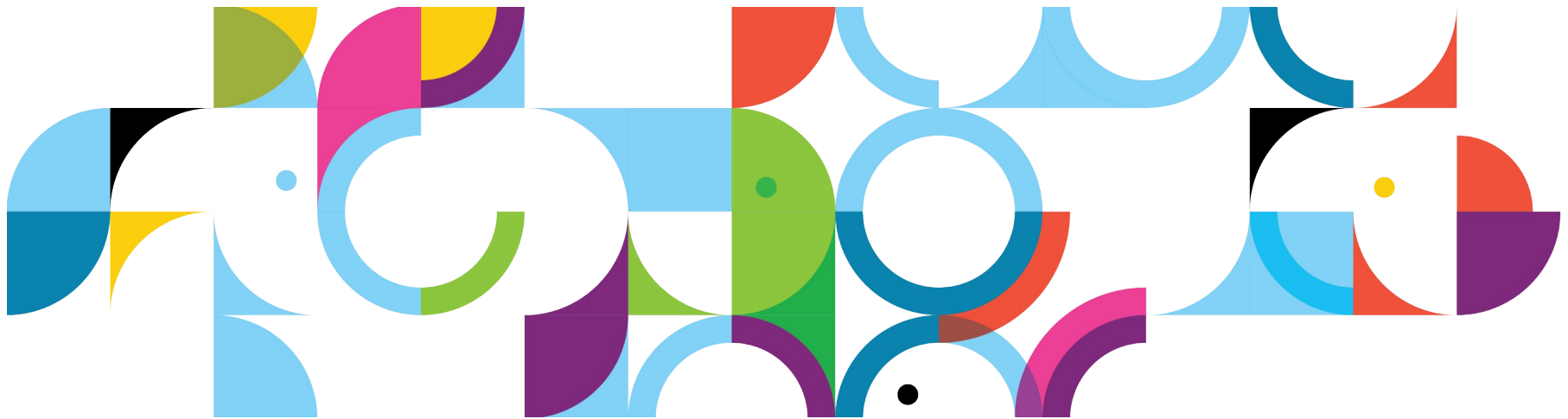


IBM Forms Experience Builder

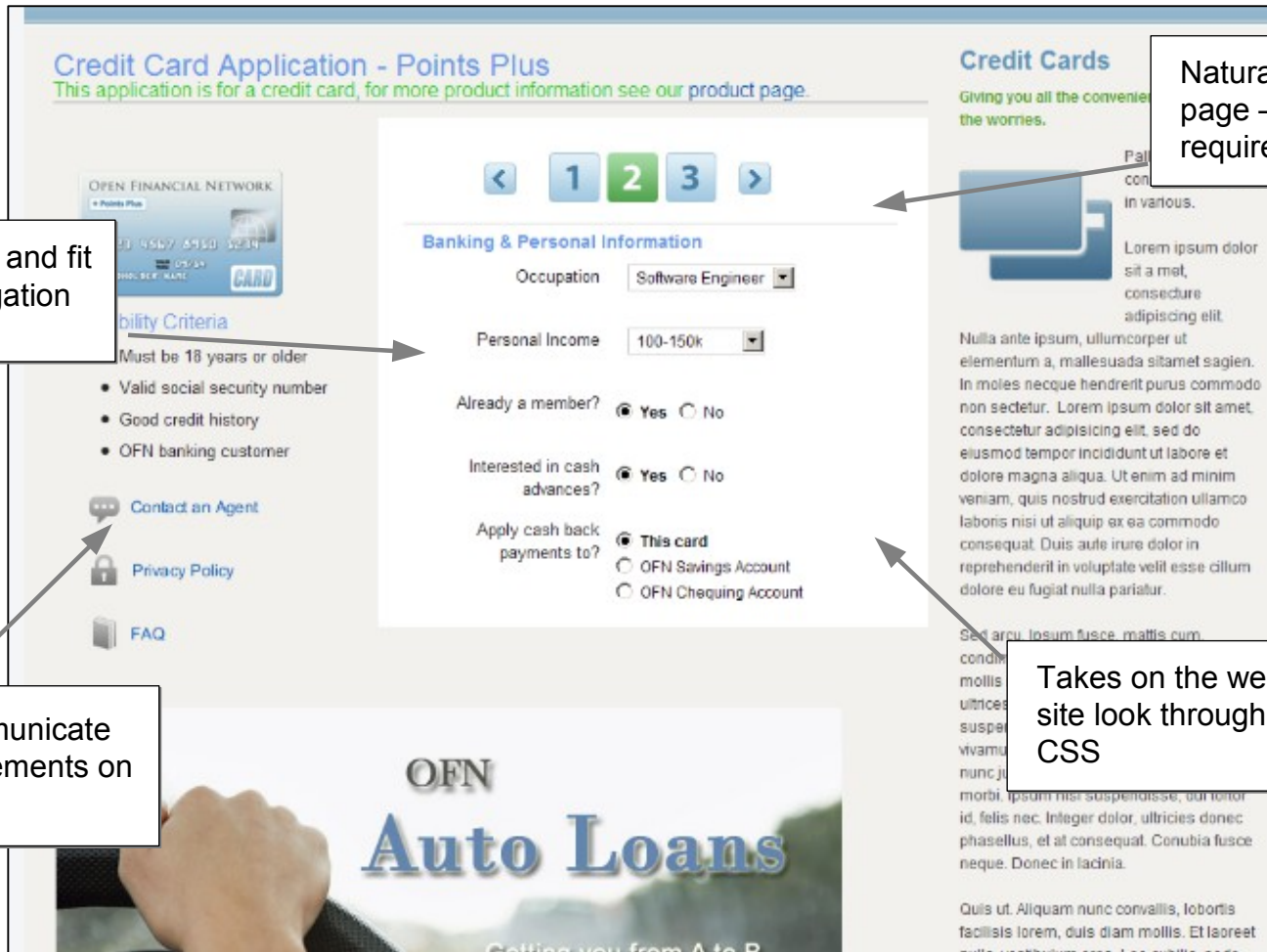
Bernd Beilke

Digital Experience Solutions Architect



Introduction

Web forms are part of an engaging experience



Highly dynamic and fit with site's navigation approach

Natural part of the page – no plug-ins required

Able to communicate with other elements on the page

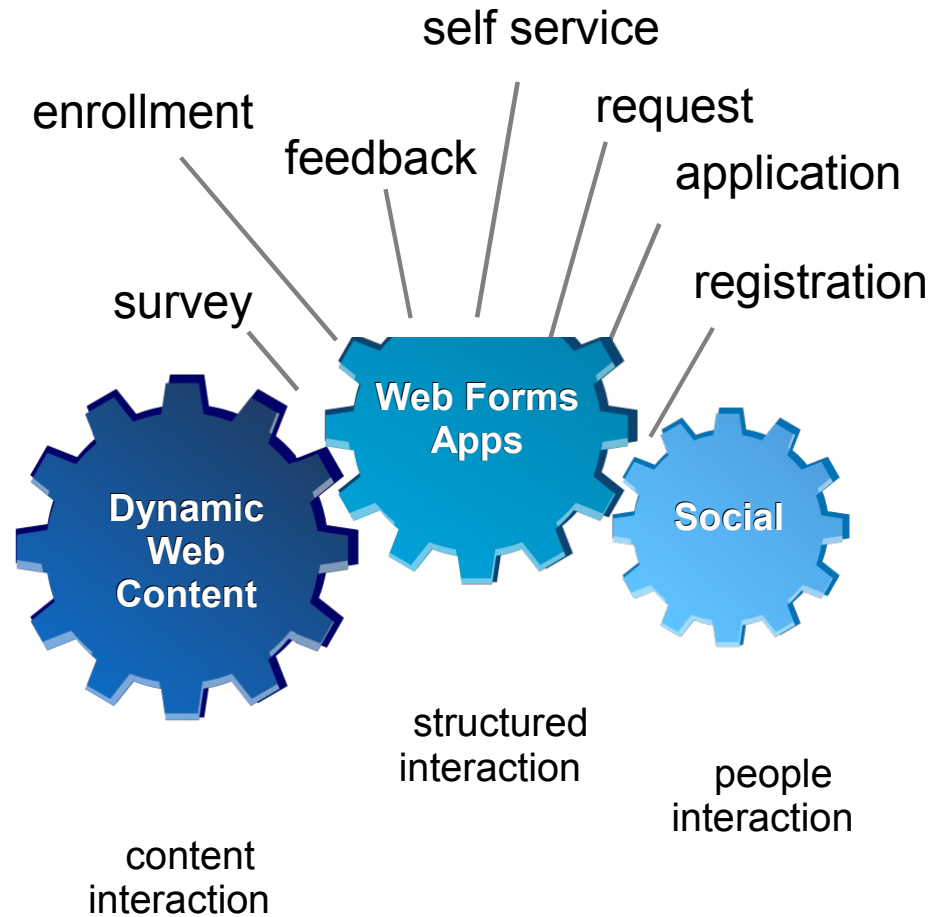
Takes on the web site look through CSS

Web forms are one of the interaction patterns

Web Forms are one of the interaction patterns ...

... along with dynamic **Web**

Content and **Social**



IBM Forms Experience Builder

IBM Forms Experience Builder

Lets non-technical users create sophisticated web form applications

- Build complete solutions with database, reports, charting, workflow, notifications, access control and more
- Easily integrate with existing systems and information through a comprehensive service architecture

Deal Tracking

As a sales representative, you can use this form to track deals and report their status to your office manager.

Deal Information

Deal status: Early stage

Anticipated deal size: \$75,000.00

Expected close date: 2/21/2013

Deal Query

Deals in the tracking system

Filter by rep: Brian Febulous

Filter by product line:

Click on record to see details. You can also update the record from the detail form.

