WebClient i+ for CA Plex Product Update

Session 7A

John Rhodes

ADC Austin Tech

2E/Plex Worldwide Developer Conference 2009

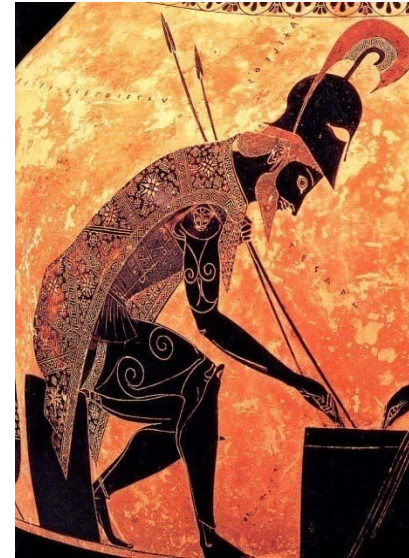ADC AUSTIN TECHNOLOGY

ADC AUSTIN

MKS

WEBSYDIAN™

cmFIRST

desynit

ca

What are we talking about?

- Web developments – Ajax and RIA gain ground
- WebClient for CA Plex Intro
  - RIA in 5 minutes
  - Ajax Presentation Layer
- Demonstration
- Customer use cases
- Roadmap / Next Steps

Ajax – Big now and getting more popular

Classic web application issues

> Poor Interactivity

> Unresponsiveness /

Page Refresh

> Simplistic Interfaces

> Low usability

> =Dissatisfaction

Fields in **bold** are required.

A. Physicians/ health care providers and their representatives filing the complaint must complete Attachment A

I. Complainant Contact Information

Date (mm/dd/yyyy):	
Name (First, Middle, Last):	
Organization or Entity Name:	
Street Address:	
City or Town State/ZIP:	

Ajax Use Cases

> **Replacement of desktop applications**

- **Easier Distribution**

> **Customer self service**

> **Analytics**

> **Productivity**

> **Appearance**
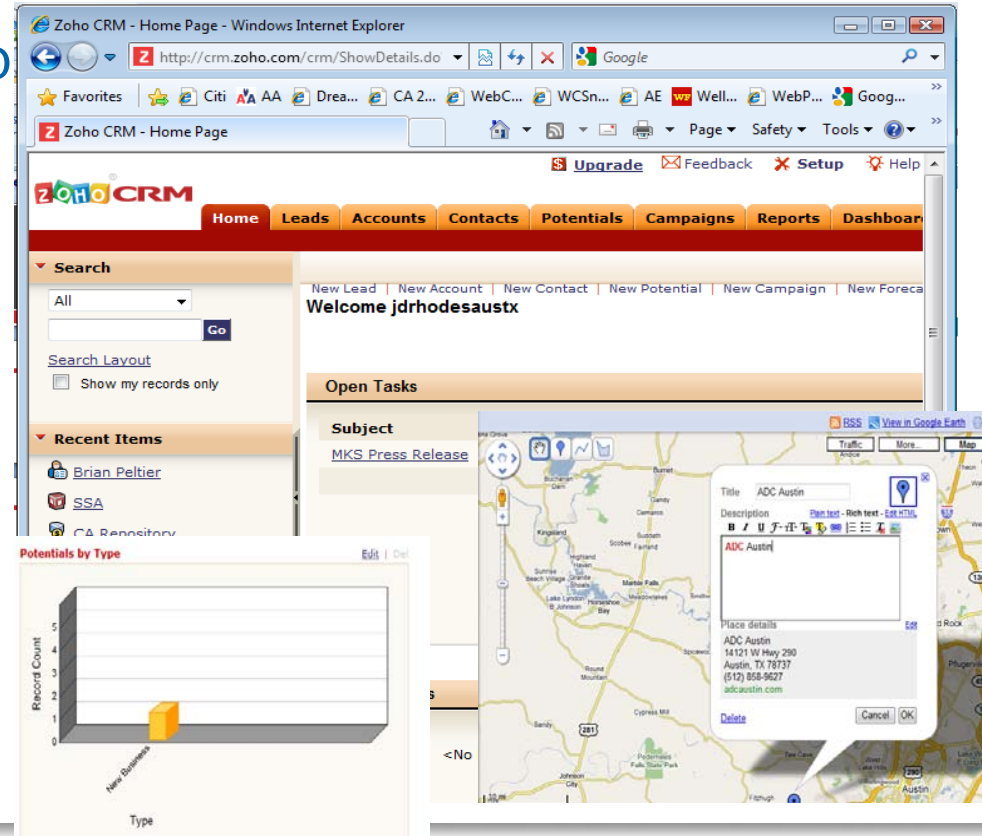
WebClient addresses Ajax Concerns

