

Lotusphere2012

Business. Made Social.

Session BP109 Apps, Apps,
and More Apps: Meet the Very
Best Open Source Apps from
OpenNTF - The 2012 Edition

Bruce Elgort | OpenNTF / Elguji Software
Niklas Heidloff | IBM / OpenNTF





Introductions



Senior Software Engineer, IBM
OpenNTF Technical Committee
Working Group Chair
@nheidloff



Elguji Software, Inc.
OpenNTF Chairman
Taking Notes Podcast
@belgort



Birds-of-a-Feather

5:45PM Swan Toucan 2

Session Evaluations

Thank you for filling them out



OpenNTF.Org





Typical Monthly Statistics

17K+ Project downloads

40+ Releases

300K+ Page views

80K Visitors

K = 1,000



The First Development Contest

Contest Goal:

To create re-usable XPages controls

Contest Criteria:

1. Reusability, “consumability” and documentation
2. Overall "Wow" factor and completeness of solution
3. Overall business value
4. Special consideration was given to developers new to XPages and OpenNTF
5. Originality factor





Contest Results

The submissions:

- 22 individual contributors
- 49 entries which contained 54 custom controls and 10 library controls
- 14 first time OpenNTF contributors << **Awesome**

The winners:

- **Ferry Kranenburg** - Multi Database Search Control
- **Dennis Chen** - ZK Spreadsheet for XPages
- **Rami Muurimaki** - XPages PDF Exporter Custom Control



The “real” winners:

The community



The Second Development Contest

Contest Goal:

To create mobile and/or social apps

Contest Criteria:

1. Reusability, "consumability" and documentation
2. Overall "Wow" factor and completeness of solution
3. Overall business value
4. Amount of work to build submission(s)





Contest Results

The submissions:

- 17 individual contributors
- 23 contest entries
- 5 first time OpenNTF contributors

The winners:

- **Mark Hughes** - ITANA Tasks app
- **Ferhat Bulut** - Mobile Admin app
- **David Marko** - Mobile Contacts and Reminders app



The “real” winners:

The community



22 Apps

- XSnippets
- Social Enabler
- JDBC
- Mobile Address Book
- hedersoft Tweet
- Mobile Contacts and Reminders
- Mobile Help App
- Mobile ToDos
- Mobile Admin
- Mobile Navigator
- Lotus People
- Event Signup
- WatrCoolr
- XBlog
- View Picklist Control
- Search and Tag Cloud
- Java Charts
- ZK Spreadsheet
- Re-Captcha
- Select DB Control
- Uni-Form
- PDF Exporter



XSnippets

Type of App:

XPages app for sharing code “snippets”

Typical Use Case:

Development teams who need to share code snippets

Project Team:

Bruce Elgort

Niklas Heidloff

Serdar Başeğmez

Frank van der Linden

Rene Winkelmeier

Download:

<http://xsnippets.openntf.org>



Share your Code with others

Enter Keywords



XSnippets Home

XSnippets by Popularity

Best rated XSnippets

Most recent XSnippets

XSnippets by Language

XSnippets by Author

Create XSnippet

Follow XSnippets

Recently Added

get global SSJS Object for use in JAVA

JAVA Josef Prantauer

SSJS Form Validation That Triggers ErrorMessage Controls

SSJS Don Mottolo

Sort Array

SSJS Ulrich Krause

Display Client-Side alert if Server-Side validation fails

SSJS Russell Maher

Get SessionID in SSJS

SSJS Sven Hasselbach

Adding Buttons to oneUI Place Bar from compositeData

SSJS Steve Pridemore

getHashUrlVars

CSJS Thomas Adrian

TypeAhead OnStart/OnComplete Event

CSJS Sven Hasselbach

Sort an array of JavaScript / JSON objects

SSJS Mark Leusink

Popular

XAgent

XSP Niklas Heidloff

DbLookup & DbColumn, with cache, sort and unique

SSJS Tom Steenbergen

getComponentValue

SSJS F van der Linden

Generation of client side JavaScript using server side JavaScript

XSP Niklas Heidloff

Getting/Checking ACL Role of the user

SSJS Serdar Basegmez

Create HTML mails in SSJS using MIME

SSJS Mark Leusink

Define styles for mobile devices

XSP Henning Schmidt

Get CKEditor (RichTextItem) Object in CSJS

CSJS Ferhat BULUT

Delete a file from the OS

SSJS Mark Leusink

Get page name

SSJS Aidan. Cooper



The Social Enabler

Type of App:

XPages app that demonstrates how to add “social” services to your apps.

Typical Use Case:

Allow access to Dropbox files, LotusLive files, Activity Streams, IBM Connections status updates, Facebook comments and Like functions.

Project Team:

IBM including Niklas Heidloff

Download:

<http://socialenabler.openntf.org>



Mozilla Firefox: IBM Edition

File Edit View History Bookmarks Tools Help

http://nheidloff-1/XPagesSBT.nsf/SBTActivityStreamsJson.xsp

http://nheidloff-...tyStreamsJson.xsp

X PAGES Home Extension Library Social Enabler XPages.info Development Contest IBM XPages Wiki Niklas Heidloff

IBM Connections LotusLive Dropbox Facebook IBM Sametime **IBM Social Business Toolkit** Utilities

Social Enabler - Social Business Toolkit Activity Streams JSON

Activity Streams JSON

Activity Streams XML

API Test

Mobile

OAuth Dance

Note: The Social Business Toolkit samples work against the toolkit currently (September 2011) deployed on Greenhouse. However the SBT REST APIs will change.

Add an Activity

Activity Stream View As JSON Text

Show Details Hide Details

Previous 1 Next

Content	Date
Workflow event	Dec 31, 1969
bookmarked a page	Dec 31, 1969
you have a new voice mail message	Dec 31, 1969
posted a blog entry in	Dec 31, 1969
Stock Agent Posted stock named "IBM (Public, NYSE:IBM)"	Dec 31, 1969
This is an example or a status update.	Dec 31, 1969

(c) 2011 IBM Corp.

Done Fiddler: Disabled



JDBC

Type of App:

Part of XPages Extended Extension Library. Allows you to connect to RDBMS systems.

Typical Use Case:

When you need to view or update data in an RDBMS such as DB2.

Project Team:

IBM

Download:

<http://extlib.openntf.org>



X PAGES
Home
Niklas Heidloff
Help

XPages Relational Data Access Demo
Setup

Home
Static View Panel - Table
Static View Panel - Query
Static View Panel - Query+Count
Static View Panel - SQL File
Static View Panel - Parameter
Dynamic View Panel
Cached RowSet Read/Write data source
SQL Query
Database Meta Data
Table Meta Data
@Functions()

Parameterized SQL query

View panel displaying a parameterized SQL query using standard '?' in the SQL statement. The actual value of the parameters are coming from the 'parameters' property of the data source

Note that the list of entries of the combobox is composed using a new @JdbcDbColumn() function.

Select a State:

Previous		1	Next	
ID	First Name	Last Name	City	State
126	Andy	Hinton	South Bend	IN
38	Liza	Valdez	INpolis	IN
76	Jill	Calhoun	South Bend	IN



Mobile Address Book

Type of App:

This application will pull down information from your corporate directory or any address book you specify in the settings document, including personal contacts, and then save the information for offline use. Domino server 8.5.2, or 8.5.3, are required as is Session Authentication.