Stage	Product Line	Deal Amount	Expected Close	Rep Name	Customer
Middle stage	Hiking	\$40,000.00	2/15/2013	Brian Febulous	Outdoor Living
Early stage	Mountain Biking	\$81,000.00	2/22/2013	Brian Febulous	Bike-O-Rama
Middle stage	Snow Sports	\$90,000.00	2/22/2013	Brian Febulous	Ski Shack
Late stage	Running	\$120,000.00	2/15/2013	Brian Febulous	Western State Run

Total deal value for items in view \$331,000.00 Average deal size for items in view \$331,000.00

Product mix for all deals

Product Line:

View as Pie Chart | Bar Chart | Data Table

- Running: 18.2%
- Mountain Biking: 27.3%
- Camping: 9.1%
- Climbing: 18.2%
- Snow Sports: 9.1%

From 11 submission(s) there were 11 response(s)

Sales status breakdown for all deals

Deal status:

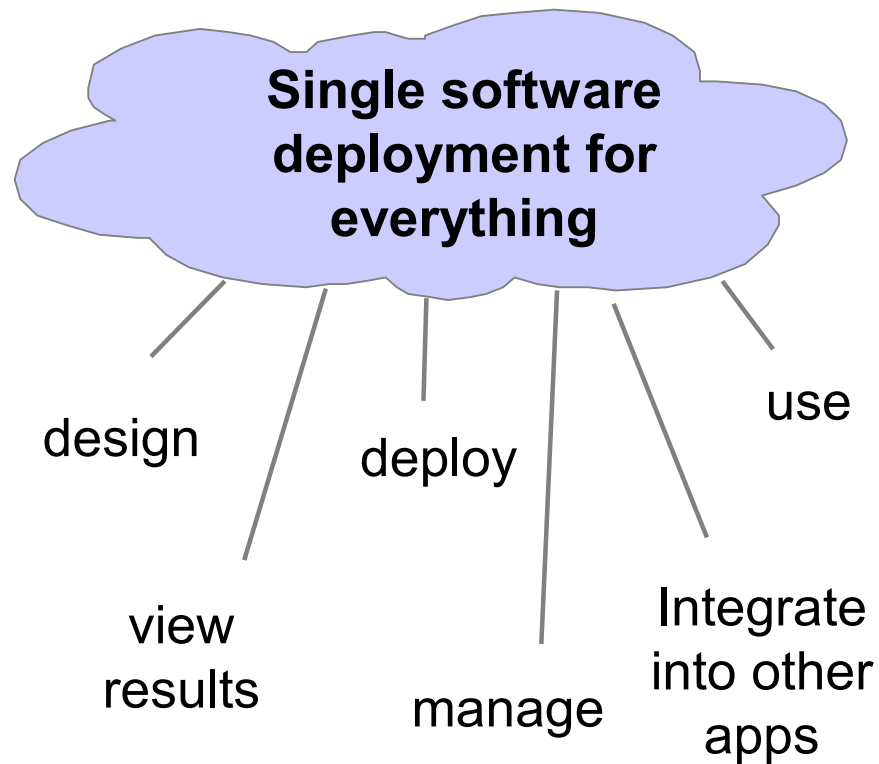
View as Pie Chart | Bar Chart | Data Table

- Late stage: 36.4%
- Middle stage: 36.4%
- Early stage: 27.3%

From 11 submission(s) there were 11 response(s)

IBM Forms Experience Builder

Based on a Modern Web Architecture



Business User Creation of Self Service Applications

Easy-to-use web based design tooling

Browser based design

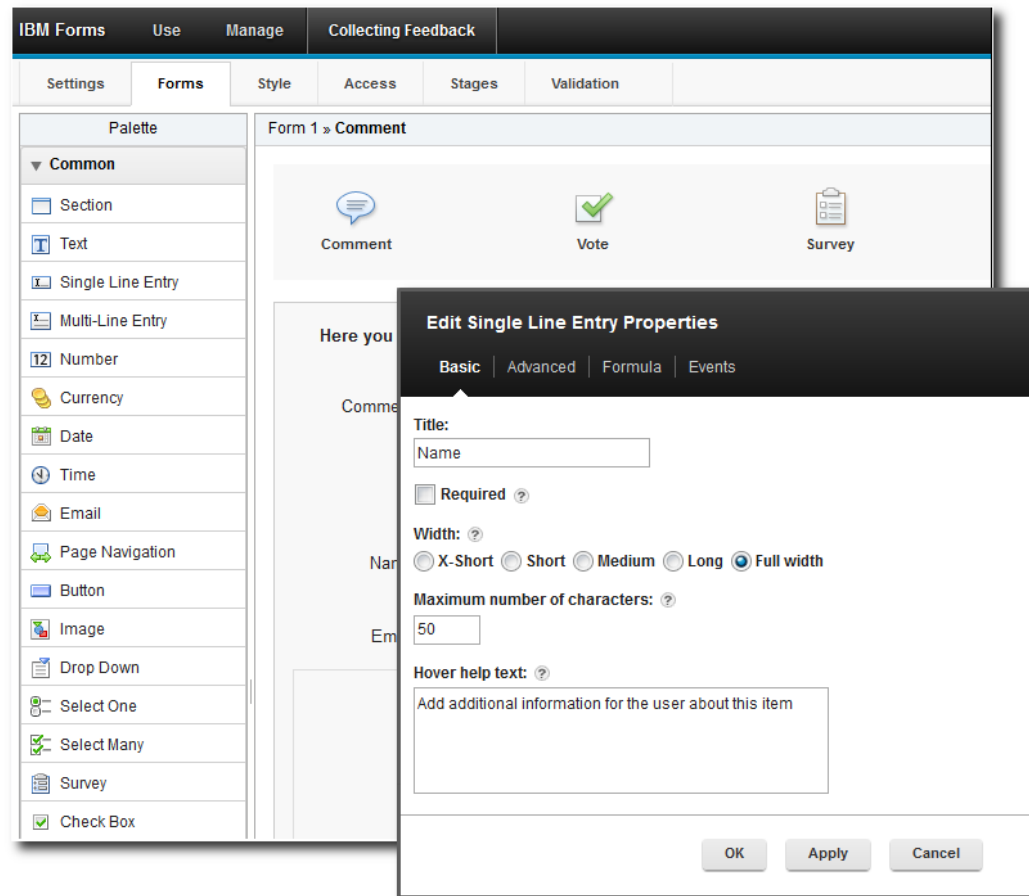
- Full palette of widgets
- Flexible layout using grids & sections
- Graphical rules & formula editor

Rapid development

- Preassembled items with default values
- Automatic binding to data records
- Apply advance features quickly

Familiar techniques

- Drag & drop design experience
- Easy discovery of item properties



Built in data management, “lists” and visualization

Built in data management and access control

Easy and fast access to results

- Lists of captured data
- Search and filter records
- View captured data by form
- See workflow activity as it happens
- Print individual records

Automatic summarization

- Charts
- Summary Tables

Permission based

- Only see records allowed to see
- Roles and privileges
- Generate detailed reports
- Complete assigned tasks

The top screenshot shows the 'Deal Tracking & Reporting' interface with a 'Summary' tab selected. It includes buttons for 'Customize', 'Create Filters', 'Refresh Data', and 'Export Data'. Below these is a table with columns for 'Deal status', 'Anticipated deal ...', 'Expected close ...', 'Company name', and 'Product Line'. The table lists several 'Middle stage' and 'Late stage' entries.

The bottom screenshot shows a detailed view of the 'Deal status' section. It includes a pie chart and a table showing the distribution of deal stages. The pie chart shows: Middle stage (30.4%), Late stage (27.3%), Early stage (27.3%), and Close (9.1%). The table below the chart shows the count for each choice.

Choice	Count
-- Select one --	0
Early stage	3
Middle stage	4
Late stage	3
Closed	0
Close	1
Total	11

Dynamic Experiences

Comprehensive set of data capture items, formulas and rules work seamlessly to increase productivity

Rich user interface

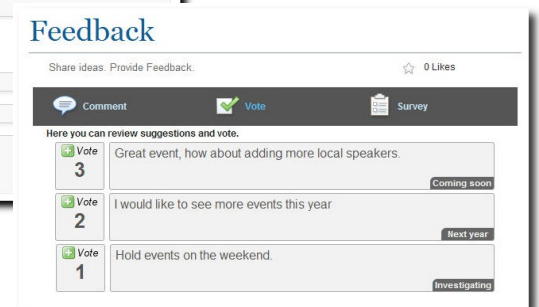
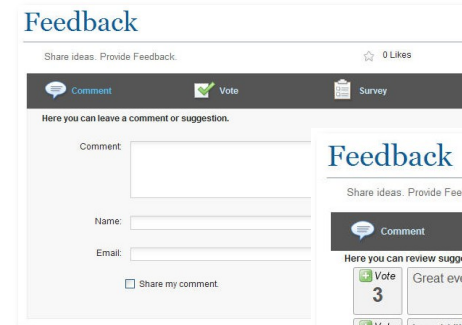
- Create engaging & personalized layouts
- Deepen relationships with dynamic content
- Smart interactions using formulas
- Customization with JavaScript & CSS

Improve customer engagements

- Increase forms completion %
- Improve click through %

Intuitive self-service experience

- Guided interactions with show & hide logic
- Role-based views and actions
- Responsive content using rules



Workflow and Access Control

Role-based access control and adaptable business processes automate user notifications and approvals

Customized interactions

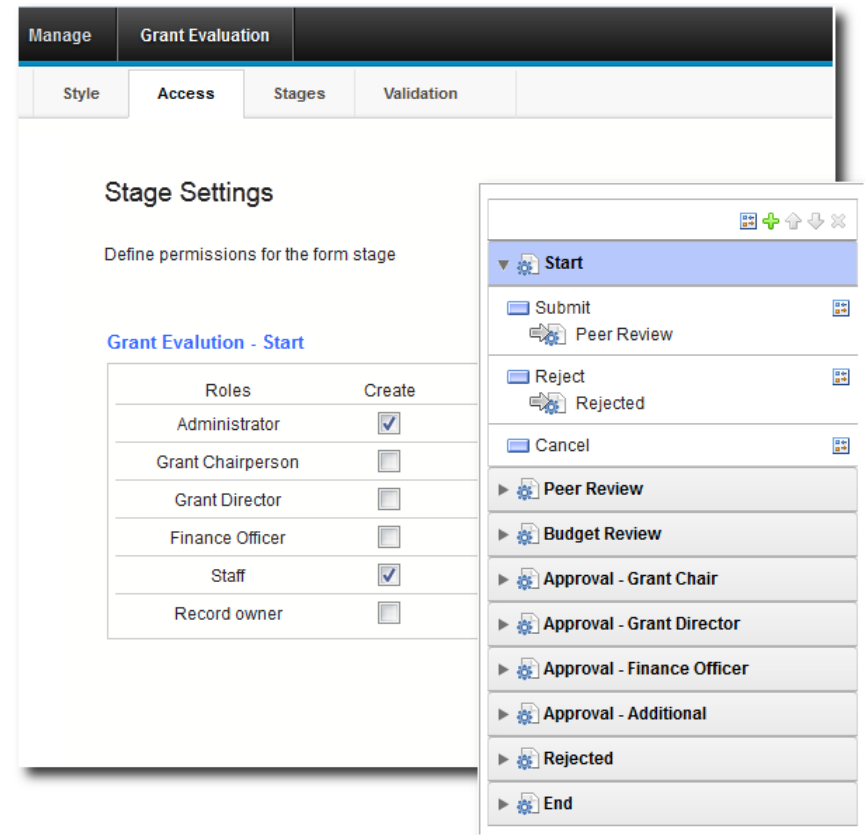
- Guided data capture experience
- User-specific access to form items
- Personalized submission actions

Dynamic experience

- Content show & hide based on role
- Automatic generation of email notifications
- Invoke services at routing steps
- Flexible routing using rules

Quick setup

- Easy to automate routing process
- Simple role & user security assignments



The screenshot displays the 'Manage' tab for 'Grant Evaluation' with sub-tabs for 'Style', 'Access', 'Stages', and 'Validation'. The 'Stages' sub-tab is active, showing 'Stage Settings' for 'Grant Evaluation - Start'. The settings include a table for role permissions and a list of actions.

