ODTUG/IOUG APEX Symposium

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Migrations

What is a Migration?

"To shift, as from one system, mode of operation, or enterprise to another..."

- Dictionary.com

When do we Need to Migrate?

- **Birds**: when it gets cold
- **People**: when it gets hard to find work



When do we Need to Migrate?

- **Technology**: whenever its the most inconvenient time for developers and/or holiday weekends

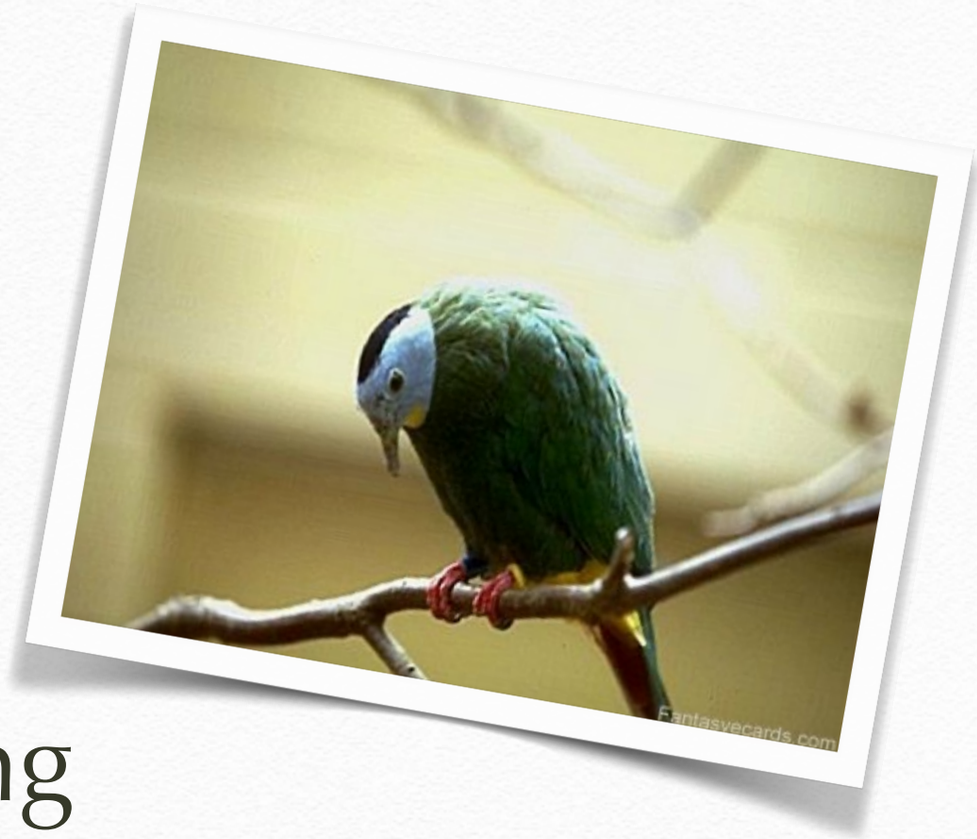


Non-Technical Migrations

- Most non-technical migrations involve changing environments
- Yet not drastic changes
- The types of environments typically remain constant

Flying South

- Birds fly south to avoid the cold
- But still live in trees, eat insects, fly around in the air…
- If they were forced to not fly or live in apartments, they would have a harder time adapting

