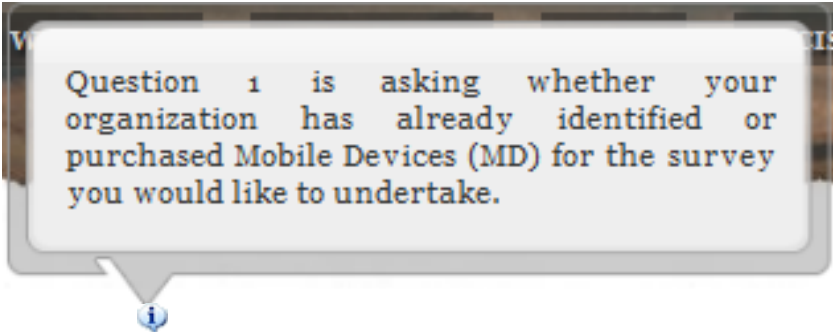
Mobile Solutions (15) (Right):

- Acquee
- do Forms
- EpiCollect
- EpiSurveyor
- Global Relief
- Imogene
- Kobo
- Majella
- Nokia
- Oasis
- Open Data Kit
- OpenX
- Pendragon
- ViewWorld
- Voxia

Continue (Button)

Interface

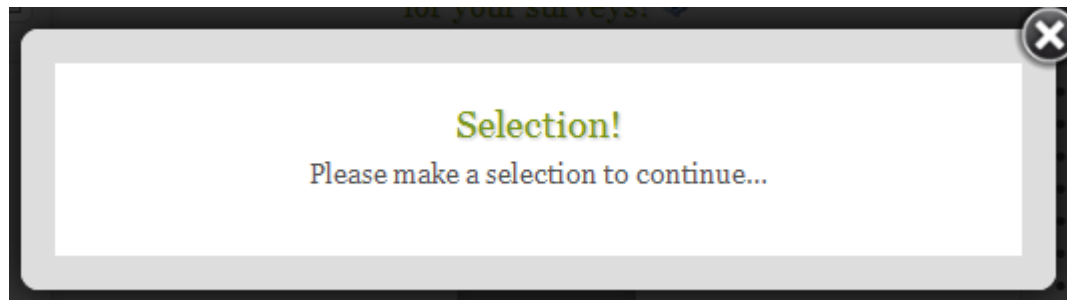
- Question tool-tips



Question 1 is asking whether your organization has already identified or purchased Mobile Devices (MD) for the survey you would like to undertake.