Typical Use Case:

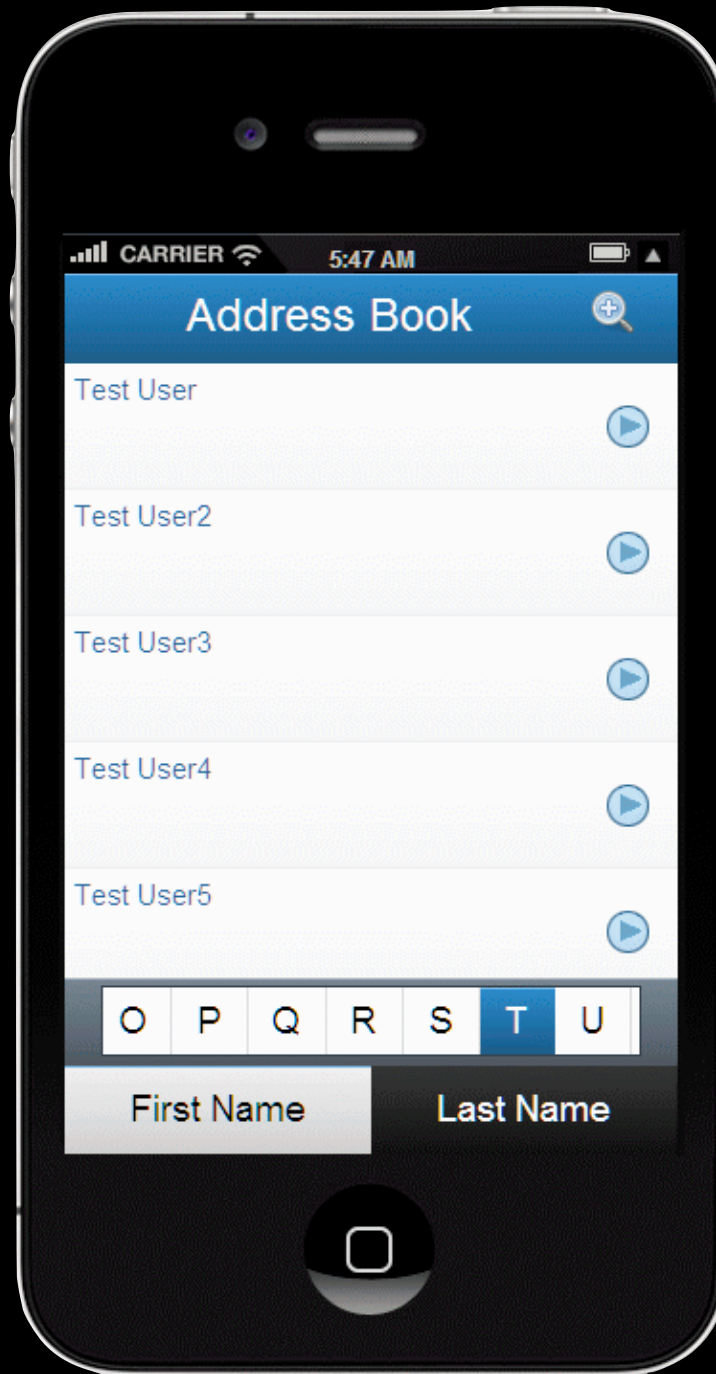
People need access to the corporate directory or any address from their mobile device.

Project Team:

Mark Hughes

Download:

<http://openntf.org/p/mAddressBook>





hedersoft Tweet

Type of App:

XPages Twitter application

Typical Use Case:

View your Twitter stream, mentions, direct messages and more. You can also post Tweets.

Project Team:

Henning Schmidt

Download:

<http://openntf.org/p/hedersoft%20tweet>





Mobile Contacts and Reminders



Type of App:

Mobile contacts and reminders with email access and ability to use offline.

Typical Use Case:

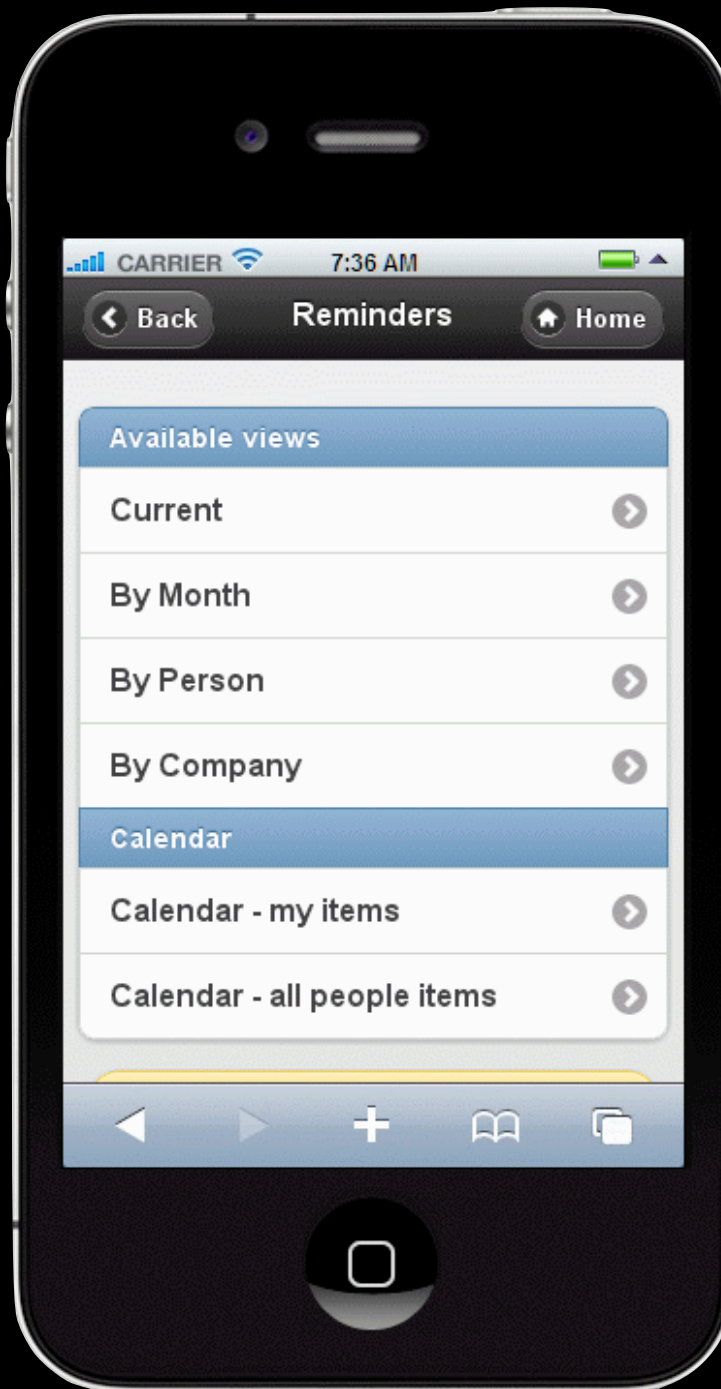
For people who need mobile access to contacts and reminders as well as offline.