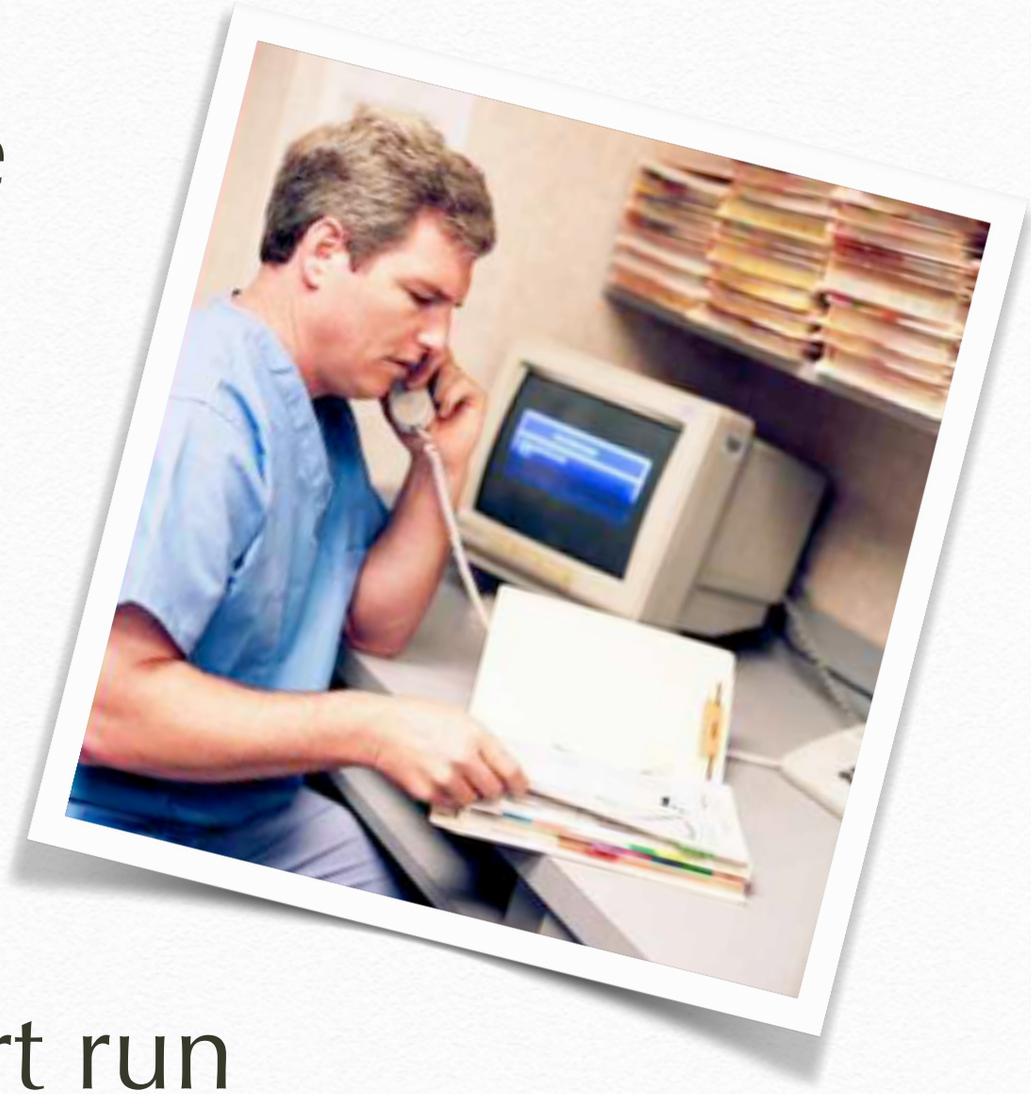


Moving On Up

- If a doctor can't find work, he may move to another area

- But he will still be a doctor

- A career change is possible, but not efficient nor profitable, at least in the short run



Technical Migrations

- Technical migrations have the same constraints as birds and people do
- The more different the target environment is, the more difficult the migration will be

Less is More

- Goal is to keep as many constants as possible during your migration
- Yet still migrate for the right reasons