> Security

> Complexity

> Bandwidth (less)

Building an aircraft carrier while underway - Sun

> The solution: WebClient/Plex generated code

- Use your standard Plex skills

- Security built in
  - No direct DB access, No SQL Injection

- Multi-tier high performance

ADC AUSTIN
TECHNOLOGY

Ajax/RIA Justification

> 44% of businesses have RIA in production

> Customer facing apps are moving forward even in current economy

> Saves money over desktop, distribution/development

Customers Come First

What prompted your organization to adopt RIAs?

- 78% Improve customer experience
- 55% Improve employee experience
- 43% Improve IT development productivity
- 42% Lower cost of distributing and supporting apps
- 29% Introducing multimedia into our apps
- 27% Improve partner experience
- 6% Other

Data: *InformationWeek* Research Rich Internet Applications Survey of 351 business technology professionals

Ajax vs. other RIA Approaches (Adobe Air, Silverlight, JavaFX,

> 100% Open Standards Based

> Cross-browser capability

> Optimizations by browser suppliers

> SEO Friendly

> No plug-ins required

> Wide Adoption

However – it is not an either – or question. Use of multiple approaches in a single application is increasing

WebClient Product Intro

What does WebClient do?
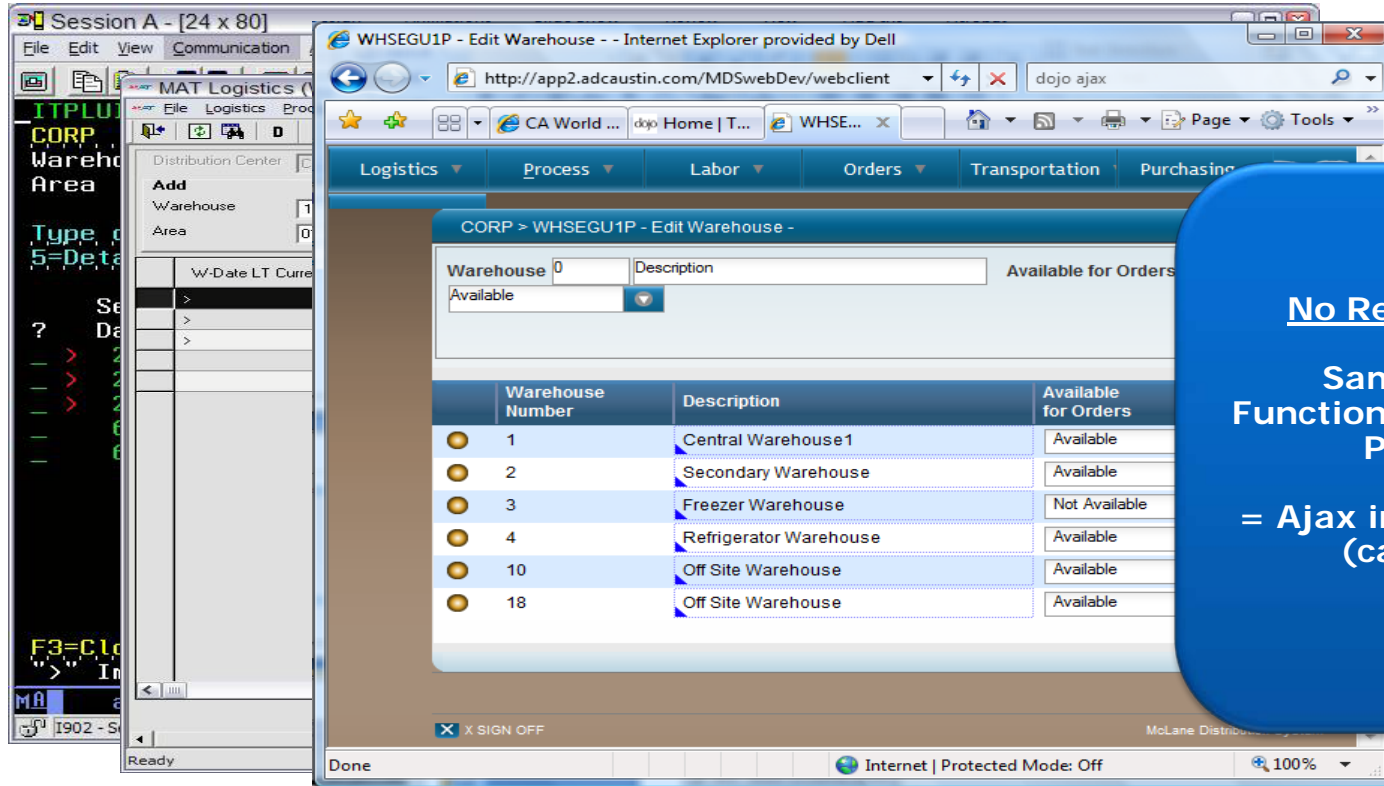
No Rewrite Required!