Roles	Create
Administrator	<input checked="" type="checkbox"/>
Grant Chairperson	<input type="checkbox"/>
Grant Director	<input type="checkbox"/>
Finance Officer	<input type="checkbox"/>
Staff	<input checked="" type="checkbox"/>
Record owner	<input type="checkbox"/>

The 'Grant Evaluation - Start' stage is expanded to show the following actions:

- Submit (with Peer Review sub-action)
- Reject (with Rejected sub-action)
- Cancel
- Peer Review
- Budget Review
- Approval - Grant Chair
- Approval - Grant Director
- Approval - Finance Officer
- Approval - Additional
- Rejected
- End

Demo

Example Applications

HR Self Service

GREENWELL SPORTS Approval Queue

Employee Change Request

Selected Employee:

Selected Request Type:

Band: 9
Position: Purchaser
Email: Olivia.Claire@usis.com
Hire Date: February 15, 1996

Pay change for Olivia Claire

Current Salary: \$90,000.00
New Salary:

Time & Attendance

IBM Forms GW - Employee Time & Attendance Welcome martin_lechleider@usis.com Log Out

go to time reports

GREENWELL SPORTS Time & Attendance

Emp # Dept Week Ending

IBM Forms GW - Employee Time Reports Welcome martin_lechleider@usis.com Log Out

go to time & attendance

GREENWELL SPORTS Employee Time Reports

Total Hours This Week

Day	Check In	Check Out
Mon	9:00 AM	9:00 AM
Tue	9:00 AM	9:00 AM
Wed	9:00 AM	9:00 AM
Thu	9:00 AM	9:00 AM

Total Hours By Department

Select Dept for Week Ending

Total Number of Hours: 257.25
Total Number of Reports: 5

Employee #	Department	Hours	Week Ending
110	001	56.25	3/29/2013
100	001	56.75	3/29/2013
140	001	48.50	3/29/2013
170	001	48.00	3/29/2013
180	001	46.75	3/29/2013

Employee Onboarding

IBM Forms GW New Hire Onboarding Checklist

GREENWELL SPORTS Greenwell Onboarding

Instructions: complete each form starting with Basic Employee Information.

Form	Status
Basic Employee Information	✓
Safety Policy	✓
Business Conduct Guidelines	
Direct Deposit	
Benefits Enrollment	

Welcome to Greenwell! We are excited to have you join our team. To help you get up to speed, we have prepared this checklist for you to complete. All info needed to get you up to speed is completed with this checklist.

New Hire Check

Customer Service

IBM Forms GW Customer Service Welcome admin

GREENWELL SPORTS Incident Reporting

Incidents in the system

Filter by Region:

Filter by Severity:

Severity: 1 - Critical, 2 - High, 3 - Medium, 4 - Low

IBM Forms GW Customer Service Welcome admin

GREENWELL SPORTS View Incident

Severity: 2 - High Incident # 000021 Report Owner Name Account Name

Subject Team:

Assigned To:

Incident Status:

2 - Request Data Collected
3 - Problem Resolved
4 - Resolution in Progress
5 - Problem Reopened
6 - Incident Closed

Bid Preparation and Proposal Review

IBM Forms GW Proposal Review Publish Customer Proposal

GREENWELL SPORTS Proposal Review

Job Name: Branch Name: Estimate Requestor:

Date Requested: Date Due: Take-Off:

Reviewed by:

Link to Request for Estimate

Thank you for this opportunity to serve your snow and ice needs. We look forward to working with you on this project. This is our proposal to earn your snow and ice contract. Following attached sections will together become our contract: Service Rates, General Terms and Conditions. Thank you again for this opportunity. Greenwell Sports, LLC. Marty Lechleider

Opportunity Tracking

IBM Forms Deal Tracking & Deal Query, Analysis & Update Welcome admin Log Out

GREENWELL SPORTS Deal Tracking

As a sales representative, you can use this form to track deals and report their status to your office manager.

Deal Information

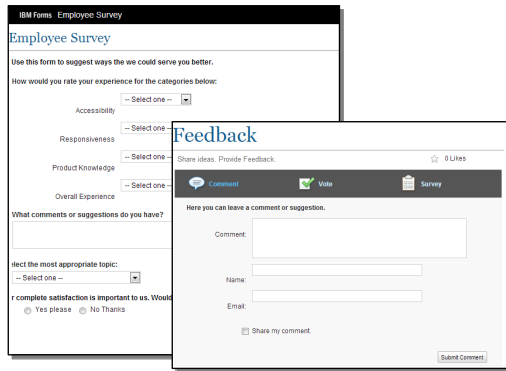
Deal Status:

Allocated deal size (total): \$75,000.00

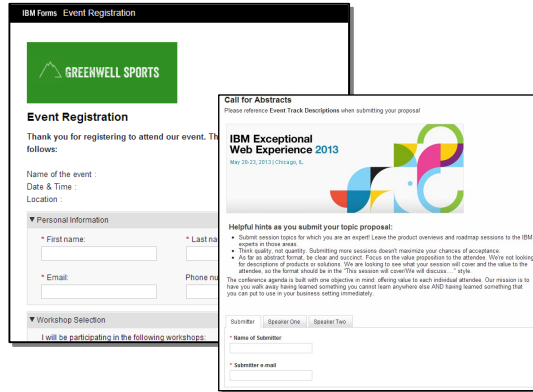
Expected close date:

Example Applications

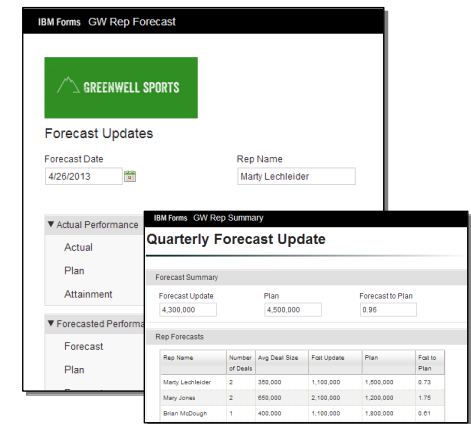
Surveys, Polls & Feedback



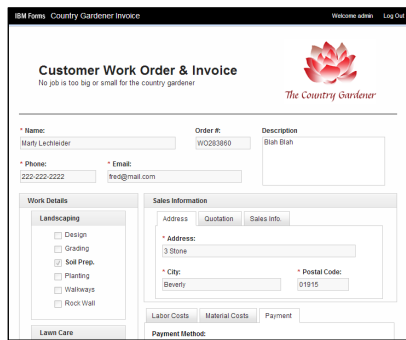
Program & Event Registration



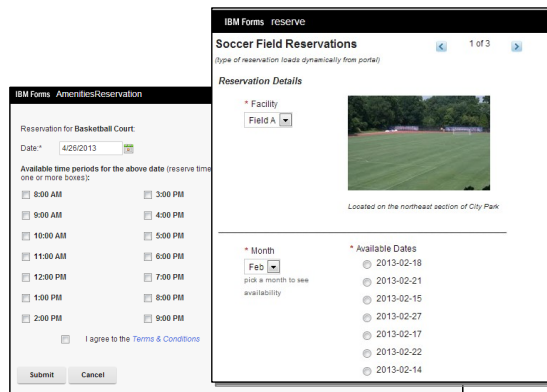
Business Forecasting and Project Tracking



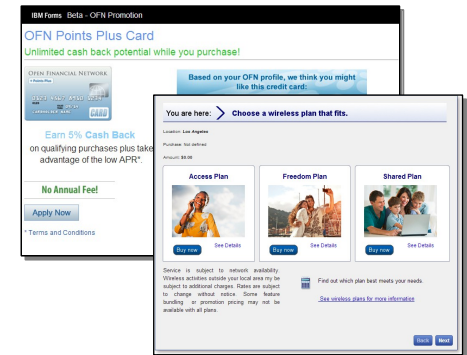
Financial Applications & Transactions



Reservations & Scheduling



Promotional Offers and Campaigns



Add value by integrating FEB into your Web Experience

Capture feedback

- Use surveys and polls to capture customer sentiment

Personalized self service

- Integrate with profile information to provide a custom experience
- Integrate with existing systems to provide exceptional self-service

Add offers and campaigns

- Capture new leads
- Engage customers in marketing programs

Monitor and track results

- Easy access to results with IT involvement

The screenshot displays the IBM Forms interface. At the top, there are tabs for 'Settings', 'Forms', 'Style', 'Access', 'Stages', and 'Validation'. The 'Forms' tab is active, showing a 'Form 1 - Survey - Page 1' with a 'Feedback' section containing the text 'Share ideas. Provide Feedback.' Below this, there is a 'Feedback Collection Demo' section with a search bar and a 'Search' button. A large blue arrow points from the 'Feedback' section of the top form to the 'Feedback' section of the bottom form. The bottom form is a survey titled 'Feedback' with a 'Share ideas. Provide Feedback.' prompt and a '0 Likes' indicator. It includes a 'Comment' section with a text area and a 'Vote' section with a 5-point scale. The survey questions are:

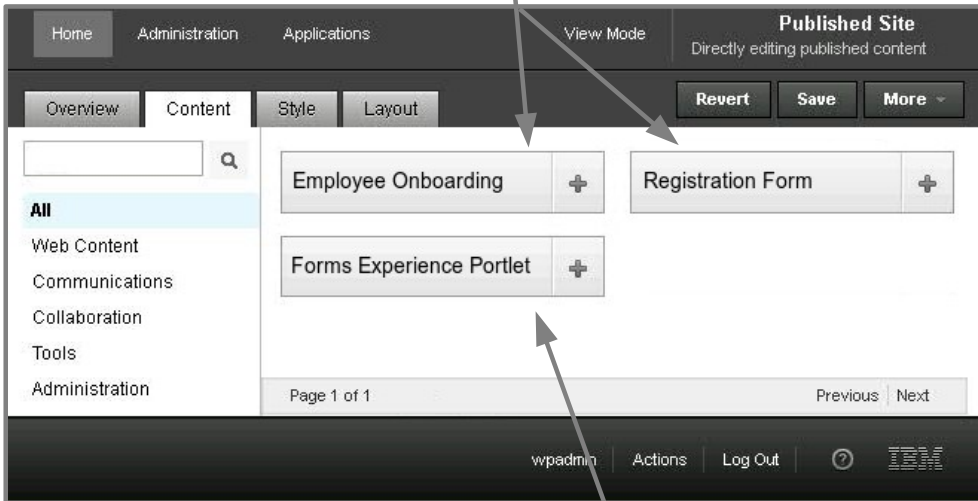
- How satisfied are you with the service you received?
 Very Satisfied Satisfied Unsatisfied Very Unsatisfied
- How would you rate your experience for the categories below?