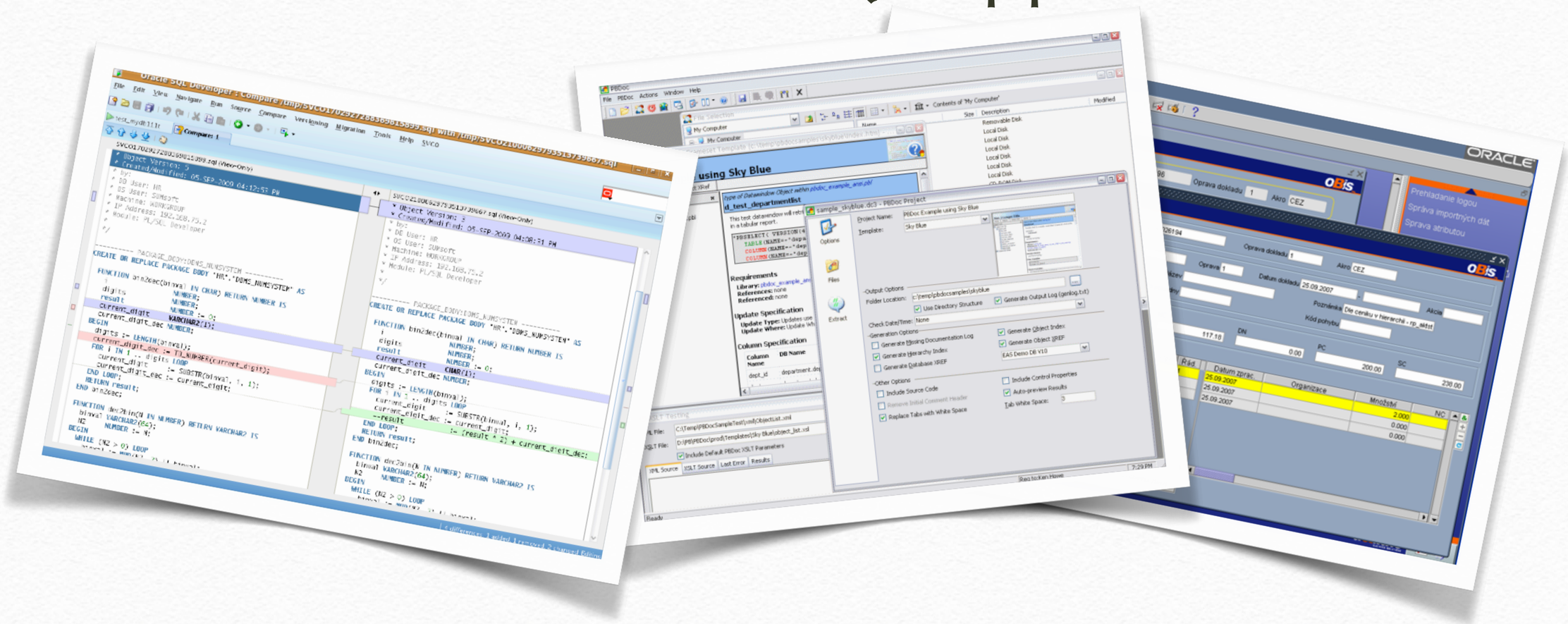
Your Last Migration

- How did it go?
- No coincidence that **Migration** and **Migraine** have the same root!



Where You're At

- Oracle Forms & Reports
- 3rd Party Client/Server tools
- Hand-coded PL/SQL applications



Getting Online

- Over 50% of businesses do not have the Internet presence they would like to have
  - Too hard
  - Too expensive
  - Not secure

**** This slide is completely made up, but you probably believed it, so it has to be accurate!***

Let's Make a Deal



Door #1



Hire an army of consultants to write "black box" code that only they understand and are capable of changing

Door #2



Hope the Internet is a fad and will soon pass like the hula hoop and avocado-green bathroom fixtures

Door #3



Fire your entire development staff and start from scratch

Door #4



Re-train your entire IT staff in a brand new technology that they have user nor heard of