Project Team:

David Marko

Download:

<http://openntf.org/p/mobile%20contacts%20and%20reminders>





XPages Help App

Type of App:

XPages Online Help Application

Typical Use Case:

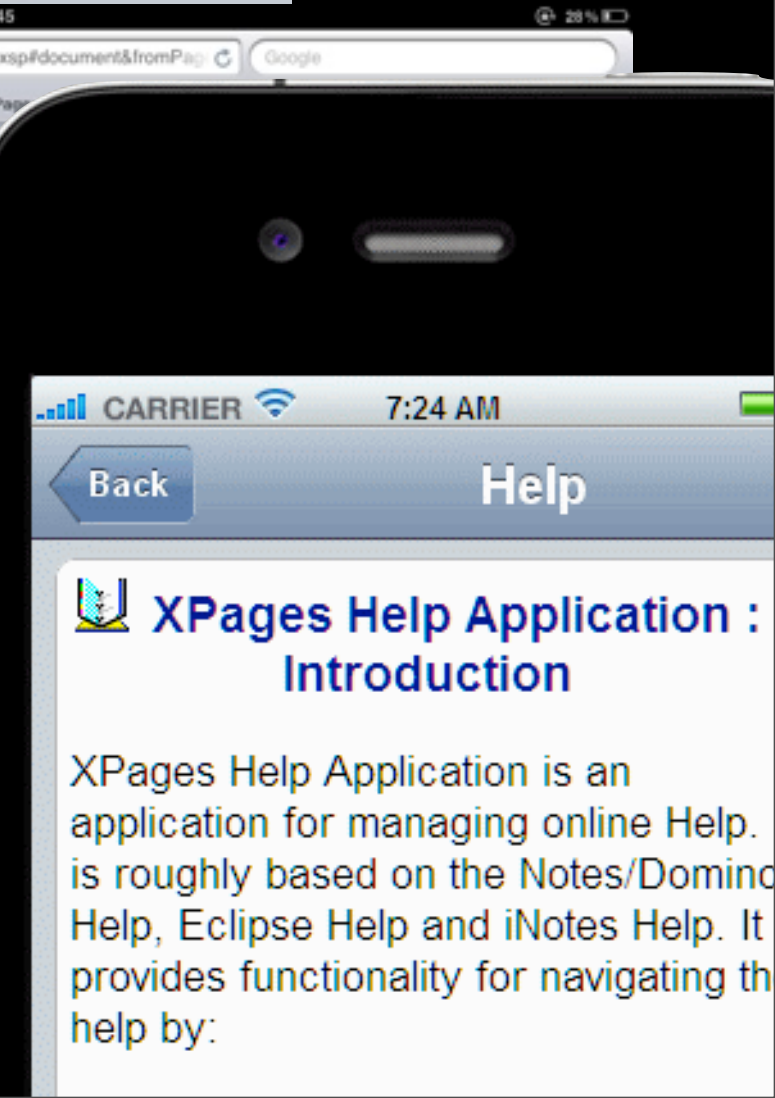
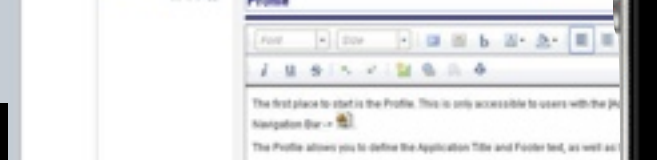
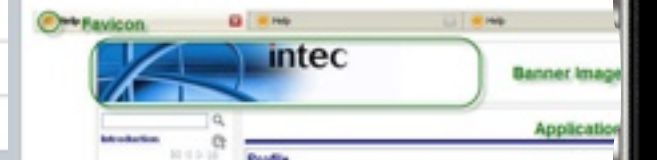
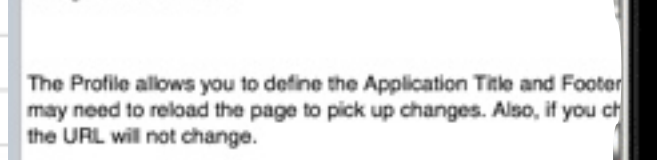
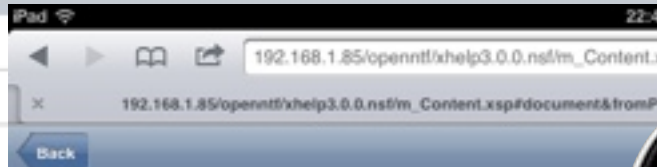
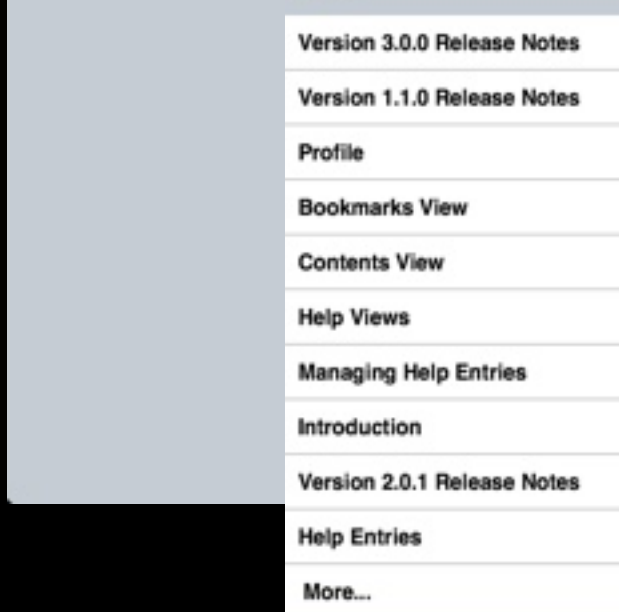
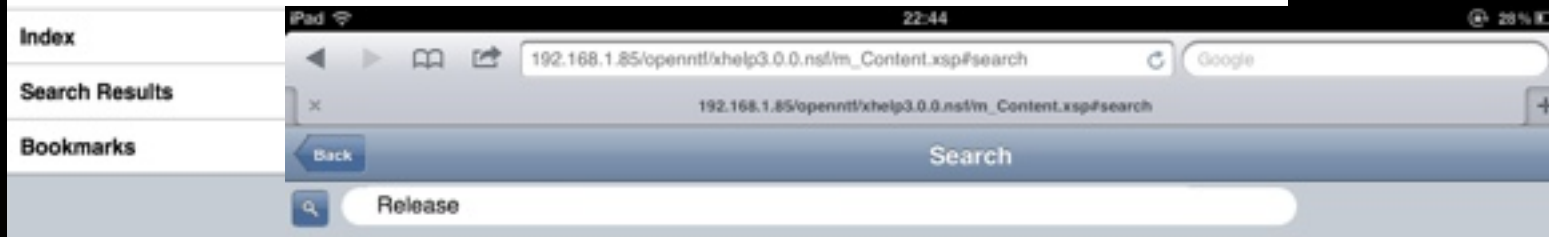
Use to supply “help” documentation for business apps, business processes or other things that require a structured documentation.

Project Team:

Paul Withers - Intec

Download:

<http://openntf.org/p/XPages%20Help%20Application>





ITANA Tasks



Type of App:

This application allows you to view, edit, and create your Lotus Notes Tasks while offline on your iPhone and Android device. No mail or system templates need to be modified. The user mail files can be kept untouched on their original mail server. No upgrades needed!

