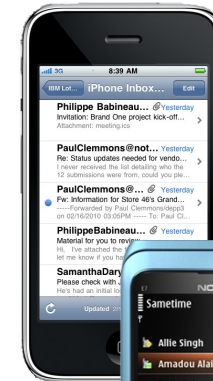
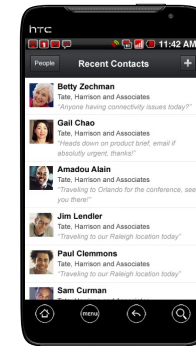




**Roman Květon**  
**IBM Collaboration solutions**

# Developing Exceptional Mobile Applications using IBM Web Experience Factory, Mobile Portal Accelerator and X-Work Server





## Agenda

- IBM Web Experience Factory – build web applications once and deploy for multiple devices
- IBM Mobile Portal Accelerator – extend your portal investments by on the fly rendering for over 7500 mobile devices
- X-Works Server – deliver mobility for Lotus Domino applications

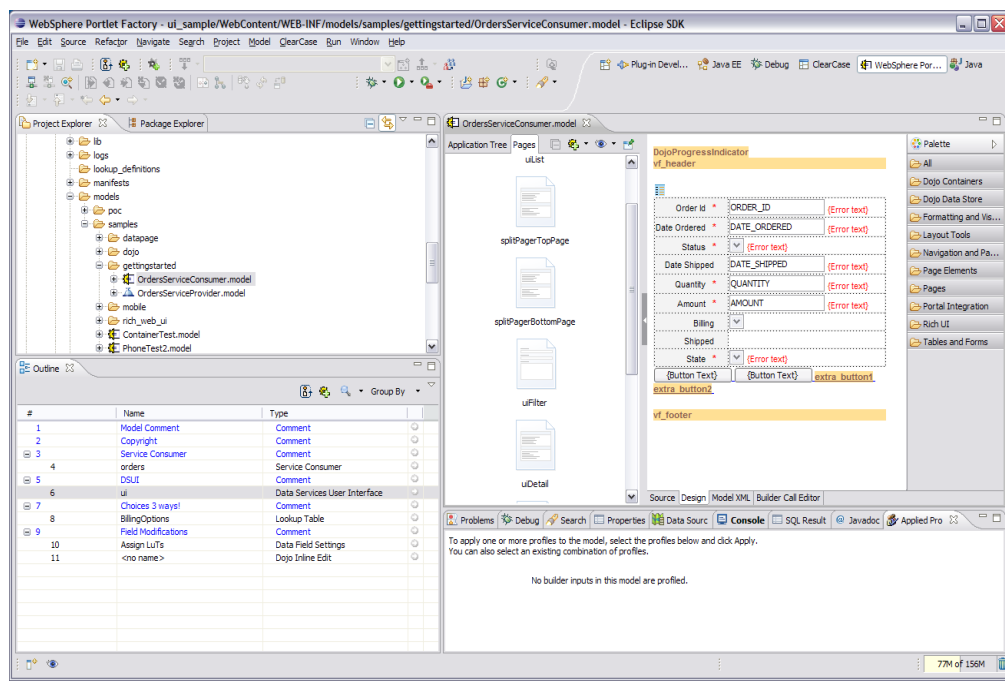


# IBM Web Experience Factory (formerly known as WebSphere Portlet Factory)

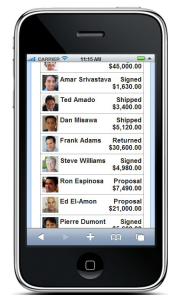
Use one common set of tools, techniques, application code (models)...

## Web Experience Factory

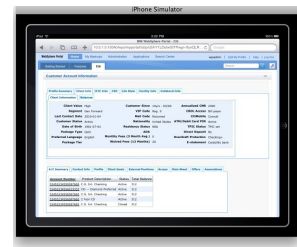
...and generate applications for multiple client devices



Desktop Browsers



Smartphones



Tablets

...deploy to multiple platforms...