Door #5

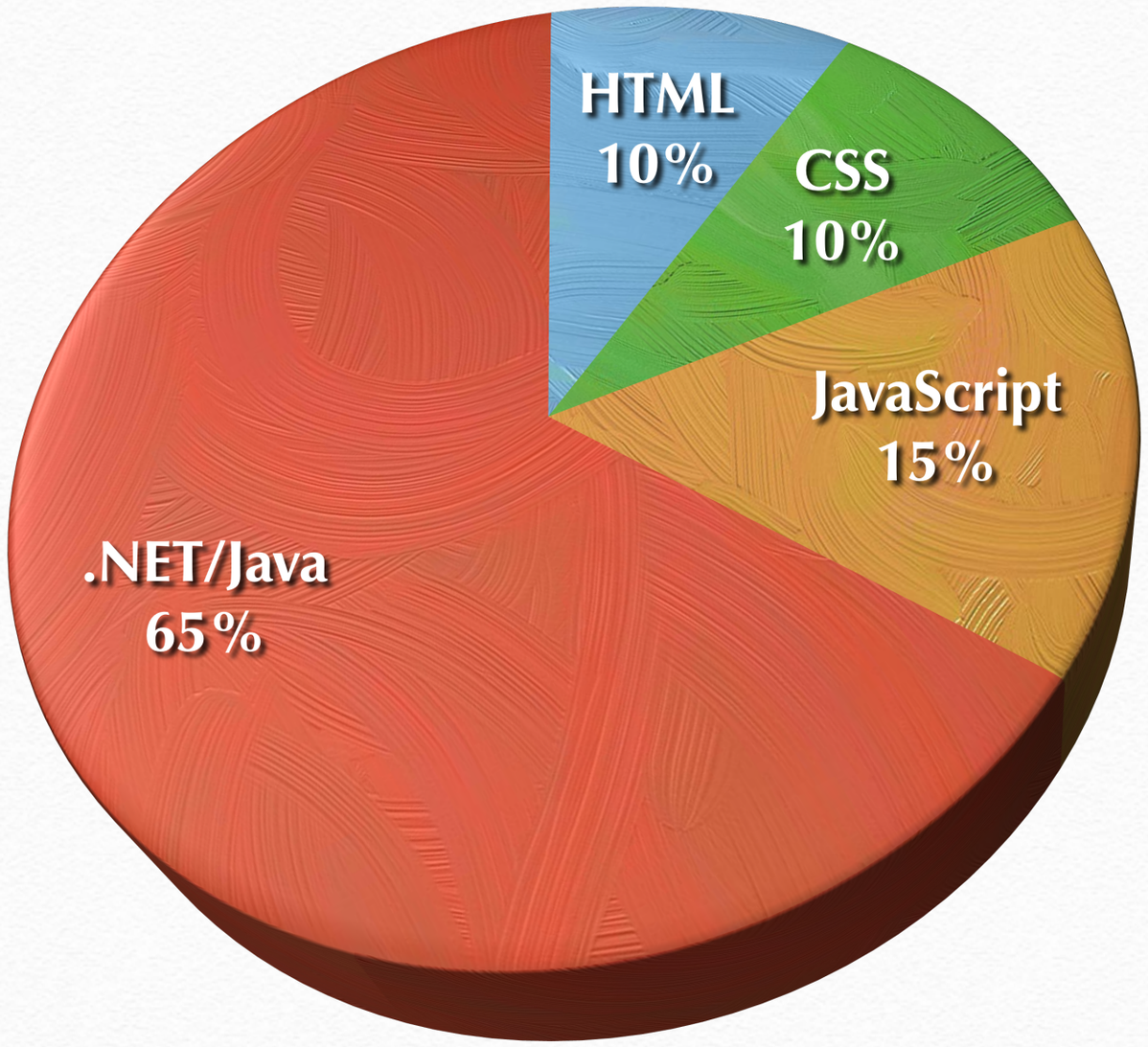


Oracle APEX

- No additional costs
- Leverage existing staff, talent & investments
- Re-invigorate your developers