	Dissatisfied	1	2	3	4	5	Satisfied
Responsiveness	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Accessibility	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Knowledge	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
- Anything you would change about the service provided to you?
 Yes No

At the bottom right of the survey form is a 'Submit Feedback' button. To the right of the survey form, there is a 'Connect' section with a 'Subscribe to Upcoming events feed' button, a 'Twitter' button, and contact information for 'events@ctc.ibm.com'. Below that is a 'Recent Events' section featuring a photo of a woman and the text 'Exceptional Web Experience conference Oct 31 2011 - Nov 4 2011'.

Integration with WebSphere Portal

- Add one or more FEB application to a WebSphere Portal page
- Pre-configure instances of specific FEB applications for Portal Page Builder
- FEB apps and Charts can also be embedded in the Web Clipping, Web Application Bridge, Rich Text or any iFrame portlets
- FEB web forms and summary charts can be embedded in other web applications with iFrames
 - In HTML pages
 - In Notes Open Social via an iFrame Gadget



The screenshot displays the WebSphere Portal interface. At the top, there is a navigation bar with tabs for Home, Administration, Applications, and View Mode. The right side of the navigation bar indicates the user is in 'Published Site' mode, 'Directly editing published content'. Below the navigation bar, there are tabs for Overview, Content, Style, and Layout. A search bar is located on the left side of the main content area. The main content area displays three pre-configured FEB portlets: 'Employee Onboarding', 'Registration Form', and 'Forms Experience Portlet', each with a plus sign icon. A left sidebar contains a menu with categories: All, Web Content, Communications, Collaboration, Tools, and Administration. At the bottom of the page, there is a footer with the text 'Page 1 of 1', 'Previous', 'Next', 'wpadmin', 'Actions', 'Log Out', and the IBM logo.

Pre-configured FEB portlets for specific FEB applications

Included portlet for displaying any FEB app

New - FEB 8.5 enables community survey experience in IBM Connections 4.5

Survey widgets

- Show list of active surveys
- Display featured surveys
- View featured results



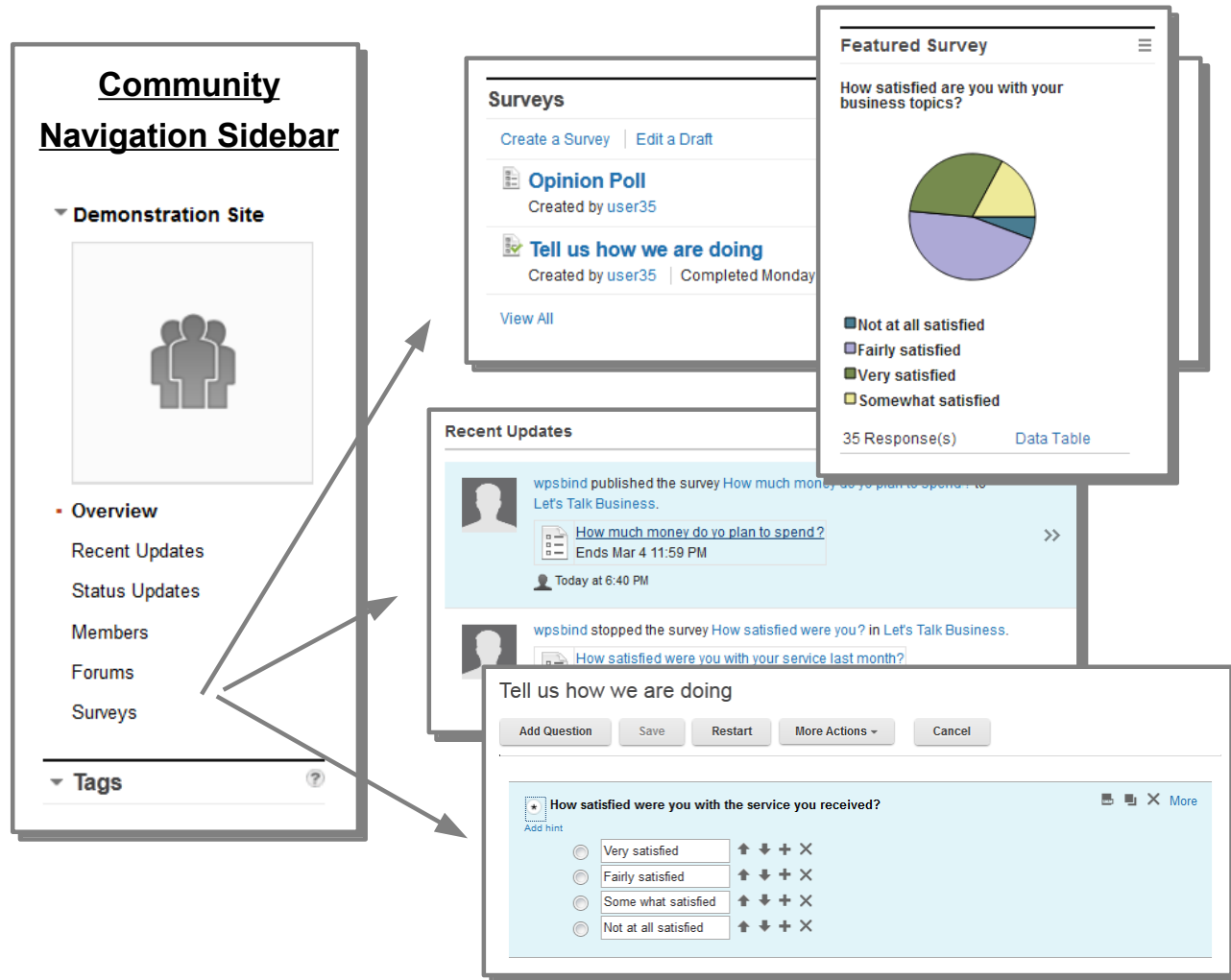
Survey events

- Receive updates
- Participate or view results

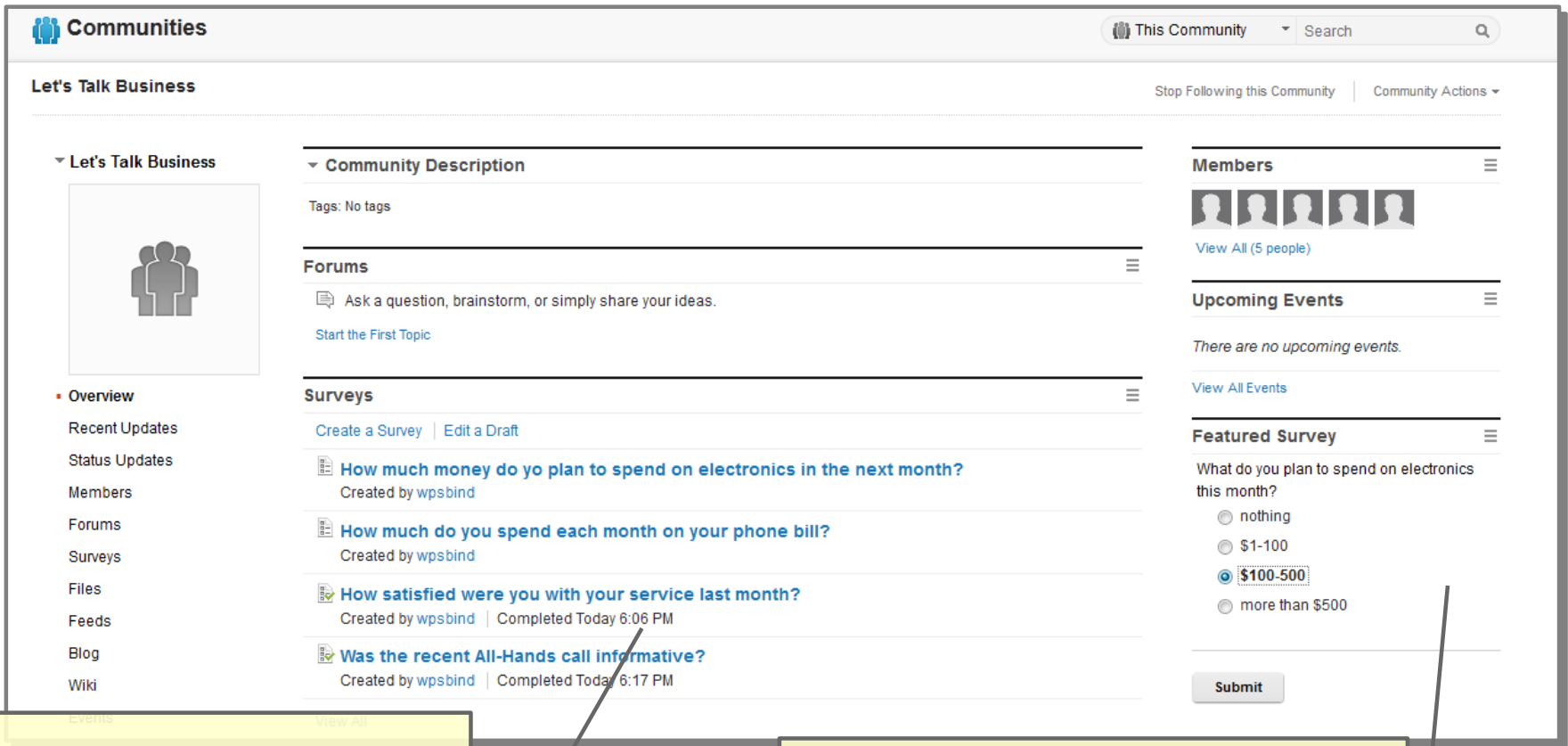


Survey designer

- Create polls and surveys
- Manage surveys



Two survey widgets available for community pages



Surveys Widget lists active surveys in a community

Featured Survey Widget displays a single survey or survey results

Design surveys one question at a time

- Add question lets you choose the type of question to include in a survey
- Add as many survey questions as you want

Communities

Demonstration Site

Stop Following this Community | Community Actions

▼ Demonstration Site

Tell us how we are doing

Add Question Save Restart More Actions Cancel

How satisfied were you with the service you received?