Typical Use Case:

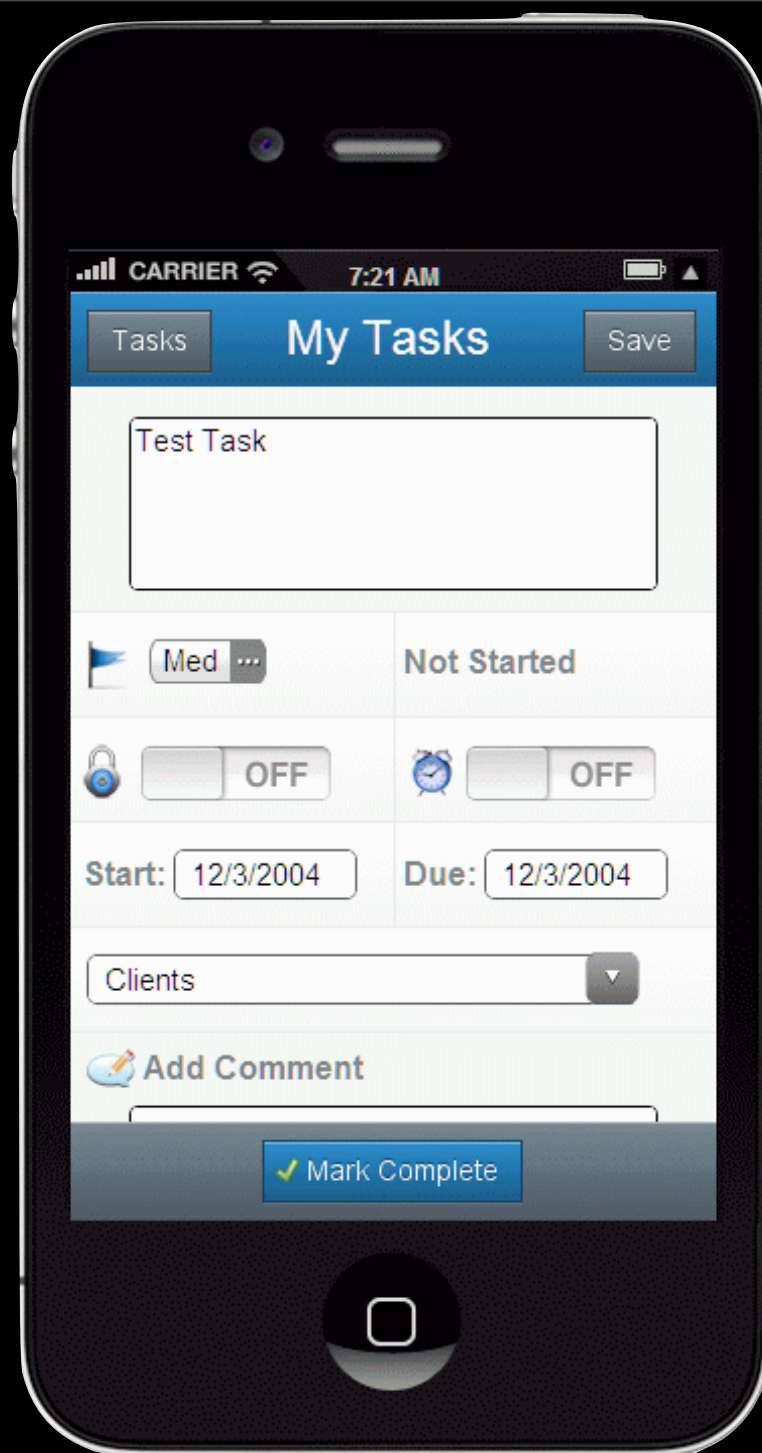
Mobile users who need access to their Lotus Notes tasks from an iPhone or Android phone.

Project Team:

Mark Hughes

Download:

<http://openntf.org/p/ITANA%20Tasks>





Mobile Admin



Type of App:

Application is designed to trigger Agents and IBM Domino server console commands. It works online and you need to have at least Console Administrator rights on the IBM Lotus Domino server to use this application.

Typical Use Case:

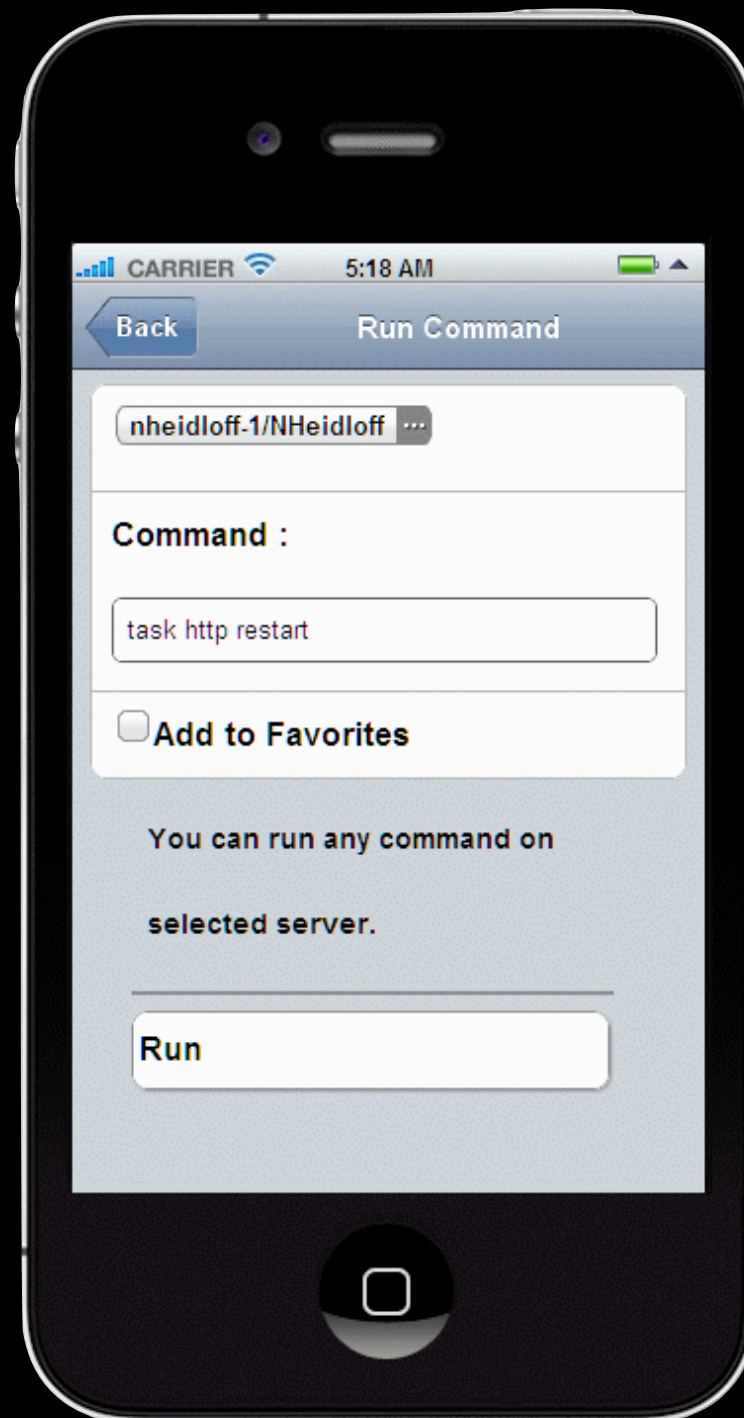
Use when you don't have access to the full IBM Domino Administrator client.