Skills Required for .NET/Java

Training needed for 100% of the stack



Lots to Learn

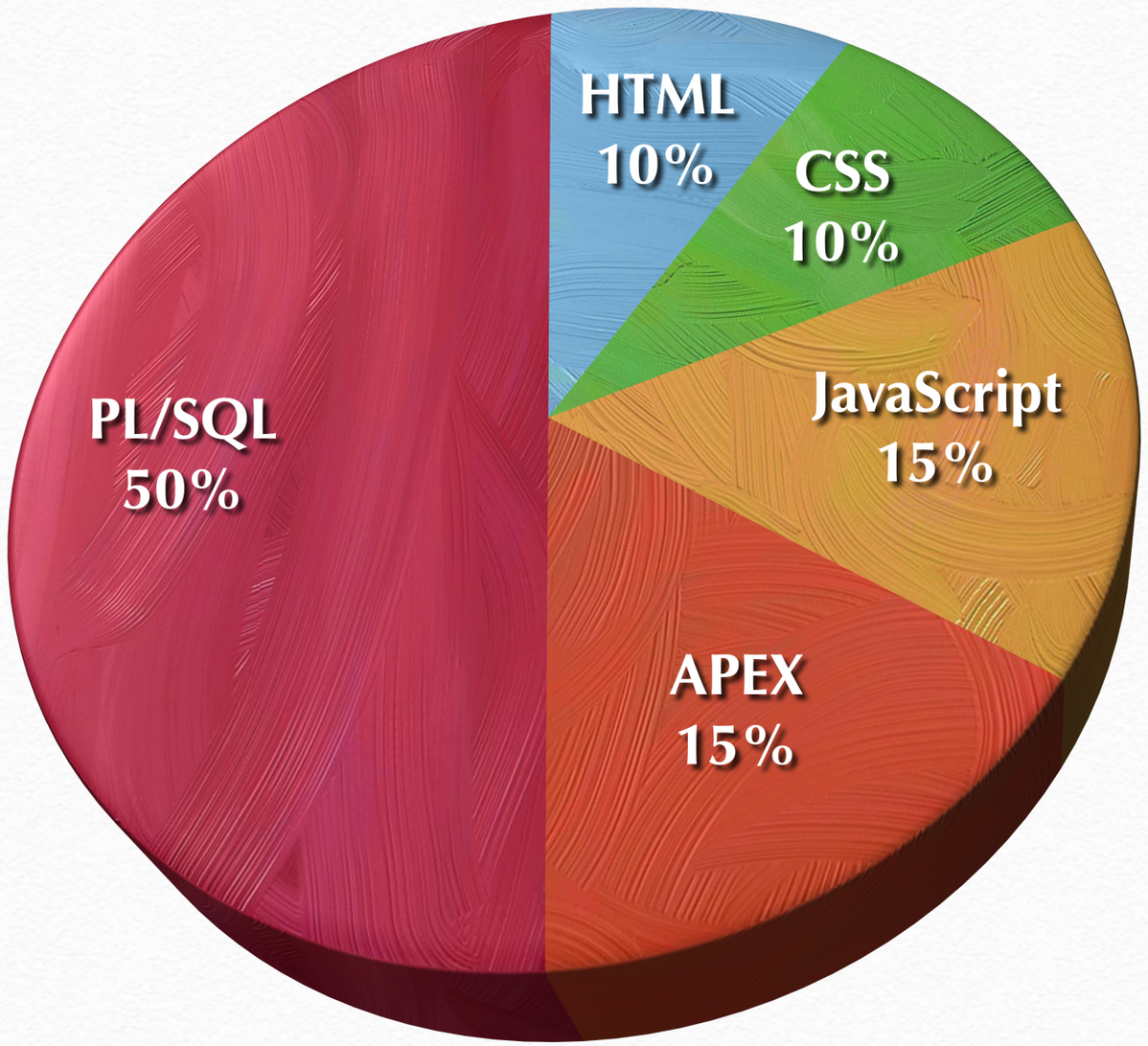
- Thus, if you're coming from an Oracle client/server solution, you know exactly nothing about building Java or .NET web applications
- This is enough to scare the living daylights out of your developers

Human Capital

- You have PL/SQL Developers
- They like their jobs
- They know the politics of your organization & how to navigate them
- They don't want to be re-trained in another language
- So why force them to do so?

Skills Required for APEX

Training needed for 50% of the stack



Almost Unfair

- APEX's foundation is in PL/SQL
- Your developers are good at PL/SQL
- Why would you not consider APEX as a possible platform for your business applications?

Shiny, Happy Developers

- APEX gives your existing staff & new hires an opportunity to use a cutting edge technology to advance your organization's technical infrastructure