WebSphere Portal



WebSphere Application Server



# Mobile Portal Theme - Control look and feel of mobile web site experience along with site and portlet navigation

Heather Reeds | Actions | Help | Log Out

Home Home Merchandising Finance Logistics Vendor Maintenance **Community** Search

### Blogs

Latest Entries

Sort By: Date | Title | Most Recommendations | Most Comments | Most Visits

- VT Living "buddies" for new suppliers** Ideation Blog | 2 votes  
Created By Betty Zechman | Updated May 6 | Tags: newbies, contacts, buddies
- More soothing music in the VT living stores** Ideation Blog | 0 votes  
Created By Ted Amado | Updated May 4 | Tags: customers, music, stores
- Viral Marketing idea - Dancing elephants** Ideation Blog | 9 votes  
Created By Samantha Daryn | Updated May 4 | Tags: viral, elephants, chairs, quality, marketing
- Becoming a supplier for VT Living** | 0 votes  
Created By Heather Reeds | Updated May 4 | Tags: onboarding, how-to, supplier
- Two legged Chairs Great for the Back?** Ideation Blog | 15 votes  
Created By WP Admin | Updated May 4 | Tags: chairs, back, 2-legged

Viewing 1 - 5 of 5

### Most Recent Documents

You are viewing: Supplier Files

Name	Modified	Modified By
Routing and Shipping Guides	04/30/2011	CSUITE\Administrator
EDI	04/30/2011	CSUITE\Administrator
Scheduling Forms	04/30/2011	CSUITE\Administrator
Co-Marketing materials	04/30/2011	CSUITE\Administrator

### Most Active Discussions

Sort by: Relevance

- What is Electronic Data Interchange or EDI? (2 replies) 10:30am
- Implementing EDI in a retail supply chain environment (5 replies) 9:13am
- Are there alternatives to EDI? (1 reply) Yesterday 4:25pm
- Advantages of EDI (3 replies) Jan 27

Edit View All

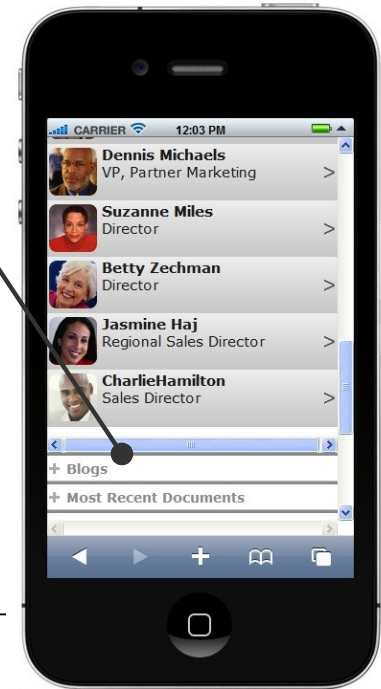
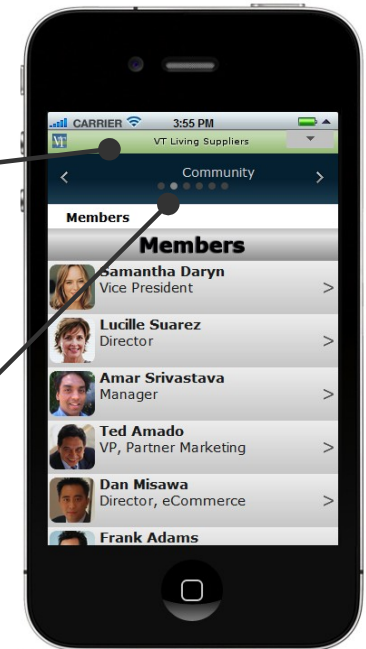
### Resources and Information

- Direct Store Delivery
- Distribution Center List
- Facility Hours of Operation
- Holiday Schedule