Project Team:

Ferhat Bulut

Download:

<http://openntf.org/p/Mobile%20Admin>





Lotus People

Type of App:

XPages app to help you locate “Lotus people” around you. But can be used for any skill set.

Typical Use Case:

Use the Lotus People site to find Lotus developers, talent and friends.

Project Team:

Mariusz Jakubowski

Download:

<http://openntf.org/p/LotusPeople>



Lotus People

Niklas Heidloff | Logout
Edit

Niklas Heidloff

Pader, Paderborn, Germany

Website: <http://heidloff.net>

Niklas Heidloff

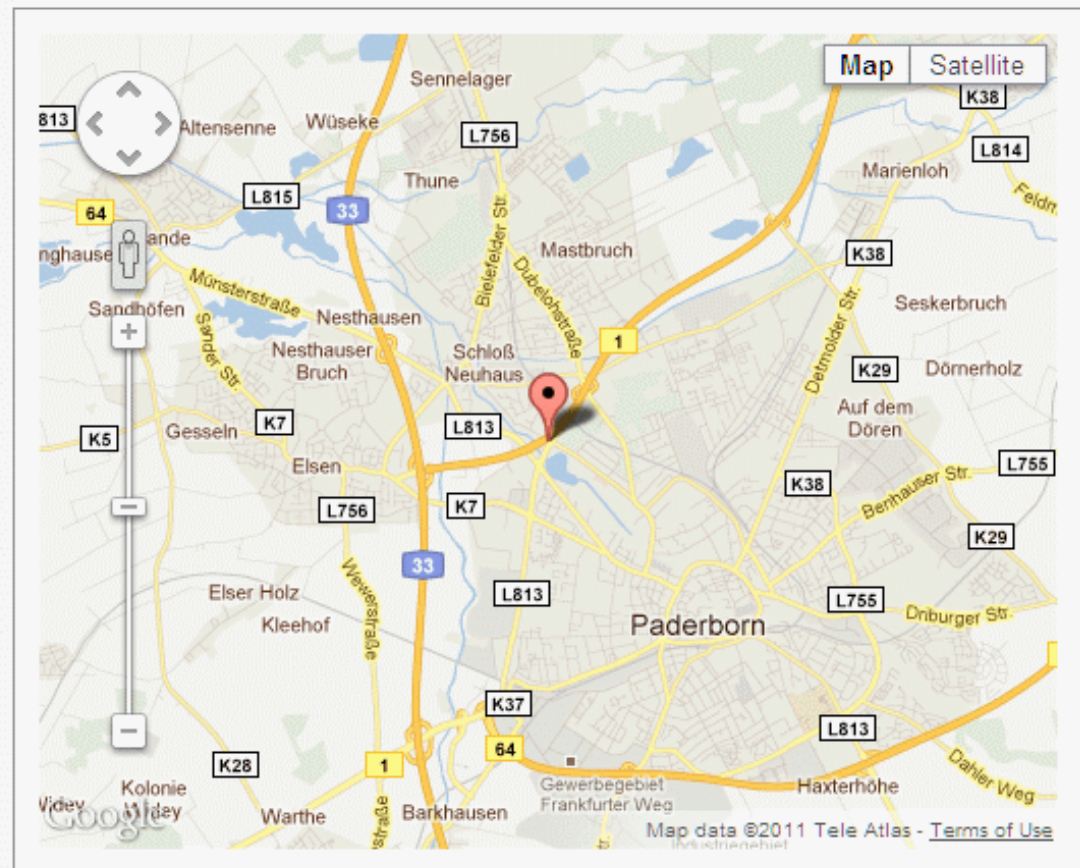
Software Architect at IBM
Bielefeld Area, Germany

[View Profile](#)



Skills:

- XPages





Event Signup

Type of App:

XPages app for event registration. Both web and mobile.

Typical Use Case:

This application is used to describe an event or social activity and store the names, email addresses and (optionally) the Twitter IDs of those who self-register. The site content can be changed via the browser by non-developers through the use of the CKEditor in rich text fields. Non-developers can also change site settings, such as the title and when registration opens.

Project Team:

Mike McGarel

Download:

<http://openntf.org/p/Event%20Signup>



Site Settings

General Settings

Site name: Event Signup

Registration Email

Activation: ☐ A

Email Subject:

Reply To: (Note

Sender Name:

CC To:

BCC To:

Message:

Edit Settings

Event Signup

Edit Content

Home

Details

Rules

Registration

Previous

Tab Text: Registration

Status: ☒ Pre-Registration ☐ Registration open ☐ Registration closed

Preregistration

Source

Styles Format Font

representation text

CARRIER 2:44 AM

Event Signup

Home

Details

Rules

Registration

open registration text

* = required field

Name:*

Email:*



WatrCoolr

Type of App:

Persistent group chat application based on XPages

Typical Use Case:

Use when a group needs to maintain a persistent chat to discuss business issues, development work or just about anything.

Project Team:

Tim Tripcony

Download:

<http://openntf.org/p/watrCoolr>



watrCoolr
Niklas Heidloff

Active Chats

+ New Chat

Archived Chats

Search all chats...

How long does the chat last on the server?

3:14 PM

Mark Hughes

was just wondering

3:14 PM

Mark Hughes

i see you online now

3:14 PM

Keith Strickland

dunno how long it lasts, but starting to look nice :)

3:14 PM

Mark Hughes

yep

3:14 PM

Keith Strickland

would be cool if the icon for the people changed when typing

3:15 PM

Mark Hughes

☹

3:15 PM

Mark Hughes

yep, i think he plans on it

Online

Niklas Heidloff

Press ALT 0 for help



XBlog

Type of App:

Used for blogging. Web and mobile clients.

Typical Use Case:

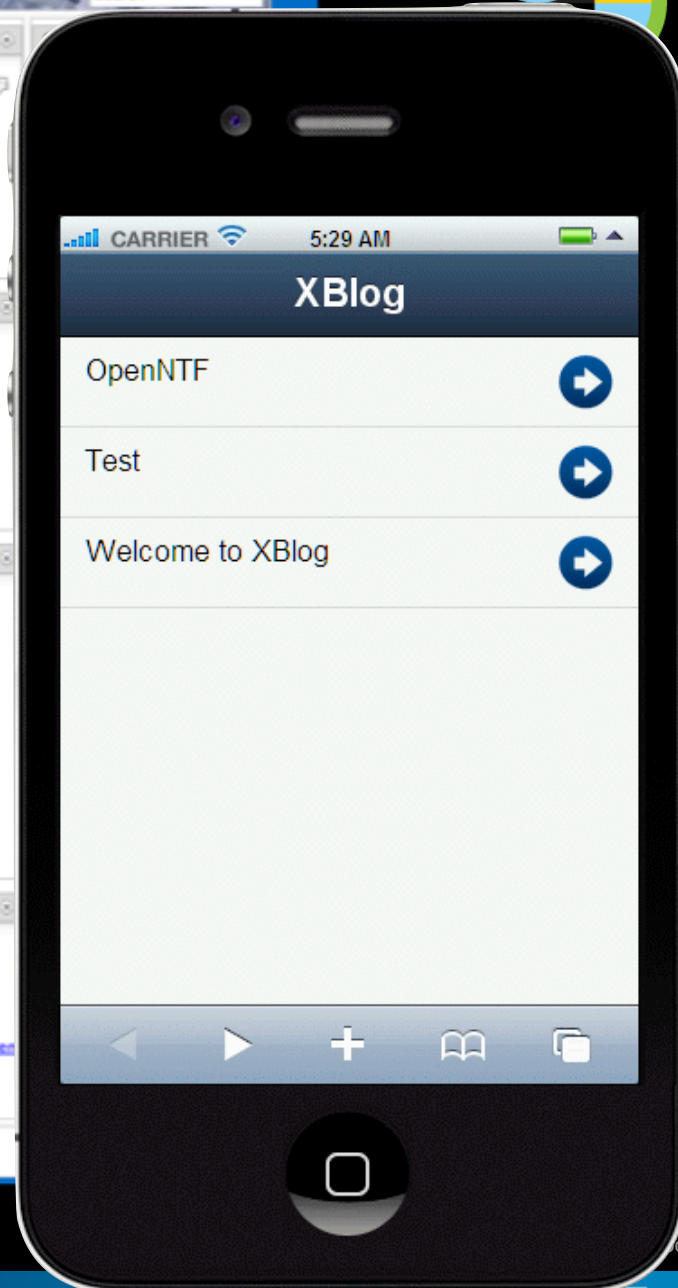
Company or personal blog. Also used internally by groups or departments to keep others informed of projects, events and other relevant topics.