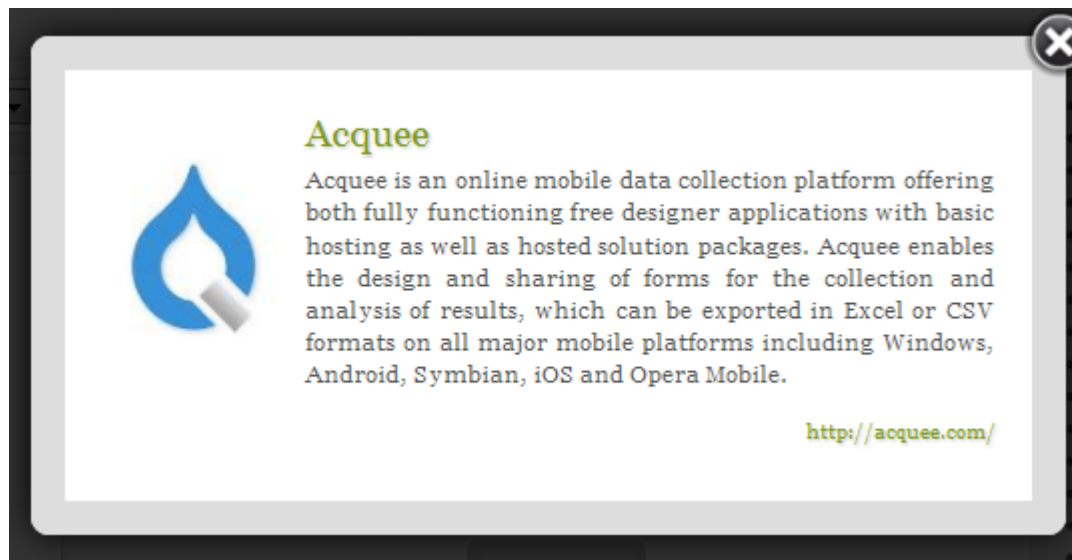
Interface

- Form validation with pop-up



Interface

- Instant access to details on mobile devices



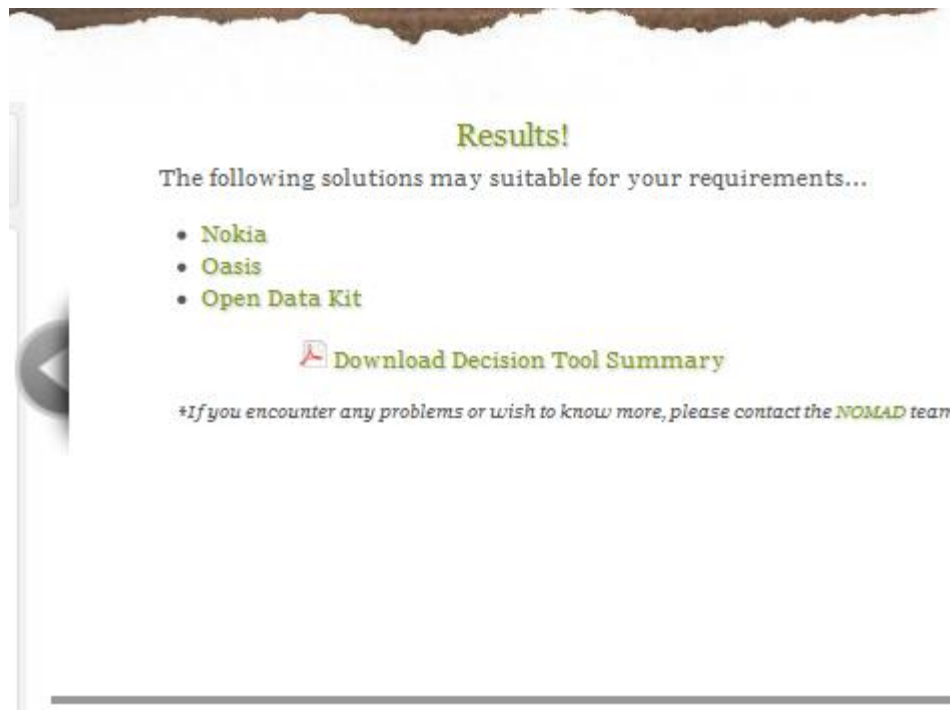
Acquee

Acquee is an online mobile data collection platform offering both fully functioning free designer applications with basic hosting as well as hosted solution packages. Acquee enables the design and sharing of forms for the collection and analysis of results, which can be exported in Excel or CSV formats on all major mobile platforms including Windows, Android, Symbian, iOS and Opera Mobile.