Look and feel of the mobile experience

Site navigation using common mobile interactions such as carousel, drill down and scrolling tabs

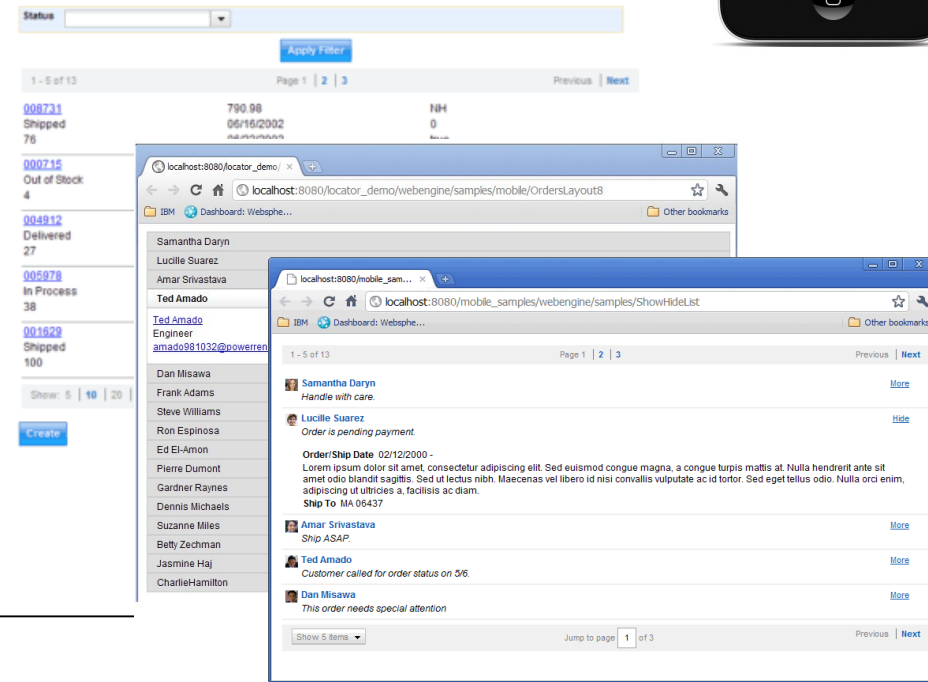
Page layout for presentation of page portlet navigation





# Data Layout builder

- The Data Layout builder morphs a table view into a variety of list layouts and patterns
- Supports thumbnail images and multi-line text
- A variety of layouts for both mobile and desktop devices are provided
- You can easily create new reusable layouts, by providing a simple HTML fragment and some CSS
- You can specify different layouts for different mobile device types