Project Team:

Keith Strickland

Download:

<http://openntf.org/p/XBlog>





View Picklist Control

Type of App:

XPage Custom Control ViewPicklist

Typical Use Case:

This is a set of two custom controls that allow you to present a dialog box where you can select values from a view (or view documents) to populate a field or scope, and also allow you to remove individual items from a field or scope value using the multi value deselect custom control (included).

Project Team:

Mark Hughes

Download:

<http://openntf.org/p/View%20Picklist%20Custom%20Control>



this is the title



Search

First

Previous

Page 1 of 9

Next

Last

	Name	Address	City
	Abbott, Kenyatta	2425 Freed Drive	Stockton
	Adams, Angie	2005 Crosswind Drive	Bowling Green
	Adams, James	1549 Cambridge Drive	Phoenix
	Adams, Keith	1620 Joes Road	Albany
	Adams, Michael	3710 Paradise Lane	Claremont
	Addison, Guadalupe	423 Cabell Avenue	Beltsville
	Addison, Nathan	2213 Aspen Court	BOSTON
	Adkins, Samuel	2713 Colonial Drive	LEXINGTON
	Ainsworth, Adrian	1357 Sycamore Lake Road	Oshkosh
	Albert, Jerry	4123 West Virginia Avenue	AMSTERDAM

Cancel

Finish



Search and Tag Cloud Control

Type of App:

Search a database and get a tag cloud and search results.

Typical Use Case:

Great add-in for any app that needs a nice search results page.

Project Team:

Frank van der Linden

Download:

<http://openntf.org/p/Xpage%20Search%20And%20Tagcloud%20control>



Search

you have searched for

xpages

Found: 7 results

Notes social business IBM
Connections Domino Lotus Domino
social software XPages Xpages

✕ Lotusphere

xpages

label search button

Terug

1

Door

Lotusphere deel II

CN=Eline Roelfsema/OU=EOF/O=EOG | Tags: Lotusphere, IBM, Lotus Domino, Notes, Xpages

Puntsgewijs informeren Arjan Uij en Frank van der Linden u over de inhoud van een aantal Lotusphere sessies.

Lotusphere ook in 2011 naar Nederland

CN=Eline Roelfsema/OU=EOF/O=EOG | Tags: Lotusphere, IBM, Lotus Domino, Notes, Xpages, social business, social software, Connections

Ook dit jaar komt Lotusphere, hét jaarlijkse internationale evenement van IBM over Lotus, naar Nederland. En wel op 17 maart aanstaande.

Lotusphere deel III

CN=Eline Roelfsema/OU=EOF/O=EOG | Tags: Lotusphere, IBM, Lotus Domino, Notes, Xpages, social business, social software, Connections

Arjan Uij en Frank van der Linden informeren u over de inhoud van een aantal sessies van Lotusphere 2011.

Lotusphere Comes To You 2011 eventverslag

CN=Eline Roelfsema/OU=EOF/O=EOG | Tags: Lotus Loves People, LCTY2011, Lotusphere, social business, Connections, LotusLive, XPages, Domino

Partners van Lotus Loves People organiseerden het event LCTY 2011. Een kort verslag.

Lotusphere 2011 bij u op locatie

CN=Giorgio Moolenbeek/OU=EOF/O=EOG | Tags: Lotusphere, IBM, Lotus Domino, Notes, Xpages, social business, social software, Connections

Eind januari vond Lotusphere 2011 plaats in Orlando, Florida. Onze specialisten komen graag geheel vrijblijvend naar u toe voor een interactieve presentatie.



Java Charts

Type of App:

Java Charts enables you to create various types of charts and display them on your XPage. It also provides you with ability to export these charts to PDF file.

Typical Use Case:

Use in any application that requires charting.

Project Team:

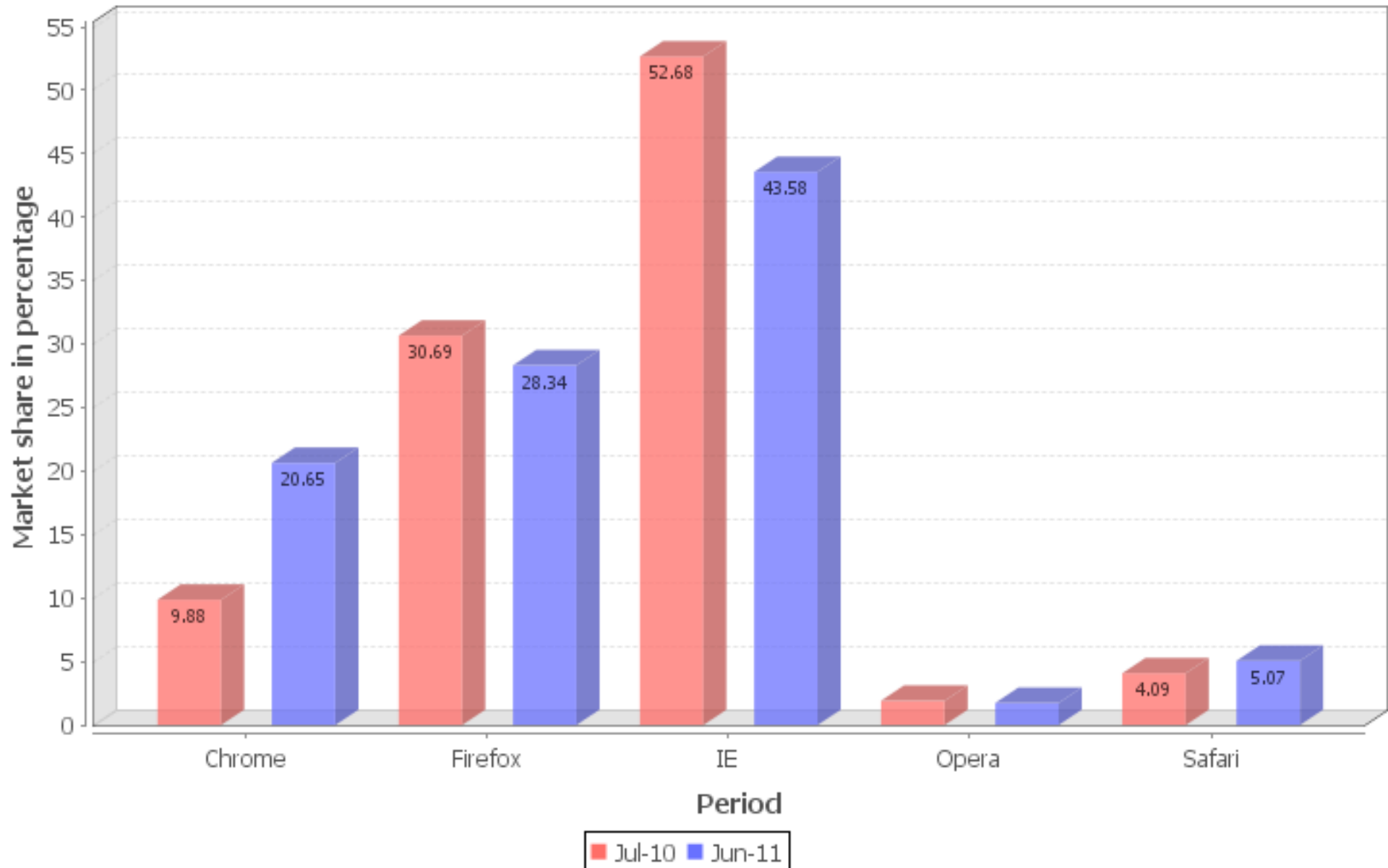
Naveen Maurya

Download:

<http://openntf.org/p/Java%20Charts>

Browser Market Share - Comparison (Bar 3D)

Generated on Jul 13, 2011 at 10:15 IST





ZK Spreadsheet



Type of App:

Embeddable XPages online spreadsheet.

Typical Use Case:

Use when you need to embed spreadsheet capabilities into your applications.

Project Team:

Dennis Chen

Download:

<http://openntf.org/p/ZK%20Spreadsheet%20for%20XPages>



localhost/zssdemo-ontf.nsf/rich x

localhost/zssdemo-ontf.nsf/richSpreadsheet.xsp

File Edit View Format Insert Help

f(x)

Input Liquidity Assets Profitability Debt Market

Ratio Analysis

Values in grey cells are automatically calculated using predefined formula, no alterations required.

Line Item	Beginning of Year
Inventory	\$12,500
Total assets	\$120,000
Owners' equity	\$29,000
Number of common shares	25,000

Line Item	Q1	Q2	Q3	Q4	Annual
Current assets	45,000	46,000	46,500	56,000	\$193,500
Fixed assets	80,000	80,000	80,000	80,000	\$320,000
Total assets	125,000	126,000	126,500	136,000	\$513,500
Average total assets	122,500	123,000	123,250	128,000	\$496,750
Cash and cash equivalents	15,000	18,000	16,500	14,350	\$63,850
Inventory	15,000	18,000	16,500	14,350	\$63,850
Average inventory	13,750	15,250	14,500	13,425	\$56,925
Current liabilities	23,000	25,000	22,500	25,600	\$96,100
Total liabilities	125,000	125,000	125,000	110,000	\$485,000
Owners' equity	28,000	30,900	32,000	26,000	\$116,900



Re-Captcha Control

Type of App:

Uses Google's Recaptcha API to add captchas to your XPages.

Typical Use Case:

Use on public facing websites to avoid spammers posting unwanted content.

Project Team:

Marco Dreher

Download:

<http://openntf.org/p/Recaptcha%20Custom%20Control>



Sample Form

Remark

Don't forget to enter your personal public/private keys in the corresponding properties of the Custom Control. These are mandatory!

Forgot Password

Username:

reality1 Some

Enter the words above:



Send password

[Cancel](#)

Introduction

1. Submit the form and see that you get error messages for both fields since they are required
2. Enter a wrong captcha and see that you get a specific captcha validation message inside the captcha
3. Enter the correct captcha but no username. The captcha will disappear (since it is solved) and only the username field will remain
4. Press the cancel button and the captcha will reappear
5. Enter both fields correctly and submit the form. It will be processed successfully!



Select Database Control

Type of App:

Custom control that contains all necessary functionality to give XPages apps with an “Application Open...” dialog just like the Notes client.

Typical Use Case:

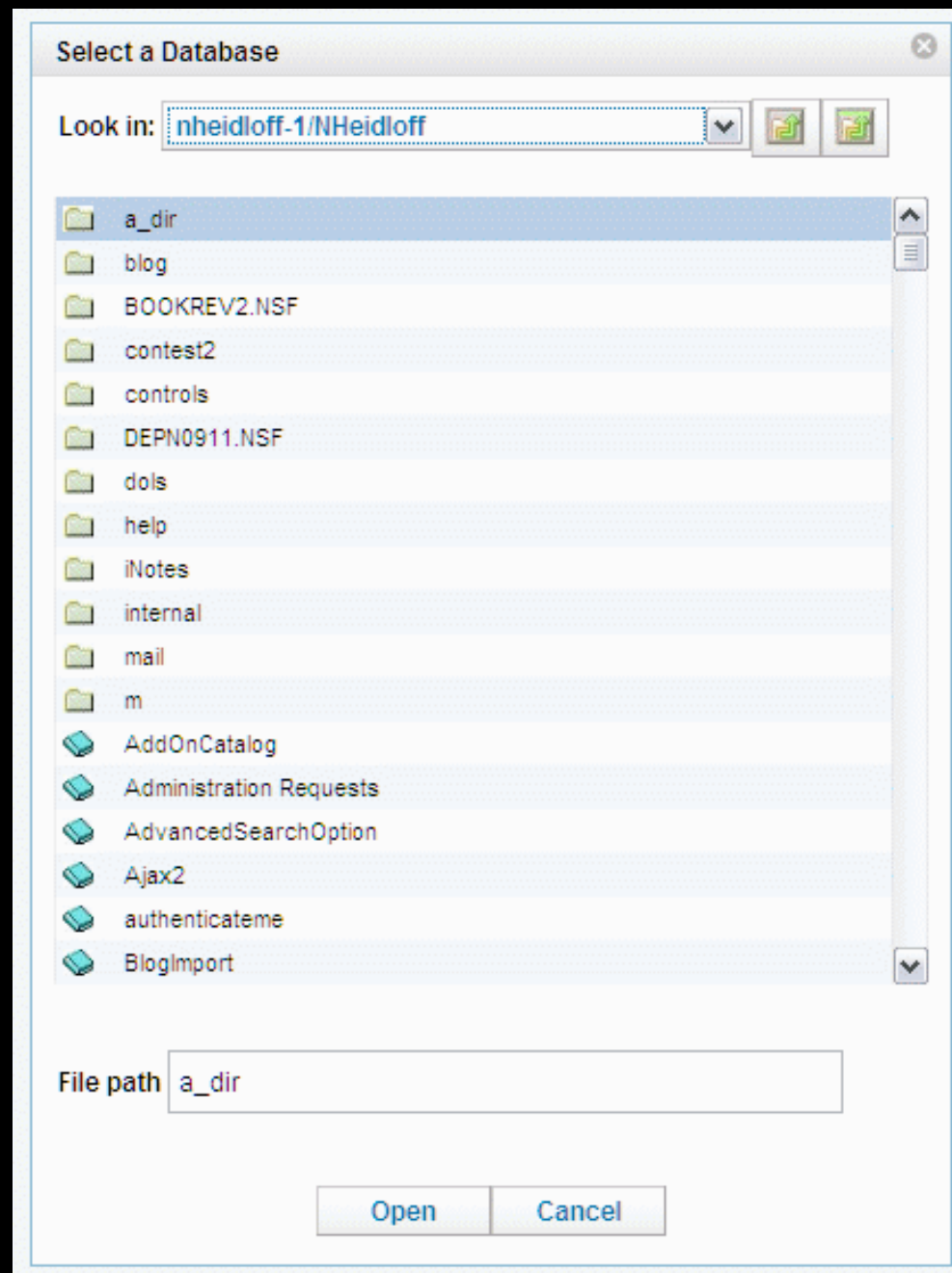
Add to any database where you need the user to be able to select from a list of databases on an IBM Domino server.