Add hint

Very satisfied ↑ ↓ + ×

Fairly satisfied ↑ ↓ + ×

Some what satisfied ↑ ↓ + ×

Not at all satisfied ↑ ↓ + ×

• Tell us why you are not satisfied.

- Quickly edit the main parts of a question

- Decide to move a question, create rules, duplicate, delete or edit detailed settings

Stay connected with survey events in activity streams

-
- Survey events will appear in activity stream listings
 - Community updates
 - Homepage views
- Survey events:
 - Publish the survey
 - Stop the survey
 - Publish the survey results
- Embedded experiences enables users to view activities and take action quickly
 - Complete active surveys
 - View survey results

Get Updates on What Matters to You ✕

Use the views in the side navigation to get the latest updates about people and content you are interested in. To get updates for particular people, you must follow them. You can use the filters in the Status Updates view to see updates from the people you are following and the people in your network.

I'm Following

View updates for people and things you are following, and responses to your content.

What are you working on right now?

Filter By: All

user35 posted results for the survey Tell us how we are doing.

Tell us how we are doing

Ended Today 9:36 AM

Today at 9:36 AM

user35 stopped the survey Tell us how we are doing in Demonstration Site.

Tell us how we are doing

Ended Today 9:36 AM

Today at 9:36 AM

user35 published the survey Tell us how we are doing to Demonstration Site.

Tell us how we are doing

Today at 9:31 AM

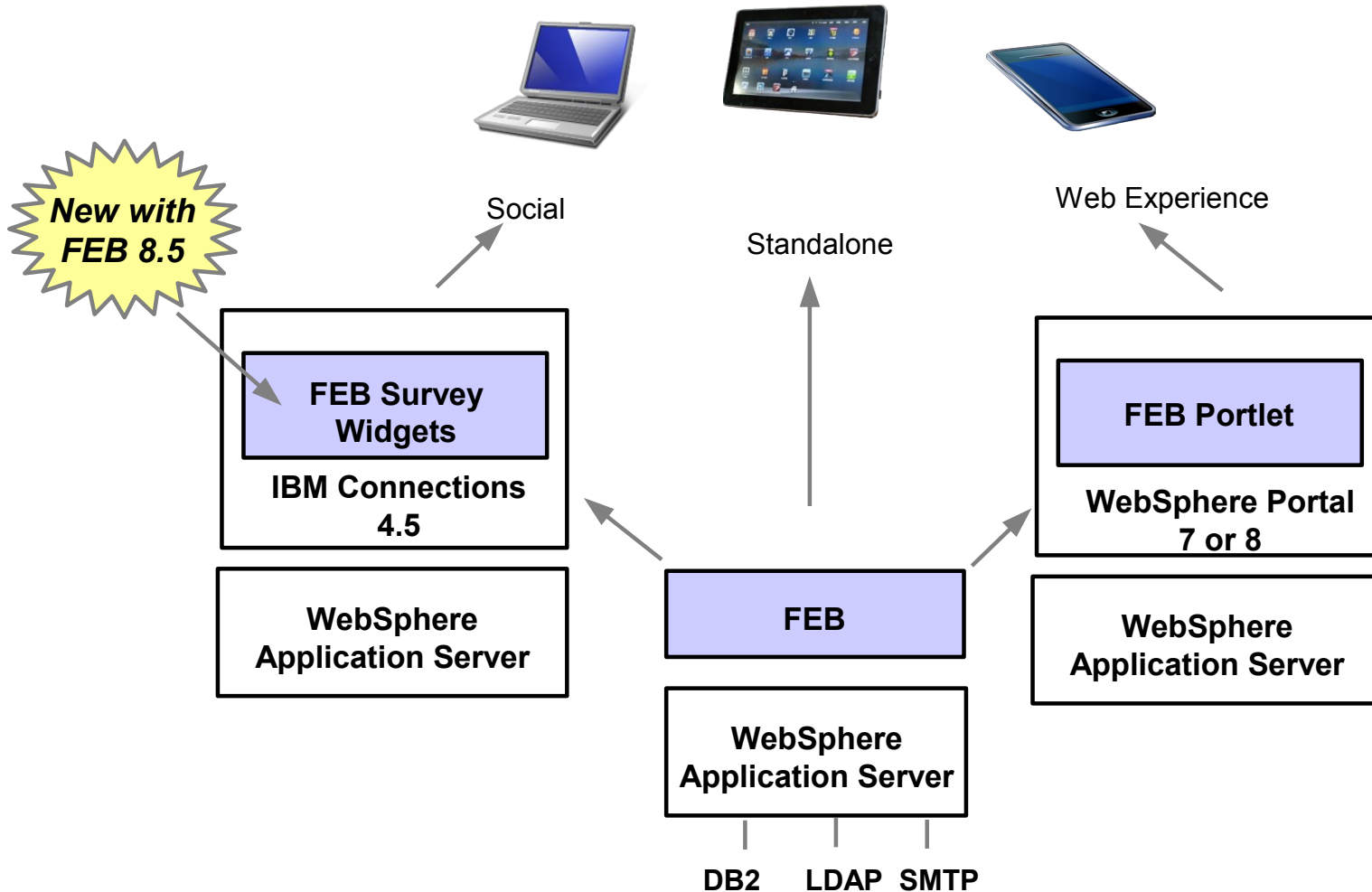
Tell us how we are doing ✕

How satisfied were you with the service you received?

- Very satisfied
- Fairly satisfied
- Some what satisfied
- Not at all satisfied

People can interact directly with survey events through embedded experiences

IBM Forms Experience Builder Architecture



FEB includes entitlements to WebSphere Application Server and IBM DB2

IBM Forms Experience Builder – how is it sold?

IBM Forms Experience Builder

- Now available as its own product!
- PVU based licensing
- Pricing and part numbers were announced on May 14, 2013



<http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=AN&subtype=CA&htmlfid=897/ENUS213-175&apname=USN>



FEB entitlements in other products

	Forms 8.0	Forms Classic 8.0.1	WebSphere Portal Extend 8.0	Cust Exp Suite & Emp Exp Suite 8.0	IBM Connections 4.5.1 (Sep 2013)
FEB 8.0	2012 added to product		2012 via Forms 8.0	2012 via Forms 8.0	
FEB 8.5		July 2013 – does not include FEB	Sep 2013 will update Portal Extend 8.0.0.1 IFR1 to FEB 8.5	Sep 2013 will update CES & EES 8.0.0.1 IFR1 to FEB 8.5	
FEB 8.5 Community Surveys					Sep 2013 will add entitlement limited to Community Surveys

Why Customers Love Forms Experience Builder

Speed

- Non-technical users can build sophisticated web applications

Agility

- Make changes and fine tune web form experiences in minutes

Integration

- Excellent fit with IBM Web Experience and Social software

Cloud Economics

- A single shared deployment for all your needs

Easily Extended

- IT can collaborate with business users to extend applications using readily available web development skills

IBM's CIO Lab deployment of FEB



What

- Delivered FEB as a “self-service” tool to IBM business users

Savings

- 2011/2012 estimated cost avoidance over \$6.4M
 - Reduced development & hosting costs
 - Increased transactional efficiency

Statistics

- 189 registered apps
- Over 135,000 forms submitted
- Over 51,000 IBMers have interacted with FEB on SSAe
- Over 400 community members

Sample Apps to Help you Get Started

Forms Experience Builder Starter Packs

Added by  Eric Dunn | Edited by  Jane Rizhanovsky on May 22, 2012 | Version 36

Edit | More Actions ▾  (0 ratings) | 1 comment

▼ Abstract

This page contains many Forms Experience Builder starter packs. A starter pack contains a downloadable Forms Experience Builder application containing a single sample form, along with documentation explaining some of the techniques used in the sample.

Tags: nitro, feb, samples, how-to

Table of Contents

[Hide](#)

- 1 Starter Packs for Forms Experience Builder v8
 - 1.1 Coverage Matrix
 - 1.2 Feature Matrix
 - 1.3 Getting Started with the Starter Packs
- 2 Downloads
 - 2.1 Entire Starter Pack Set
 - 2.2 Employee Position Change
 - 2.3 First Aid Course Enrollment
 - 2.4 Printing Quotation
 - 2.5 Employment Application
 - 2.6 Employee Information Form
 - 2.7 Business Conduct Guidelines
 - 2.8 Library Registration
 - 2.9 Safety Policy

http://www-10.lotus.com/ldd/lfwiki.nsf/dx/Forms_Experience_Builder_Starter_Packs#Starter+Packs+for+Forms+Experience+Builder+v8

Videos to Help you Learn

IBM Forms Experience Builder Video Demonstrations

This video series demonstrates many of the new features available with IBM Forms 8.0. The videos walk you through various use cases in how applications built with the IBM Forms Experience Builder can enhance your customers web experience.

[Video of IBM Forms Experience Builder - Feedback Collection Application Demonstration](#)

[Video of IBM Forms Experience Builder - Customer Support Application Demonstration](#)

[Video of IBM Forms Experience Builder - Wireless Service Plan Purchase Demonstration](#)

[Video of IBM Forms Experience Builder - Customer Satisfaction Survey Demonstration](#)

[Video of IBM Forms Experience Builder - Grant Evaluation Application Demonstration](#)

http://www-10.lotus.com/ldd/lfwiki.nsf/dx/Forms_Experience_Builder_Demonstrations_and_Videos

http://www-10.lotus.com/ldd/lfwiki.nsf/dx/Forms_Experience_Builder_Starter_Packs#Starter+Packs+for+Forms+Experience+Builder+v8

Education to help you develop your skills

IBM Forms V8 & IBM Forms Experience Builder

26 Mar 2013 - 31 Dec 2013

09:00 a.m. to 05:00 p.m. Eastern Standard Time

Self Paced

There is no charge to attend this event. [Get the event description.](#)

Sign in now (to prefill the form)

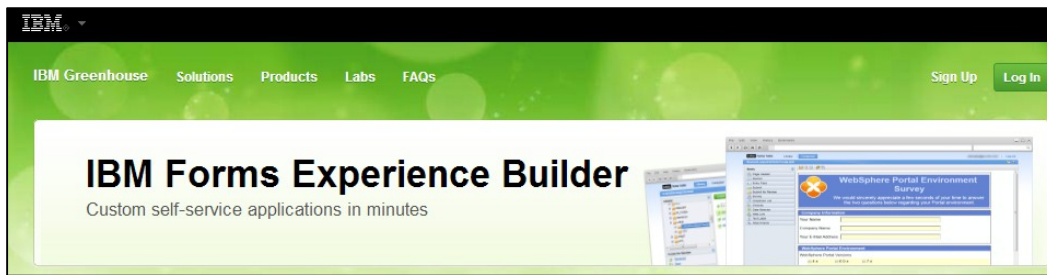
Sign in to have your information automatically entered into this form. If you do not sign in prior to registering, this event will not be included in your My registrations page.