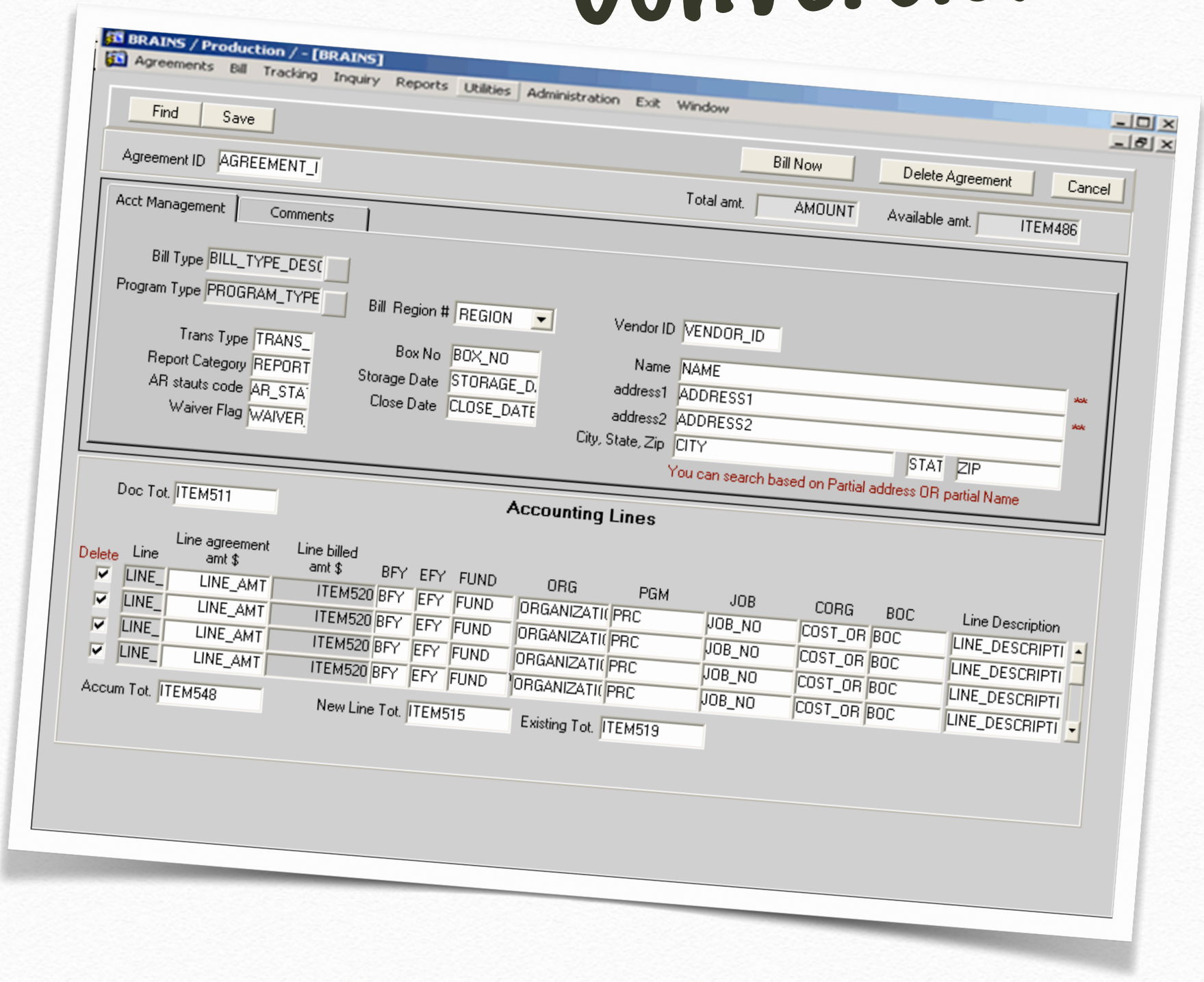
Put the Form Back in Formidable

- SaaS
- Web 2.0
- jQuery
- Ajax

Developer Migrations

- Migrate your developers before your applications
- Once they are sold on APEX, they will be excited and happy to move older applications forward
- Start small to build confidence & refine skill sets