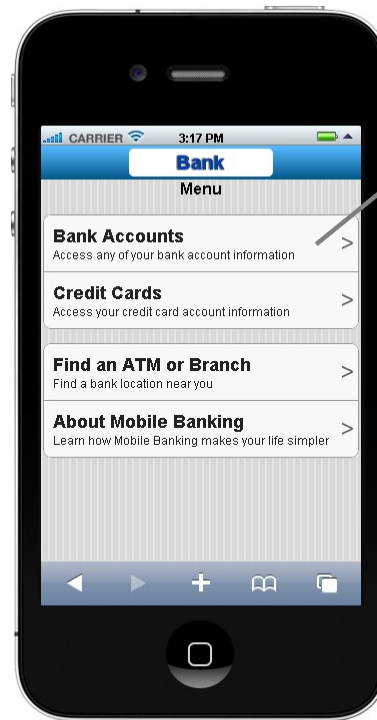


# Page Navigation builder

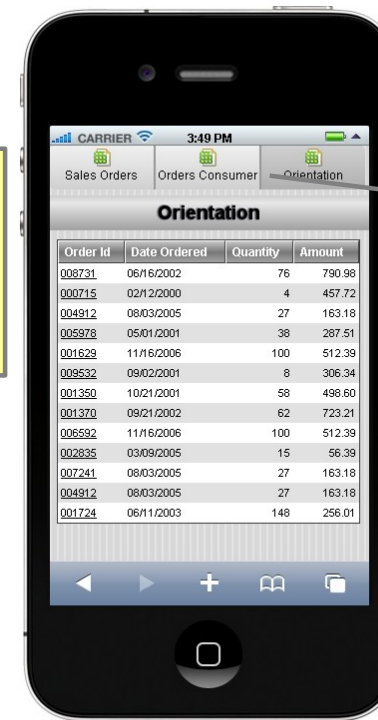
- Page Navigation builder creates navigation lists or tabs
- Optionally adds “back” navigation to target pages
- Choose from provided styles or apply your own CSS



Navigation lists



Navigation lists with grouping



Tabs



## Using HTML5 geolocation

- The Geolocation builder provides access to location data without coding
- Location data can be accessed in client Javascript or in server actions
- Apply the Geolocation builder to a page, then add an event handler for GeoLocationClient or GeoLocation event

The image shows the Geolocation builder interface on the left and a browser window on the right. A blue arrow points from the builder to the browser. The browser displays a weather forecast for a specific location.

**Geolocation Builder Properties:**

- Name: GovWeather
- Select Page: page1
- Event Type: Server
- Fetch on Initial Load:
- Position Options:
  - Enable High Accuracy:
  - Timeout: 5000
  - Maximum Age: 10000

**Browser Weather Forecast:**

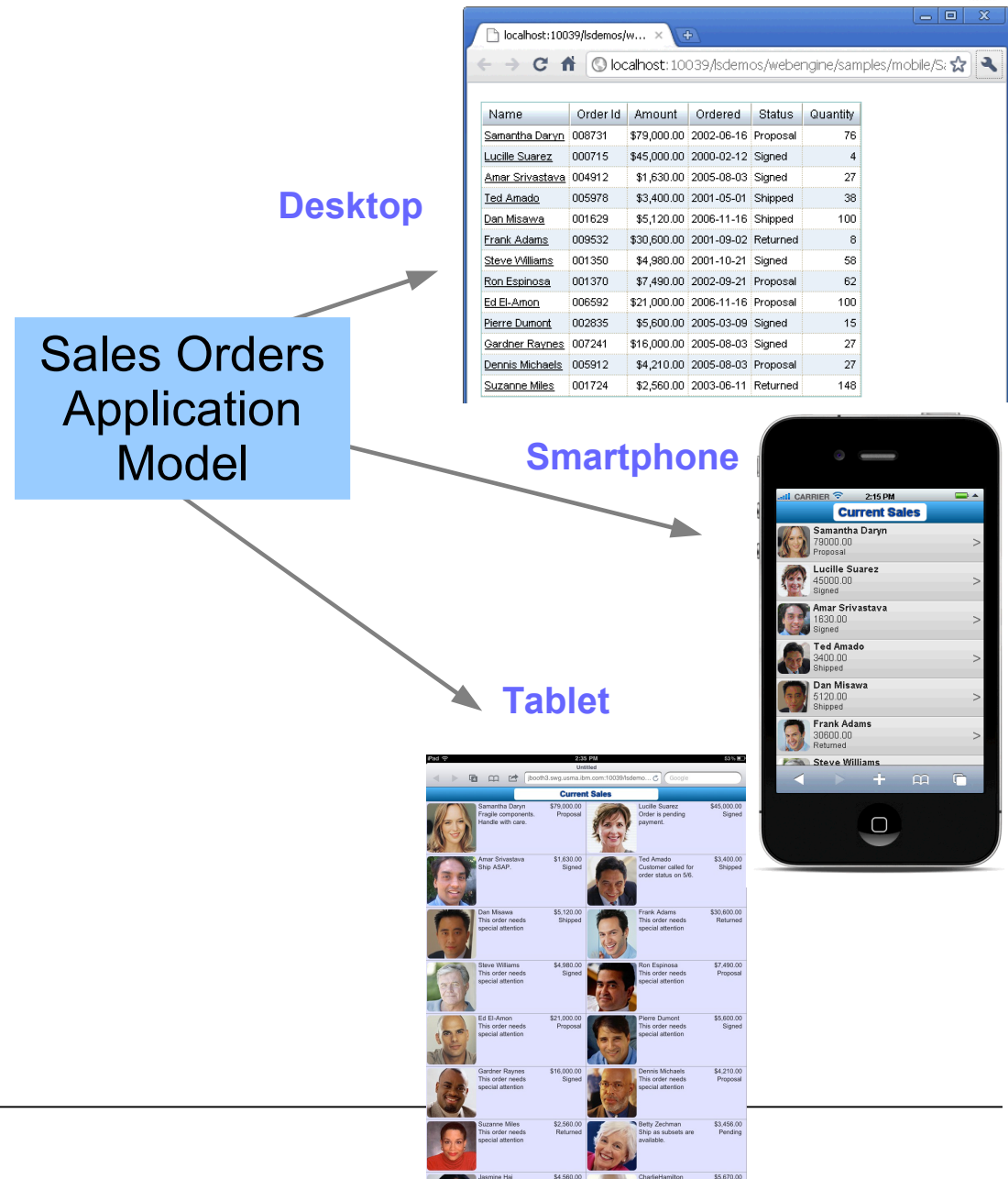
Short term weather forecast for		
Latitude	42.5498042	
Longitude	-71.4686187	
Today	Cloudy	48 - 67
Tomorrow	Chance Rain Showers	55 - 67

