



# SYNERGY 2015

SEATTLE, WA, USA

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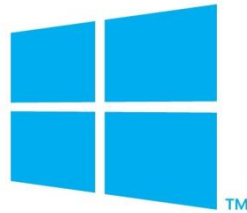
## Putting the Mobile Web to Work

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Presented by: Harm Wibier

# Mobile Devices

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



# Strategies

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## 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

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



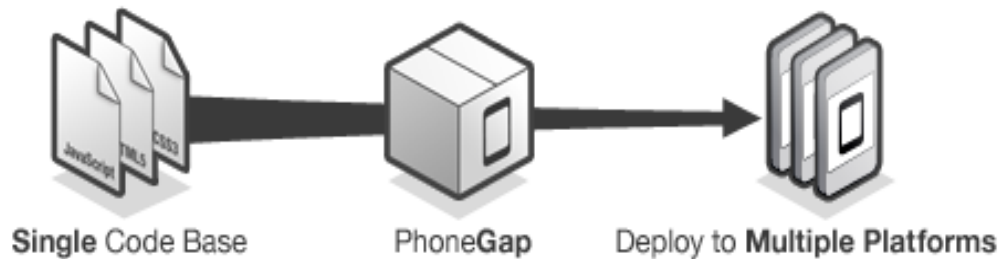
# Responsive Layout

- 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

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DataFlex WebApp Framework

jQuery

Sencha Touch

Android / IOS

DataFlex WebServices (JSON / XML)

DataFlex WebApp Server

SQL Database



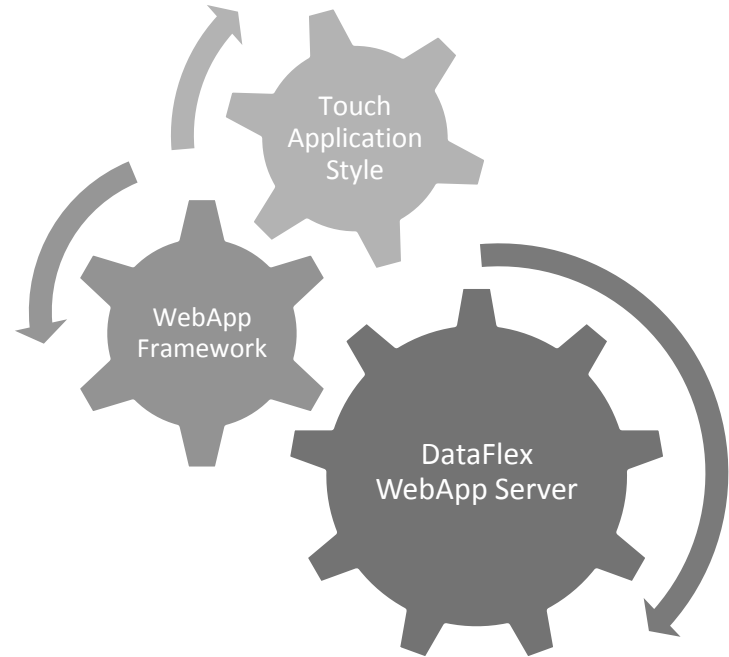
# Mobile/Touch in DataFlex 18.1

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# New mobile/touch application style

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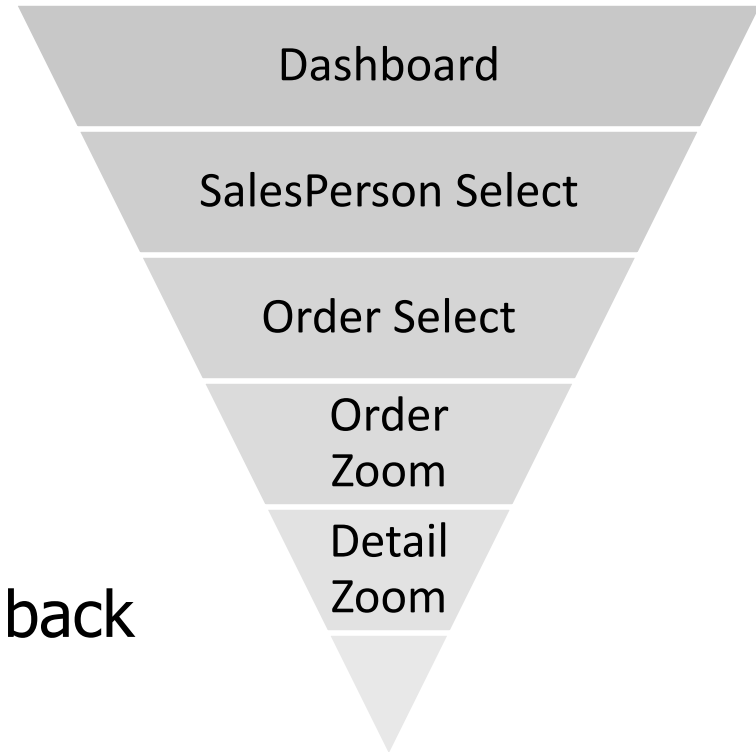
- Extension of the WebApp Framework
- Optimized for mobile, tablet and desktop
- Improved navigation
- Responsive technology
- Great design