Don't have an IBM ID? [Register here](#)

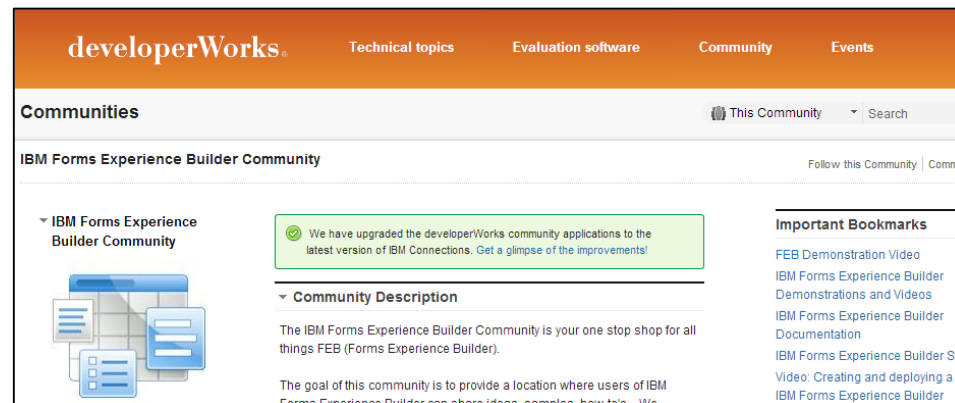
“Using the IBM Forms Experience Builder you will learn to use the simple web-based user interface to develop interactive form driven applications, integrate role based security, implement the integrated lightweight routing for approvals and notifications, explore personalized integration with WebSphere Portal, and leverage open standards utilizing REST API services.”

<http://www-304.ibm.com/events/idr/idrevents/detail.action?meid=10361&ieid=4513>

Resources to help build applications



<https://greenhouse.lotus.com/wpsgh/wcm/connect/ghcontent/lotus+greenhouse+next+site/home/products/ibm+forms+turbo>



<https://www.ibm.com/developerworks/community/groups/service/html/communityview?communityUuid=05651788-f17f-4309-a5c6-698e67acd9c1>

What's else is new with FEB 8.5?

Discover important comments or trends in collected responses

View submitted responses for a single question or create filters for cross tabulation.

-
-
- Create customizable filters to discover patterns
- Define simple or multiple condition filters using an easy to use search dialog
- Decide to share specific views with others
-

Summary
Responses

Customize
Create Filters
Share

What are you shopping for?

View as [Pie Chart](#) | [Bar Chart](#)

Choice	Count	Percentage
Sporting goods	2	14.3%
Electronics	0	0%
Clothes	4	28.6%
Books	1	7.1%
Groceries	5	35.7%
Household items	2	14.3%
	14	100%

From 5 submission(s) there were 5 response(s)

[Share](#)

Search

Specify search filters for submissions of "Form 1"

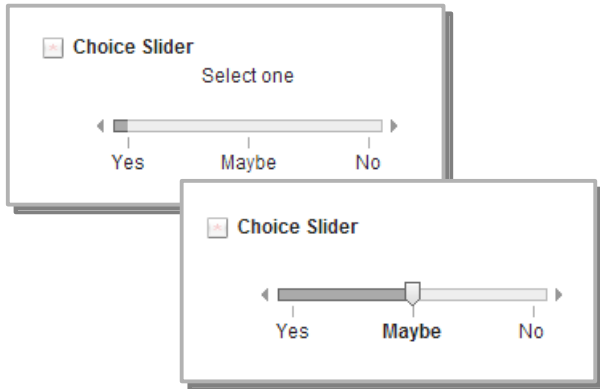
How would you rate... Equals Very Good

And Or

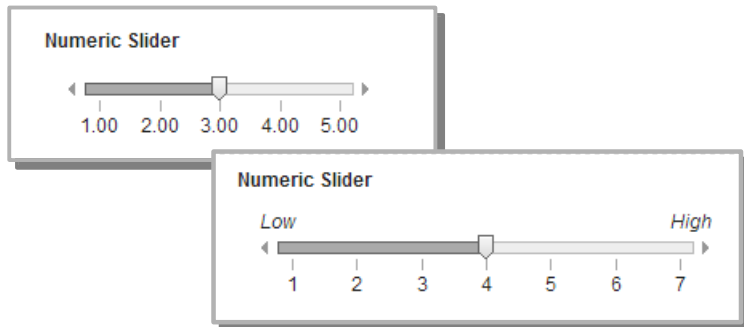
Search Cancel

New form items and item behaviors

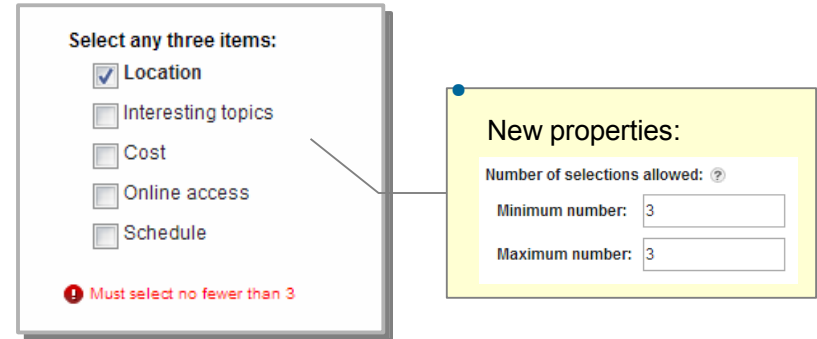
- Choice slider item for making choices, complete with a required option.



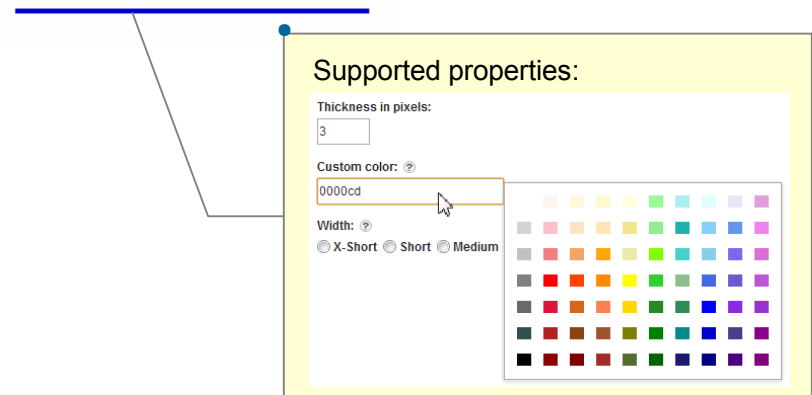
- Numeric slider item for selecting numbers, with automatic scale generation.



- Select many item now has a option for defining minimum-maximum number of choices.



- Line or divider display item.

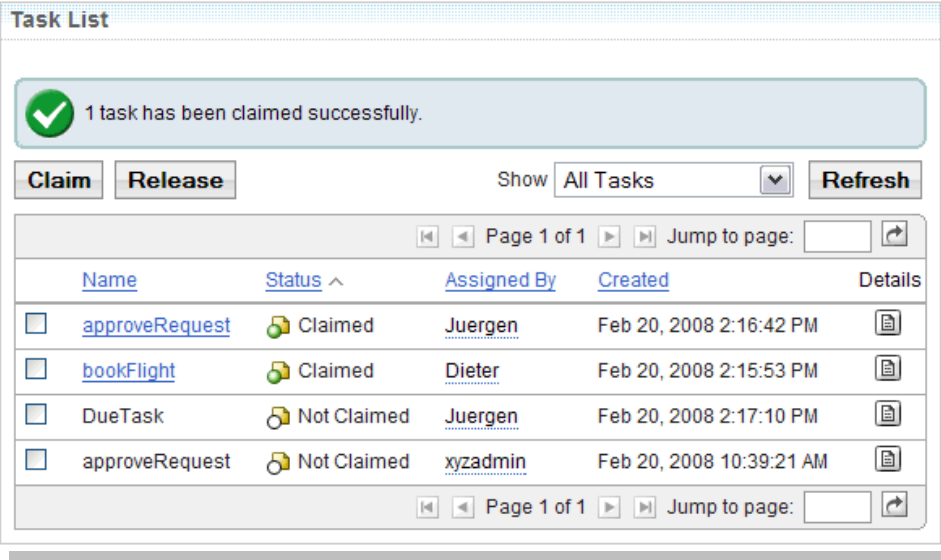


Specific product enhancements and entitlements

- Layout and usability improvements
 - Layout enhancements now allow form items to self adjust their content in response to size changes on the web page
 - Field widths for numeric widgets have been adjusted to better align with common usage
 - New simplified theme now available for viewing web forms and results
 - Widget property UX improved to make it easier to specify range values
- Adopted IBM Collaboration Solutions (ICS) UI 3.0.3 to achieve stronger visual alignment when delivering social business solutions
- Expanded globalization group 1 & 2 supported to now include Catalan, Kazakh, and Thai languages
- Update entitlements for prerequisite software
 - WebSphere Application Server Network Deployment 8.5
 - DB2 10.1
 -
 -
-

New - FEB 8.5 integration with Unified Task List

- FEB forms can appear as part of Portal Unified Task List (UTL) solution for enterprise processes
 - Portal UTL will support a FEB adaptor
 - FEB portlet supports UTL wires to display forms
- This makes it easy to deliver web form applications for human tasks in business workflows







Task List

1 task has been claimed successfully.

Claim **Release** Show **Refresh**

Page 1 of 1 Jump to page:

	Name	Status ^	Assigned By	Created	Details
<input type="checkbox"/>	approveRequest	Claimed	Juergen	Feb 20, 2008 2:16:42 PM	
<input type="checkbox"/>	bookFlight	Claimed	Dieter	Feb 20, 2008 2:15:53 PM	
<input type="checkbox"/>	DueTask	Not Claimed	Juergen	Feb 20, 2008 2:17:10 PM	
<input type="checkbox"/>	approveRequest	Not Claimed	xyzadmin	Feb 20, 2008 10:39:21 AM	

Page 1 of 1 Jump to page:

Available with the next Websphere Portal UTL update

Improved rules experience and capabilities

Form 1 » Page 1

How would you rate your shopping experience?