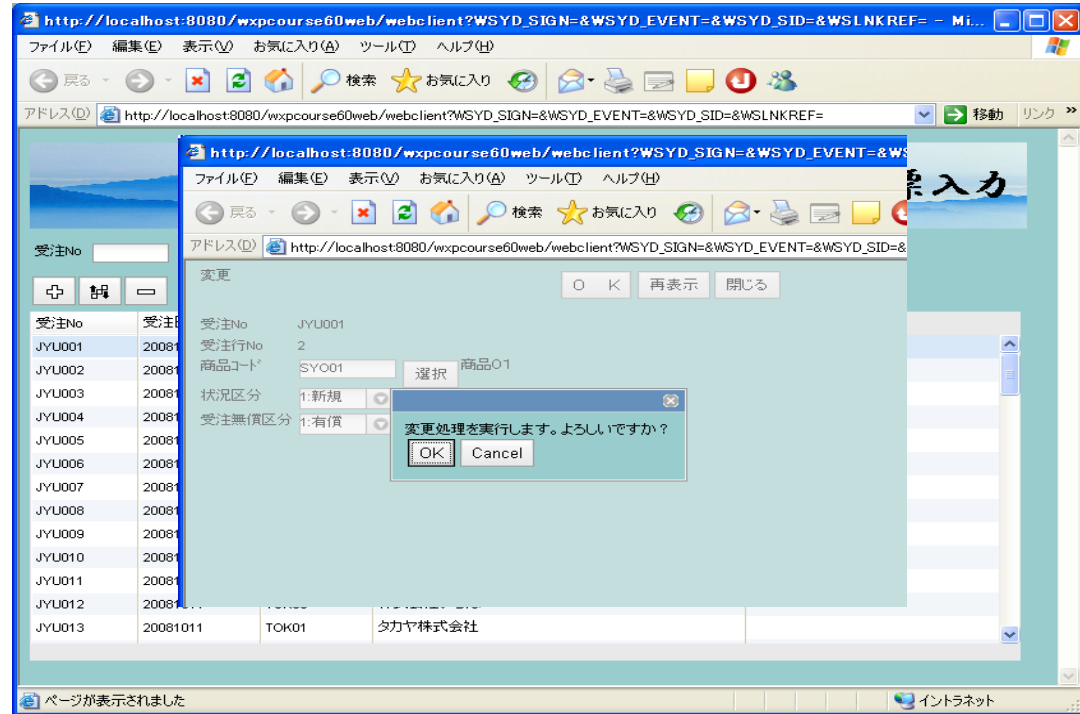**Same Plex Object Function / Business Logic / Panel Design**

= Ajax in 5 minutes or less (caveats apply)

WebClient is International

Projects Underway

Spain
Germany
Japan
Switzerland
Ecuador
Mexico
USA

And others...