Refresh



# Using device type profiling for multi-channel rendering from a single code base

- With profiling, a single model can render differently based on the requesting device type
- Builders can be enabled and disabled by profile, or builder input values can be profiled
- Profiling for devices is easily extensible to support dynamic update of device information



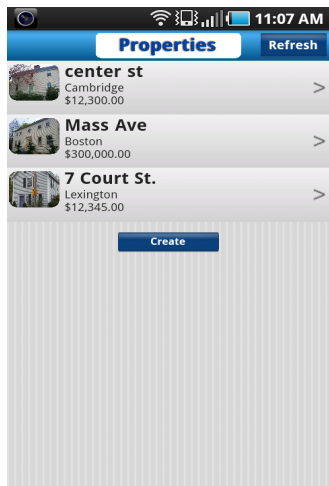




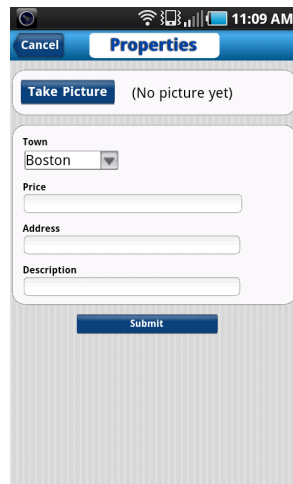
# Sample hybrid application using device camera built with Phonegap

- Hybrid applications can use Web Experience Factory tools for building views and forms for the application
- Phonegap can enable Javascript access to device features such as camera
- A sample and whitepaper is available on IBM developerWorks: “Building hybrid mobile applications with PhoneGap and IBM WebSphere Portlet Factory”

1. View list of properties and tap “Create” to add a property



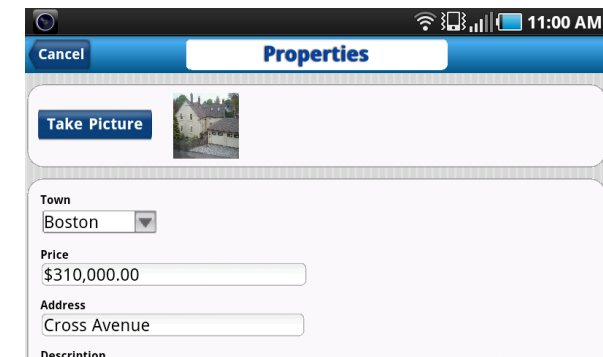
2. Tap “Take Picture” button from Web Experience Factory form



