

XPages: After the Introduction

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About Me

- **Working with Notes since 1994**
 - ♦ I'm a customer - not a BP
- **Blog: www.lotusnotebook.com**
- **Notes In 9 ScreenCast**
 - ♦ notesin9.com - NEW!
 - ♦ Also on YouTube and coming back to iTunes
- **XPages Webinar**
 - ♦ Lotus Education Online - leonline.net
 - ♦ RockTeam - rockteam.com

Agenda

- **Review**
- **Getting Comfortable**
- **Starting Techniques**
- **Demo**
- **Q&A**

Why XPages?

- **Separation of UI from Data and Design**
 - ◆ **Allows Multiple Data Sources per Page!**
 - ◆ **Easy access to data from other databases**
 - ▶ **No need to Rip and Replace!!!**
- **Improves Data handling**
 - ◆ **Allows a @DbLookup inside a view!**
 - ▶ **Similar to a Join**
- **Runs inside the Notes Client!**
 - ◆ **Write Once - Run Twice (Browser and 8.5.1 Rich Client)**
 - ◆ **Can replicate data!!**

New Design Elements

- **XPage**
 - ◆ Similar to a Notes Form
 - ◆ More like a “container” to hold custom controls
 - ◆ Can “Bind” to more than one document at time
- **Custom Control**
 - ◆ Similar to a Sub Form
 - ◆ Can be used more than once on an XPage
 - ◆ Can take parameters
- **Server Side JavaScript Library**
 - ◆ JavaScript is the Language of Choice
- **Themes**
 - ◆ Allow consistent look and feel across apps

Scoped Variables

- **applicationScope**
 - ♦ Available to all users
 - ♦ Will get discarded after a period of time.
- **sessionScope**
 - ♦ Available to the current user
- **viewScope**
 - ♦ Life of the current page
- **requestScope**
 - ♦ Life of the current request (Very short)

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What's in a Language

- **JavaScript and Java are languages of choice**
 - ♦ You DON'T need to know Java - but it might help
 - ♦ Everything is **CASE SENSITIVE!**
- **JavaScript is not scary because:**
 - ♦ Many @formulas are accessible to JavaScript
 - ♦ Domino BackEnd Objects are accessible to JavaScript
 - ♦ JavaScript Syntax is easily found on the web!
 - ▶ **Google is your friend!**

Example - @Formula

- **@DbColumn(@DbName(),"viewname",1)**
 - ♦ Use Commas instead of semi-colons
 - ♦ Watch the Case!
 - ♦ lowercase b's
- This formula can be used **INSIDE** Server Side JavaScript

Example - Server Side JavaScript

```
key = document.getItemValueString("fieldname");  
id = @DbLookup(@DbName(),"view",key,2);  
return id
```

This is an example of JavaScript that combines backend objects with @Formulas.

XPages is Web 2.0

- **AJAX**
 - ♦ Can be as easy as a checkbox
- **CSS**
 - ♦ Advanced UI potential
 - ♦ Use a framework or create your own
 - ♦ **oneUI, BluePrint CSS**
- **Validation**
 - ♦ Nice methods to handle validation
- **Dojo**
 - ♦ Available for advanced features

CSS Gotcha!

- **Stick to Class Selectors**

- ♦ These use the .

- **Avoid ID Selectors**

- ♦ These use the #

- ▶ **XPages will override ID's**

- ▶ **This is because custom controls can be used repeatedly on a page**

Creating your Applications

- **Forms are used to define your fields**
 - ♦ Form design is not needed unless you're using traditional client
 - ♦ Why not include extra documentation on the form?
- **Views are used to structure your data**
 - ♦ Use for Lookups
 - ♦ Use for Sorting
- **Agents haven't changed.**
 - ♦ Still use LotusScript!!!

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Type Ahead

- **Built into Edit Box Control**
- **Use @DbColumn**
 - ♦ `@DbColumn(@DbName(),"viewname",1)`
- **Gotcha #1**
 - ♦ `@DbColumn` has a 64k limit!!!
 - ▶ **Use @DbLookup instead**
 - ♦ `@DbLookup(@DbName(),"view",key,1,"[PARTIALMATCH]")`
- **Gotcha #2**
 - ♦ Use "Full" Mode not Partial

Validating Fields

- **Client or Server Side Validation**
- **Server allows targets for error messages**
 - ◆ Individual (Display Error Control)
 - ◆ All together (Display Errors Controls)
 - ◆ Required and Length are built in
 - ◆ Other Validators available

Repeat Controls

- **Possibly the coolest thing in XPages!!**
- **Show View type data without any styling**
 - ◆ **Doesn't need to look like a table**
 - ◆ **You have complete control**
 - ◆ **Do lookups to data from inside a repeat**
 - ◆ **Can have nested repeats**
 - ◆ **Not just for documents!**
 - ▶ **Multi-Value Fields**
 - ▶ **Arrays**
 - ▶ **JSON**

Pager Control

- **Built in control**
 - ♦ Automatically created with View Control
 - ♦ Several formats are built in
 - ▶ Or build your own

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Resources

- xpagesblog.com / xpageswiki.com / [Domino Design Wiki](#)
- [Declan Lynch - qtzar.com](http://qtzar.com)
- [Tim Tripcony - timtripcony.com](http://timtripcony.com)
- PlanetLotus.org
 - **Matt White, Mark Hughes, Paul Hannan, John Mackey...**
 - **And many many more...**
- PlanetLotus.org
- TaskJam.net
- OpenNTF.org
 - **xTalk, namepicker**
- NotesIn9.com

Questions



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