Project Team:

Lars Buntrock

Download:

<http://openntf.org/p/XPages%20Database%20Open%20Dialog%20Custom%20Control>





Uni-Form

Type of App:

Great looking and well structured, customizable, accessible and usable forms.

Typical Use Case:

Use when you need to render web forms using divs rather than tables.

Project Team:

Mariusz Jakubowski

Download:

<http://openntf.org/p/XPages%20Uni-Form>

XPages Uni-form Example

Inline layout

Default layout

Description

Uni-Form XPages test

Author: Mariusz Jakubowski

XPages.pl

Default

Small Text input

This section is created manually (not using uf:uniField).

Medium Text input

Please enter your name.

* Name

This is a default (large) text input.



PDF Exporter

Type of App:

Custom Control to create PDF Document from PDF templates.

Typical Use Case:

Use to create PDF's from your applications including using customized templates.

Project Team:

Rami Muurimäki



Download:

<http://openntf.org/p/XPages%20PDF%20Exporter%20Custom%20Control>

PDF Exporter Custom Control examples

This page contains couple of simple examples of how to use this Custom Control.

create pdf / stream

Creates a PDF and renders it to the Java Servlet Response OutputStream (directly to browser / client)
The PDF tTemplate is read from this database's File resources.

create pdf / file

Creates a PDF and saves it
The PDF tTemplate is read from this database's File resources.

create pdf / document

Same as example#1 but here

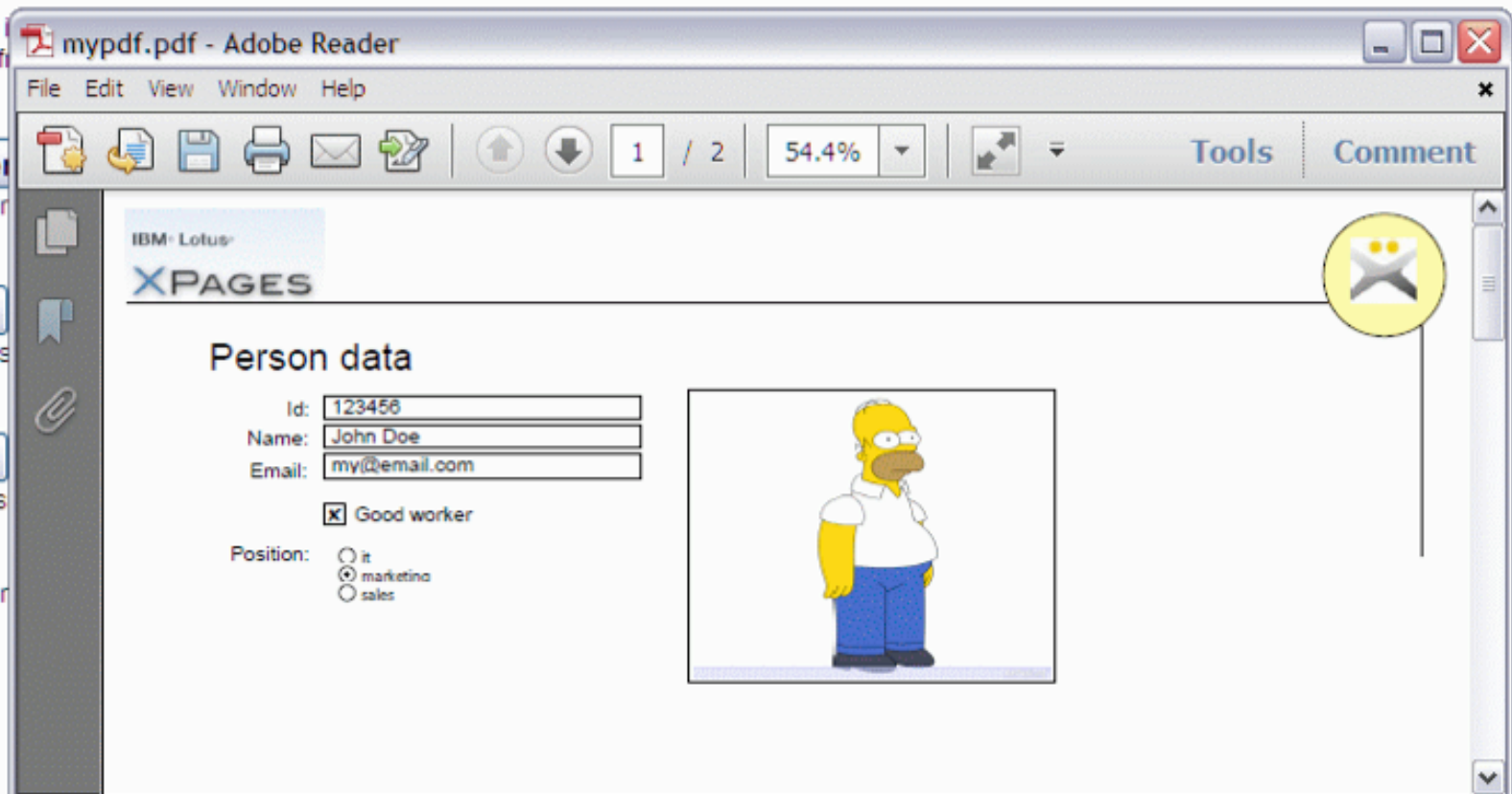
create pdf / stream

Same as example#1 but this

create pdf / stream

Same as above but this vers

Please study the custom cor





Agenda

- Introductions
- OpenNTF Overview
- The OpenNTF Development Contests
- OpenNTF by the Numbers
- Tour of Apps
- **Getting Involved With OpenNTF**
- Questions & Answers



Contribute Code

Three ways to contribute code:

- Create new project
- Join an existing project
- Contribute code to Snippets catalog

Steps to add a release to the catalogs of cleared project releases:

- Become an approved OpenNTF contributor by signing and sending an ICLA (individual contributor license agreements) or CCLA (corporate contributor license agreements)
- Apply the necessary license information
- Send email to ip-manager@openntf.org with a request to add release to catalog
- Reviewed by an OpenNTF Committer
- Added to the Catalog(s)



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<http://i.openntf.org>



<http://www.youtube.com/openntf>





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All customer examples described are presented as illustrations of how those customers have used IBM products and the results they may have achieved. Actual environmental costs and performance characteristics may vary by customer.

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