# Drill-down model

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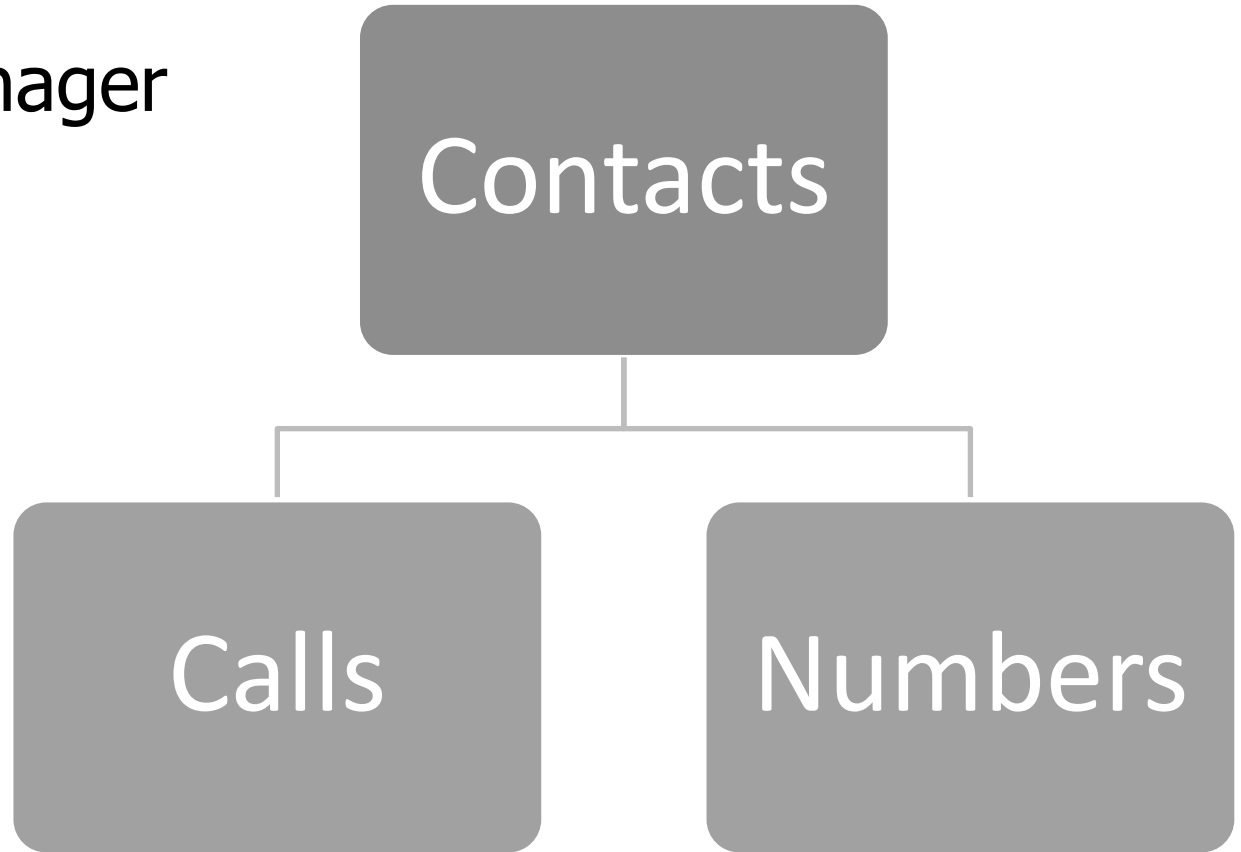
- Drill-down by making selections
  - Select Views
  - Zoom views
- Automatic constraining
- Comprehensive API's
- Integrated bread-crumb
- Change tracking when navigating back



# Building a mobile application

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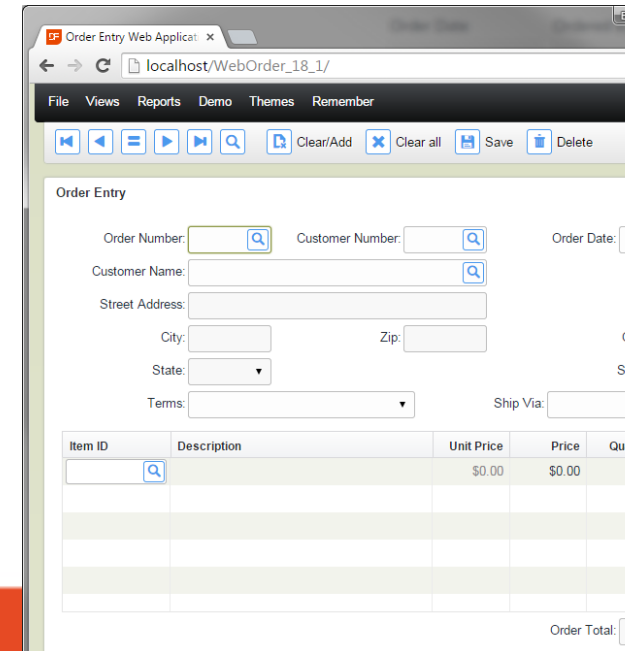
- Contact Manager



# Desktop style is here to stay!

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- 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

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- 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!**

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Questions?