

Promedico for iPad

Real world case study on iPad
applications.

Requirements

- Small iPad application to show on a Fair
 - Look good
 - Show possibilities
 - Display patient files & medication history
 - Work on the existing environment & data
 - Visual DataFlex
 - SQL

Choices made

- **Native application**
 - Harder and more expensive to develop
 - No experience within DAW
 - Requires Apple machines
 - Way too expensive



- **AJAX Library Application**
 - Easy to develop
 - Looks too much like an web application
 - Not exciting enough
- **JQuery Mobile**
 - Looks like a mobile application
 - Not enough advanced components
 - Slow
 - Technique not mature enough



- **Sencha Touch**

- Looks like an **iPad** application
- Advanced components
 - Panels
- Feels smooth and fast
 - Application in a Page
- Good experience with Sencha frameworks
- Everybody became excited



Native Look and Feel

- Panels
 - Floating and docked
- Elastic scrolling
- Rotating changes UI
- Run full screen
- Home screen icon
- Splash screen



Example

- Example live on the iPad
 - Please don't use the Internet Connection!
- Alternative
 - <http://localhost/promedicoipad/>

Technique

- Application in a Page
 - Complete application loaded at once
 - Switching screens means switching 'Panels'
- GUI defined in JavaScript
 - Use Sencha Touch classes to define UI
 - JSON Like panel definition
 - JavaScript objects 'render to HTML'

Technique

- Data loaded with AJAX Calls
 - Visual DataFlex Web Application
 - JSON used to return data
- Extended Sencha Touch grid for column sorting

Implementation

- Get a general idea of what the code looks like
- Webservice
 - <http://localhost/promedicoipad/webservice.wso>

QUESTIONS?

We will be around and would be happy to answer any specific questions you may have...

THANKS!