- Very good
- Good
- Fair
- Poor
- Very poor

Edit Rules

Directly access the rules dialog by clicking on any form page, item or stage action.

Rules

Add Rule

- Rule 1
- Rule 2**
- Rule 3
- Rule 4

Show related
How would you rate you

Details for: Rule 2

When this is true: ?

How would you rate your sho.. Equals

- Very good
- Good
- Fair
- Poor
- Very poor

A fixed value

Clear selection

Perform this action: ?

Please tell us why Show

Apply Apply and Close

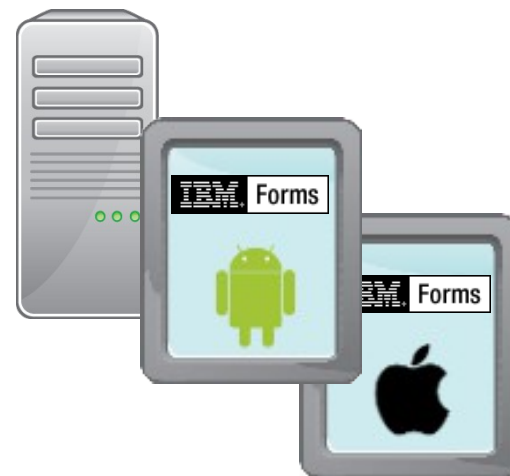
- Rule conditions are express using simple if-then logic

- All form rules are listed in one place
- Rules related to a specific form item are highlighted

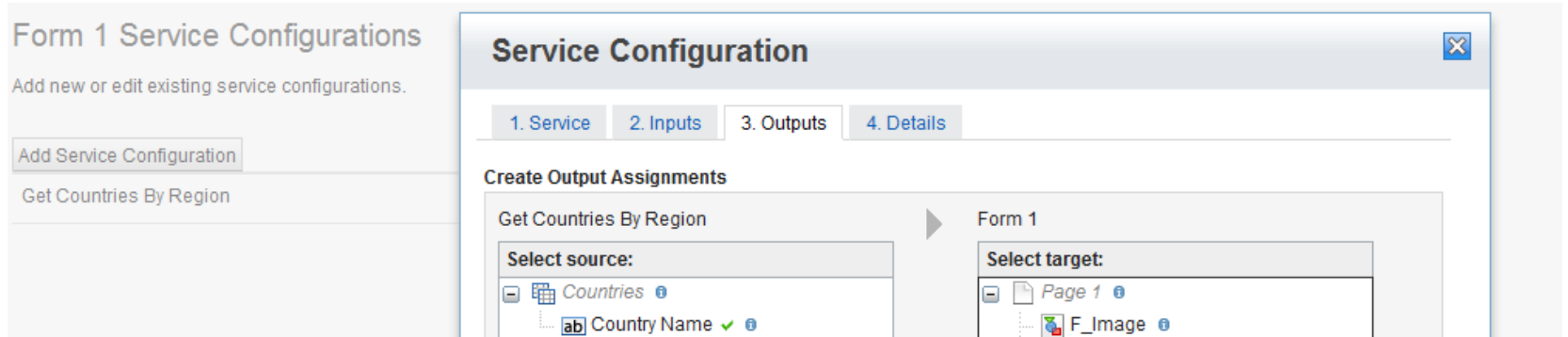
- Support one or several actions as the result of a rule

Continued support for new operating systems and web browsers

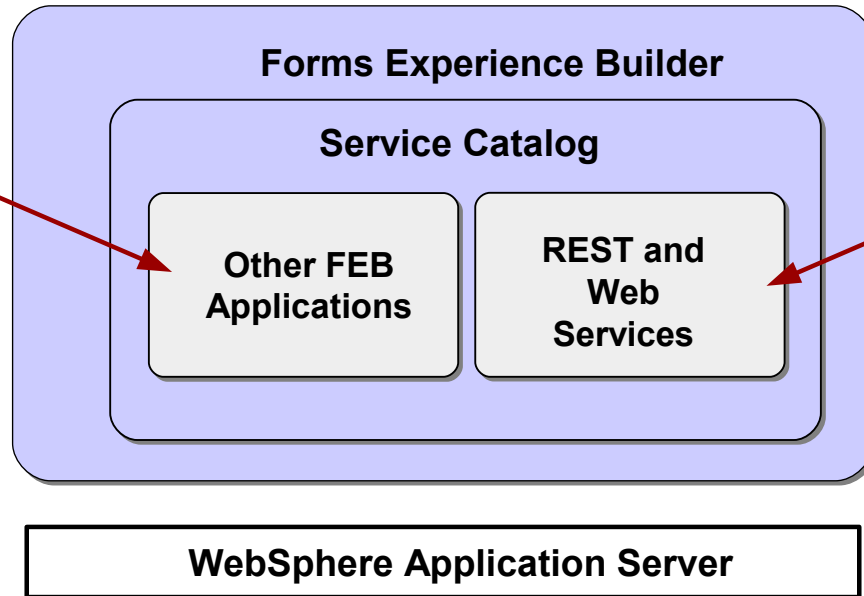
- Updated server OSs to include
 - Windows Server 2012
- Updated tablet support to include
 - iPad with iOS 6.1
 - Tablets with Android 4.1
- Updated mobile device support to include
 - iPhone running iOS 6.1
 - Phones running Android v4.0
- Updated browser support to include
 - Chrome v25
 - FireFox v20
 - Internet Explorer v10
 - Safari v6.0



FEB Service Catalog and Discovery



Every FEB application is exposed as services



Definitions can be created for any REST or Web Service including:

- SAP
- Oracle
- IBM BPM
- many others

Services enhancements included in FEB 8.5

FEB services can now return detailed information about submission records which enables custom data views to be created or allows records for a particular person to be located.

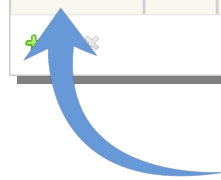
- Search and retrieve record metadata
 - Author & last updater (name, login, email)
 - Stage & line id information
 - Creation time & update time

- Filter metadata results

Other enhancements:

- One can now search results using a page approach by setting a page size (how many entries to return) and a page (which page of entries to return) parameter
- JSON in the service transport layer is now supported in addition to HTML type transport

Record UID	Record Line ID	Stage	CreateTime	Auth Name	Auth ID
472e0bf5-f0b9-49ff-82d0-50553fa434cf	0	ST_End	2/22/2013, 3:55 PM	Demo Demo	demo
e343db61-c5a2-4a6e-8b78-0ec4ba1107	1	ST_End	2/22/2013, 3:55 PM	Demo Demo	demo
95f003b8-757d-4d5b-8a32-3a6dd62e8a	0	ST_End	2/22/2013, 3:55 PM	Demo Demo	demo
28d0723d-41a3-4de1-8ada-ada07f5e6	1	ST_End	2/22/2013, 3:55 PM	Demo Demo	demo
	2	ST_End	2/22/2013, 3:56 PM	Project Nitro	nitro
	3	ST_End	2/22/2013, 3:59 PM	Demo Demo	demo



Custom view of submission records based on line id example

Connecting to external enterprise systems is now easier

New in v8.5 is a generator tool that can transform the contents of a WSDL to a FEB service description represented as an XML document.

-
- Generation tool works with WDSL 2.0
- Command line tool automatically generates FEB service description files
- New service descriptions are ready for use in any FEB application
- Generated graphical interface allows knowledge users to manage service call details within a form

```
C:\IBM\forms\wsdl>java -jar wsdl.jar -wsdlFile=AccountServiceService.wsdl
FEB Service Description Generator for Web Services

-----
Service Description Generation Completed
-----
Total Web Services Operation      : 6
Service Description Generated (success) : 6
Service Description Generated (with errors) : 0
-----
```

Service Configuration

1. Service 2. Inputs 3. Outputs 4. Details

Create Output Assignments

getAccounts

Select source:

- Account
 - ab clientNum *
 - ab accountNum *
 - ab name *
 - ab accDesc *
 - .0 balance
 - ab accType *
- Transaction
 - 12 id
 - ab date *

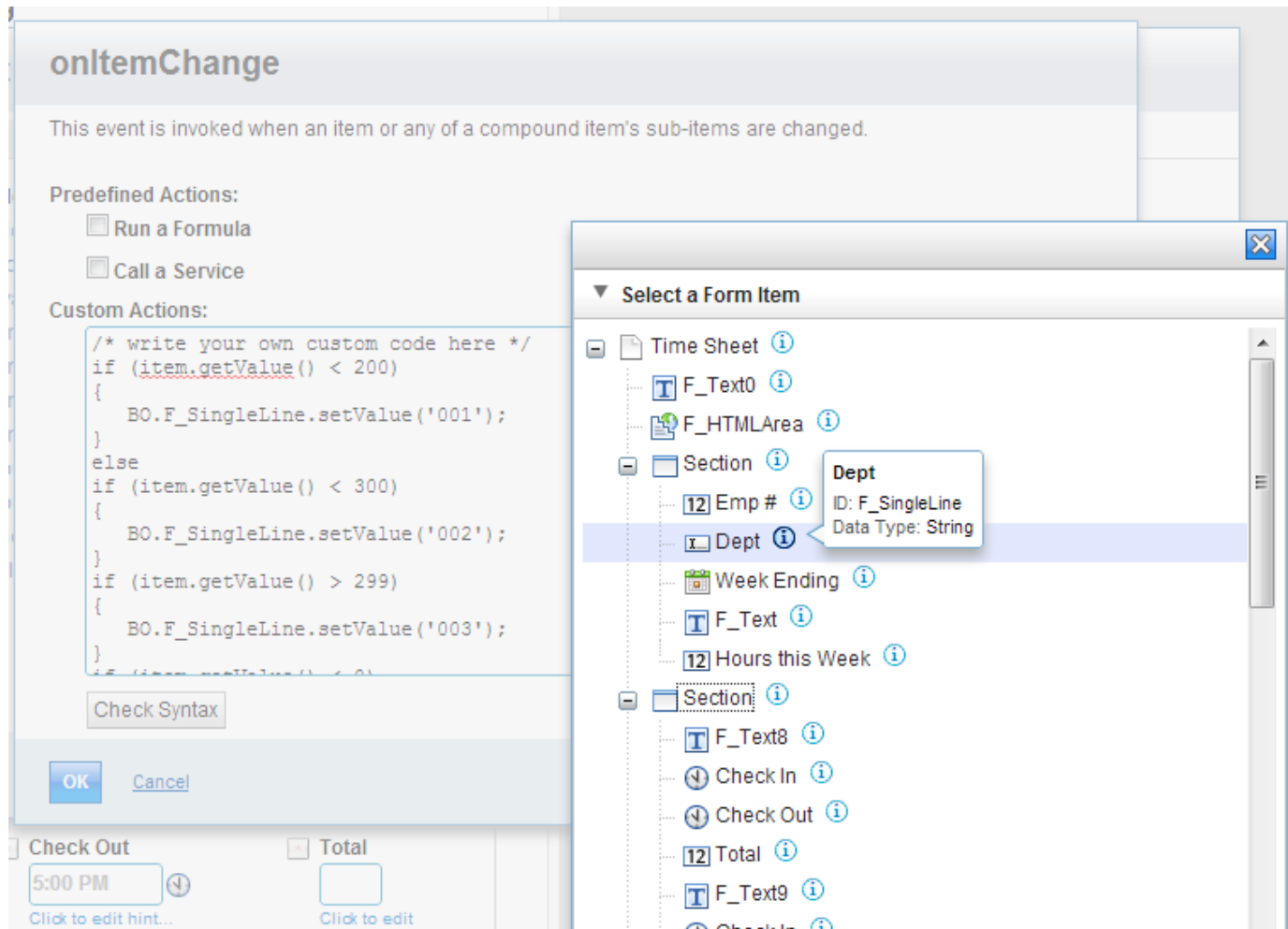
Select target:

- Page 1
 - 12 Account Number
 - 12 Client Number
 - X Name
 - X Description
 - Balance
 - Transactions
 - X ID
 - Date

View: Basic

JavaScript API

Easy sandbox approach to extending functions with JavaScript



The screenshot displays a software development environment with two main components:

- JavaScript Code Editor:** A window titled "onItemChange" containing a JavaScript function. The function is designed to be triggered when an item or its sub-items are changed. It uses conditional logic to set values for a "BO.F_SingleLine" field based on the item's value.

```
/* write your own custom code here */
if (item.getValue() < 200)
{
    BO.F_SingleLine.setValue('001');
}
else
if (item.getValue() < 300)
{
    BO.F_SingleLine.setValue('002');
}
if (item.getValue() > 299)
{
    BO.F_SingleLine.setValue('003');
}
```
- Select a Form Item Tree:** A tree view showing the structure of a form. The tree is expanded to show a "Section" containing a "Dept" field. A tooltip for the "Dept" field indicates its ID is "F_SingleLine" and its data type is "String". Other fields visible in the tree include "Emp #", "Week Ending", "Hours this Week", and "Total".

At the bottom of the interface, there are form controls for "Check Out" (set to 5:00 PM) and "Total".

New JavaScript APIs and libraries supported in v8.5

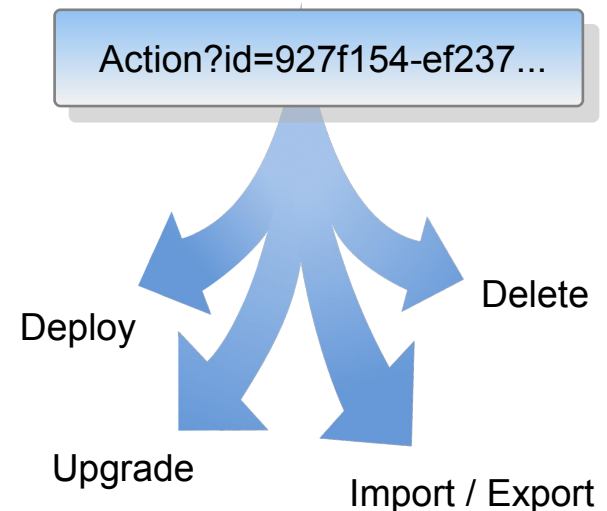
- Allow content to be displayed as the user types it (before tabbing out)
 - `item.getDisplayValue()`
 - `item.setDisplayValue(pValue)`
- Control whether or not a pop up message is displayed when navigating away
 - `app.setSuppressWarning(pSuppress).`
 - `app.getSuppressWarning();`
- Programmatically get links to all imbedded application files (image, CSS, pdf, etc.)
 - `app.getImageBaseUrl();`
 - `app.getStyleBaseUrl();`
 - `app.getFileBaseUrl();`
- Get unique IDs of the application and the form to build up URLs for rest calls
 - `app.getUID();`
 - `form.getUID();`
- Now available are Dojo 1.8 libraries to extend FEB form capabilities
 -
-

Rest API enhancements and additions in v8.5

Methods are now available that help automate the deployment of web form solutions from a development system to a staging or production system.

-
- Deploy activates a draft version of a form and makes it available for use
- Upgrade replaces a deployed form with a new version of the source file
- Import uploads a form source file to the FEB server
- Export downloads a form source file to be saved locally
- Delete removes a form source file and related data records from the FEB server

FEB provides a REST API that can be used by other programs



What's new with ...

-
- FEB form upgrade process has been improved
 - Upgrade service runs as a background thread with on demand processing
 - FEB v8.5 is backward compatible with v8.0 forms.
 -
 -

IBM Forms Experience Builder Setup

There are two phases that need to be completed in order for IBM Forms Experience Builder to be setup.

Phase 1: Basic Environment Setup

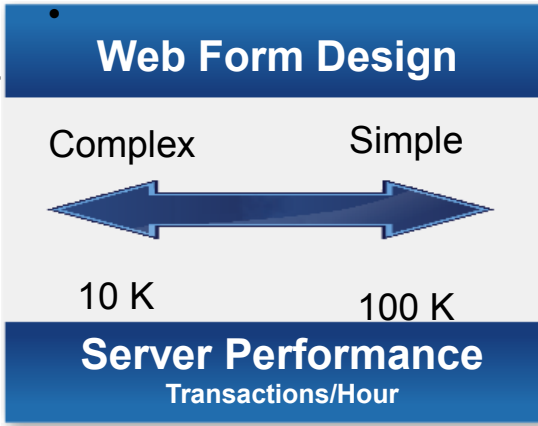
Step 1: Data Source
✔ The data source has been provided and configured.

Step 2: Database Tables
✔ The database tables are up-to-date.

Phase 2: Secured Environment Setup

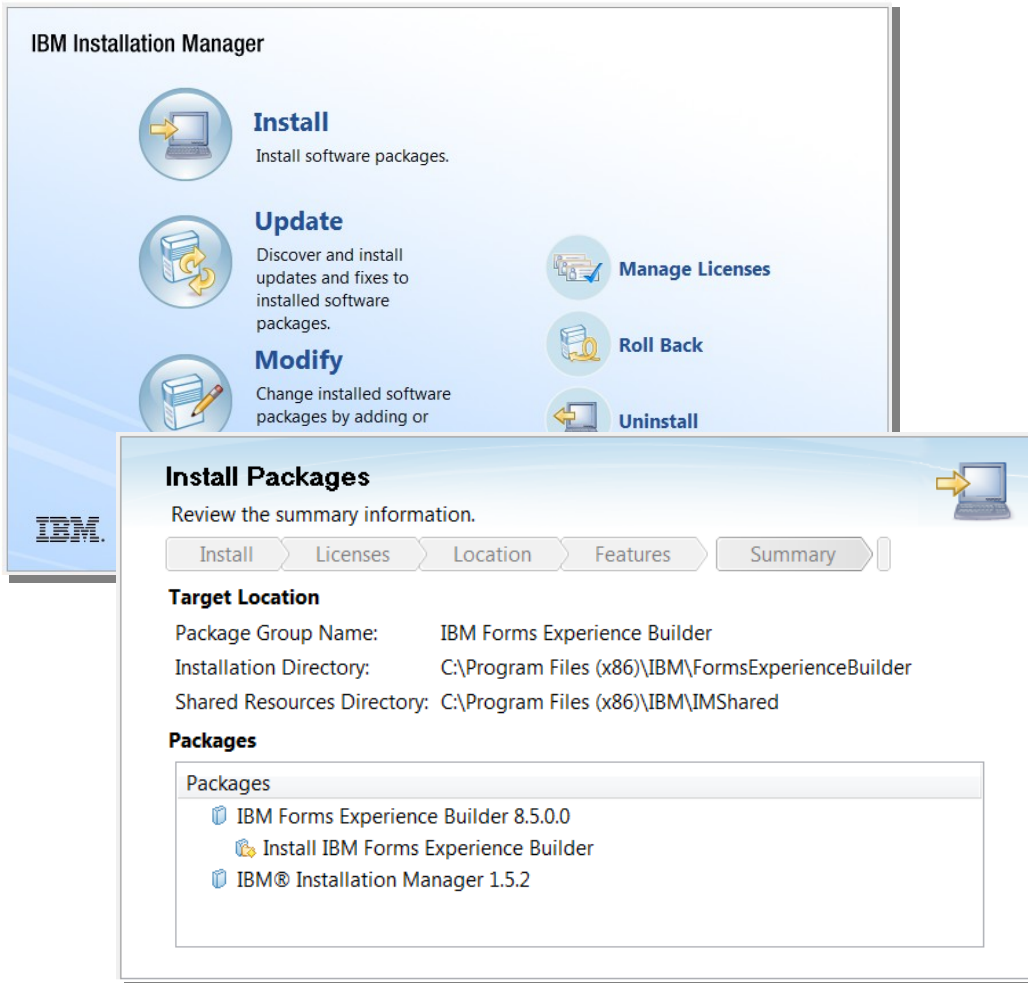
Step 1: Mail Session
✔ The mail session has been provided and configured.

Step 2: Application Dependencies
✔ The applications are up-to-date.



- General solution performance has been improved
 - Revised database configuration settings to increase server performance
 - Database tuning to optimize size and I/O activity

Faster and simpler product installation approach for FEB v8.5



- Easy to use and highly automated installation using IBM Installation Manager and Launchpad
- Installer can install a FEB server:
 - With existing WebSphere Application Server
 - With existing WebSphere Portal Server
- Installer can also:
 - Install FEB Connections Integrator for community survey enablement
 - Install out-of-the-box package of FEB with WeSphere Application Server Community Edition
 -
-

Forms Experience Builder Architecture

Product framework reduces the gap between end-user development and IT administration enabling rapid deployment of web form solutions.

–
Collaborative framework

- LOB User: WYSIWYG-like tooling
- IT staff: ACL, SOA services & plugins
- Others: CSS, JavaScript API
- Export/Import forms

Proven methods

- Packaged as an EAR
- Security provided by J2EE container
- Datasource connection to DB2

Extensible

- REST interfaces
- Services interface
- Data API for captured data

Scalable

- Client-side web processing
- 100% stateless server-side