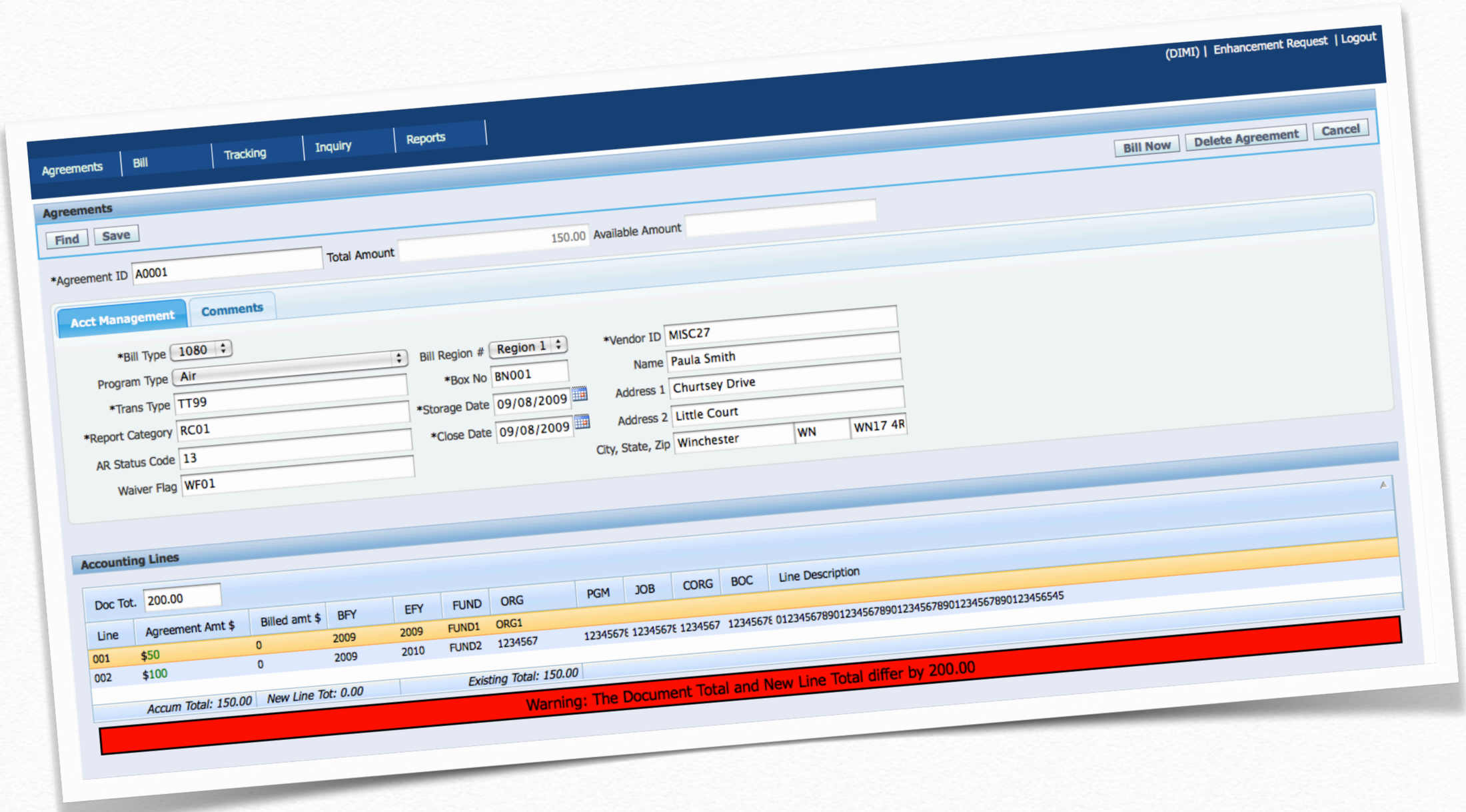
Forms ~~Migration~~ Conversion



Forms Components

- Master/Detail or Canvases
- Stateful Protocol
- Keyboard Shortcuts
- Triggers & Events
- Instantaneous Feedback

The Hard Way


(DIMI) | Enhancement Request | Logout
Agreements
Bill
Tracking
Inquiry
Reports
Bill Now
Delete Agreement
Cancel
Agreements
Find
Save
*Agreement ID A0001
Total Amount 150.00
Available Amount
Acct Management
Comments
*Bill Type 1080
Program Type Air
*Trans Type TT99
*Report Category RC01
AR Status Code 13
Waiver Flag WF01
Bill Region # Region 1
*Box No BN001
*Storage Date 09/08/2009
*Close Date 09/08/2009
*Vendor ID MISC27
Name Paula Smith
Address 1 Churtsey Drive
Address 2 Little Court
City, State, Zip Winchester WN WN17 4R
Accounting Lines
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Line
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EFY
FUND
ORG
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The More You Know