<http://acquee.com/>

Interface

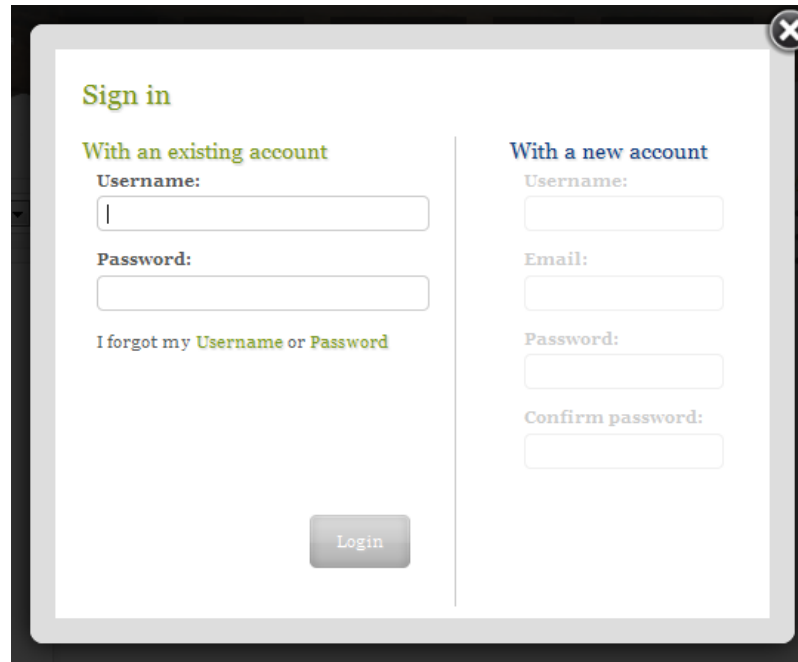
- Summary results via PDF



The screenshot shows a web interface with a white background and a dark border. At the top, the word "Results!" is displayed in a green, bold font. Below it, a line of text reads "The following solutions may suitable for your requirements...". A bulleted list follows, containing three items: "Nokia", "Oasis", and "Open Data Kit", all in green text. Below the list is a button with a red PDF icon and the text "Download Decision Tool Summary" in green. At the bottom of the screenshot, a line of italicized text reads: "*If you encounter any problems or wish to know more, please contact the **NOMAD** team."

Interface

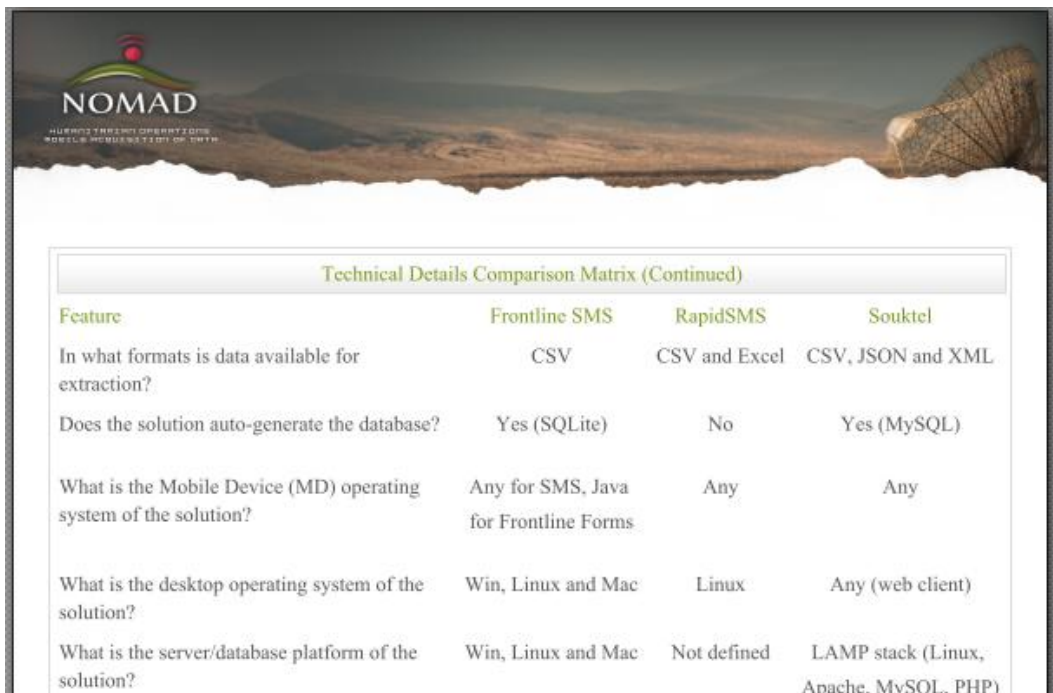
- Registration for access to PDF



The screenshot shows a web interface for signing in or creating a new account. It is divided into two columns by a vertical line. The left column is titled "Sign in" and contains a sub-section "With an existing account" with fields for "Username:" and "Password:". Below these fields is a link "I forgot my Username or Password". A "Login" button is positioned at the bottom center of the left column. The right column is titled "With a new account" and contains fields for "Username:", "Email:", "Password:", and "Confirm password:". The interface is enclosed in a grey border with a close button (X) in the top right corner.

Interface

- PDF download



Technical Details Comparison Matrix (Continued)

Feature	Frontline SMS	RapidSMS	Souktel
In what formats is data available for extraction?	CSV	CSV and Excel	CSV, JSON and XML
Does the solution auto-generate the database?	Yes (SQLite)	No	Yes (MySQL)
What is the Mobile Device (MD) operating system of the solution?	Any for SMS, Java for Frontline Forms	Any	Any
What is the desktop operating system of the solution?	Win, Linux and Mac	Linux	Any (web client)
What is the server/database platform of the solution?	Win, Linux and Mac	Not defined	LAMP stack (Linux, Apache, MySQL, PHP)

Outcomes

- Database and input system to maintain MDCS