3. Point camera and tap to take picture



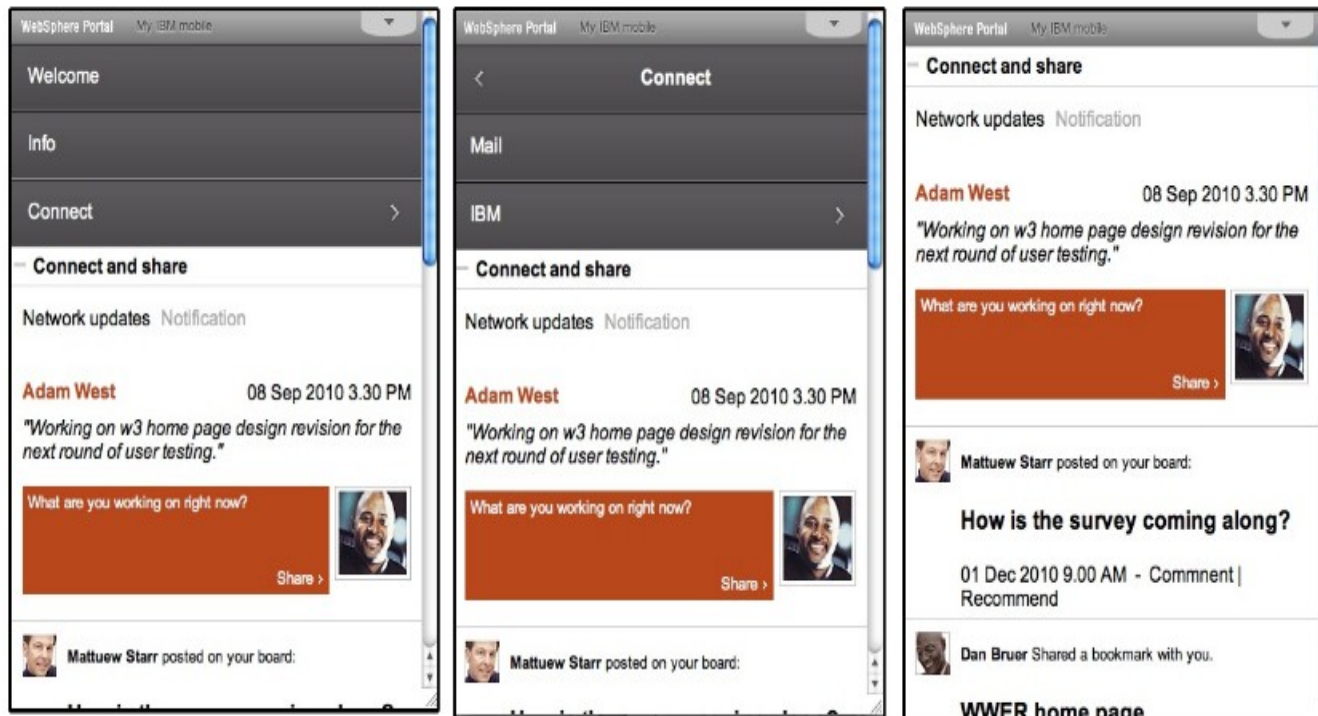
4. Review thumbnail and tap “Submit” to upload to Web Experience Factory server application





# IBM Mobile Portal accelerator

- Leverage your existing Webshere Portal investments
- Add mobile experience to your portal
- Currently more than 7500 devices supported (more coming – using Device update)
- Includes support for mobile Navigation, Gestures, Personalization, Social, Analytics, Content management and other Portal features





## X-Work Server

- Leverage your existing Notes Domino investments
- Add mobile experience to your applications