- jQuery
- ExtJS

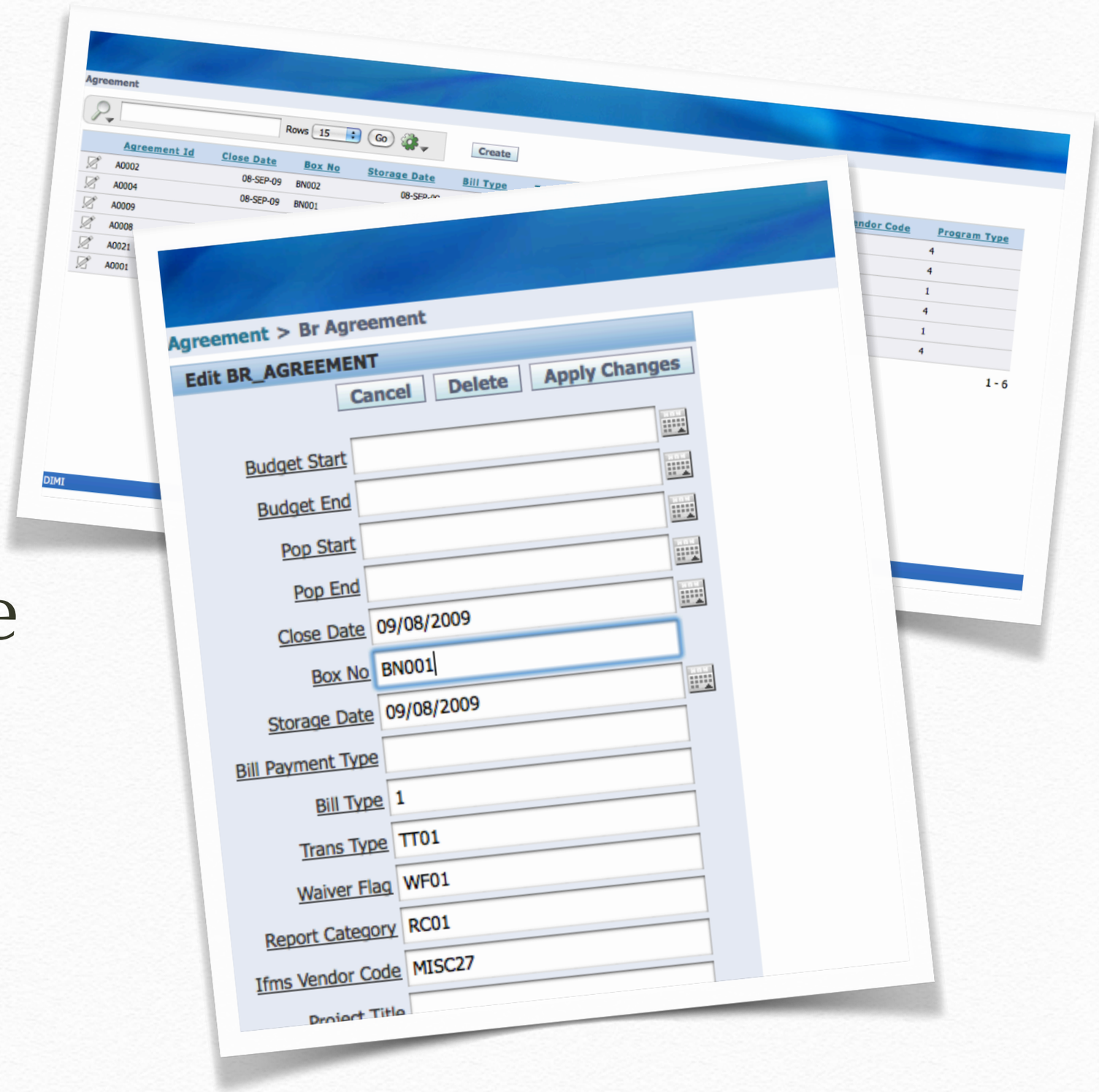


DANGER WILL ROBINSON!

- JavaScript
- XML

The APEX Way

- Simple
- Quick
- Declarative
- Manageable
- Upgradable



Today's Presentations

- **11:00 AM - Eric Brandenburg**
  Converting MS Access Applications to APEX

- **1:00 PM - Kathleen McCasland & Scott Spendolini**
  Evolution of ODTUG.com

- **2:00 PM - Joseph Acero & Craig Thomas**
  Modernizing Legacy Applications with Oracle APEX

- **3:30 PM**
  Ask the Experts APEX Panel Q & A

Other APEX Presentations

- 30 APEX presentations at OOW
- Full List available at:
  http://apex.oracle.com

