Mobile Devices

- Tablets
- Phones
- Touch screen
- On-screen keyboard
- Limited screen space
Strategies

Native
• Access local API’s
• Offline capability
• Best user experience
• Platform dependent

• Unknown environments
  ◦ IOS (Objective C)
  ◦ Android (Java)
  ◦ Windows 8 (C#)

Browser
• Single source
• Centralized maintenance

• Known environment
  ◦ HTML & CSS
  ◦ JavaScript
Browser Frameworks

- Written in JavaScript
- Access DataFlex Web Services
- Use frameworks
  - Sencha Touch
  - jQuery Mobile
  - DHTMLX Touch
  - Dojo Toolkit
Responsive Layout

- Layout that adjusts to the horizontal space
  - Navigation changes
  - Items reposition
  - Items resize
  - Items disappear
Phonegap / Cordova

- Wraps a Browser App into a Native App
- Access native API’s from JavaScript
- Generate for multiple platforms
Technology Stack

DataFlex WebApp Framework
jQuery
Sencha Touch
Android / IOS

DataFlex WebServices (JSON / XML)

DataFlex WebApp Server

SQL Database
Mobile/Touch in DataFlex 18.1
New mobile/touch application style

- Extension of the WebApp Framework
- Optimized for mobile, tablet and desktop
- Improved navigation
- Responsive technology
- Great design
Drill-down model

- Drill-down by making selections
  - Select Views
  - Zoom views
- Automatic constraining
- Comprehensive API’s
- Integrated bread-crumb
- Change tracking when navigating back
Building a mobile application

- Contact Manager

Diagram:
- Contacts
  - Calls
  - Numbers
Desktop style is here to stay!

- Better suitable for large applications
  - Intricate interfaces dealing with many data elements
  - Designing touch friendly interfaces is limiting
- Faster data entry
  - Benefit from user directed interface
- Easier to convert windows applications
Overview

- Drill-down model
- Responsive technology
- Mobile style “Hamburger” menus
- Action menus
- Breadcrumb control
- Touch friendly lists
  - Momentum scrolling
  - Multi-line rows
- Optimized on-screen keyboard support
- New mobile / touch theme
- Templates & Wizards
Thank you for your time!

Questions?