Development Environment
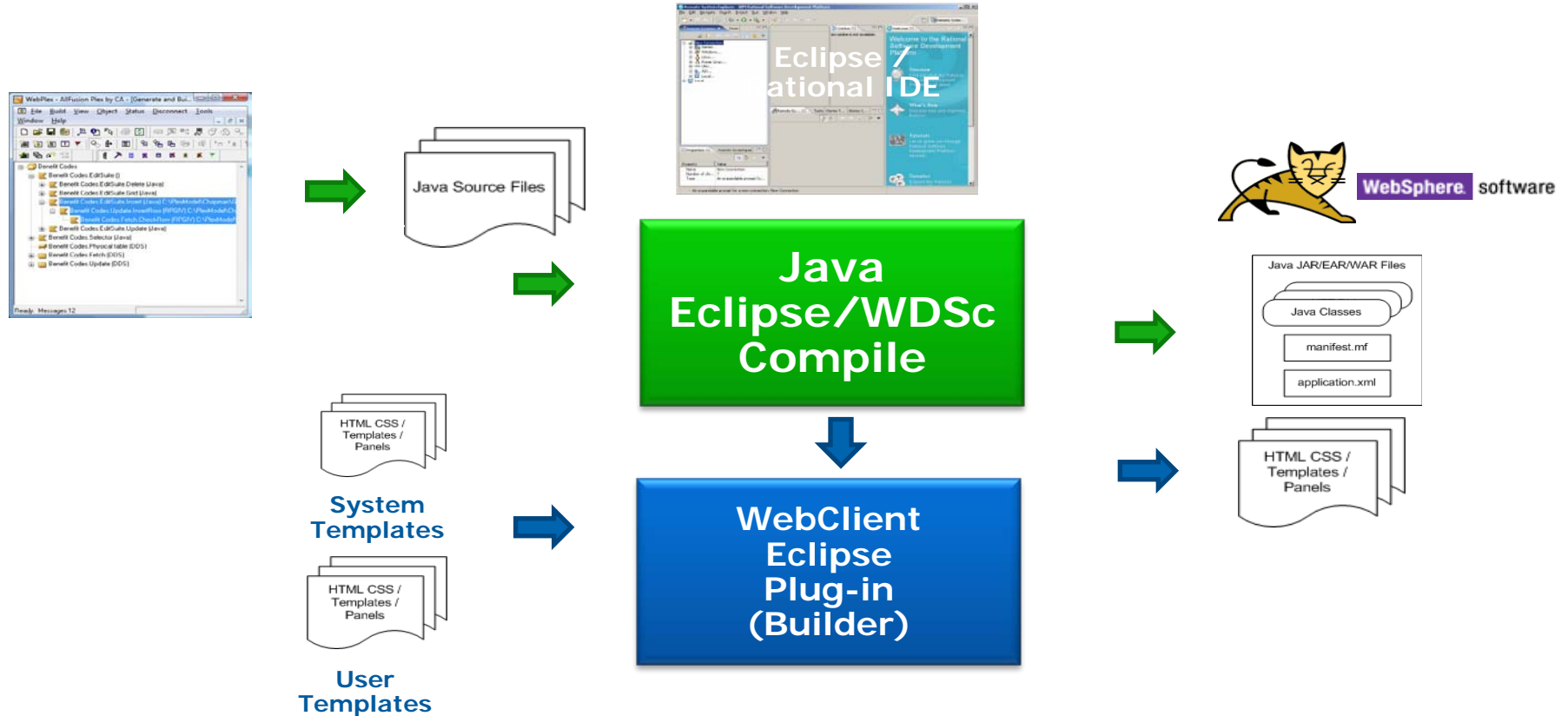
Ajax Web Page Interactions

Web Browser

CSS

JavaScript

Document Object Model

WebClient Ajax Component/Pattern

Web Server
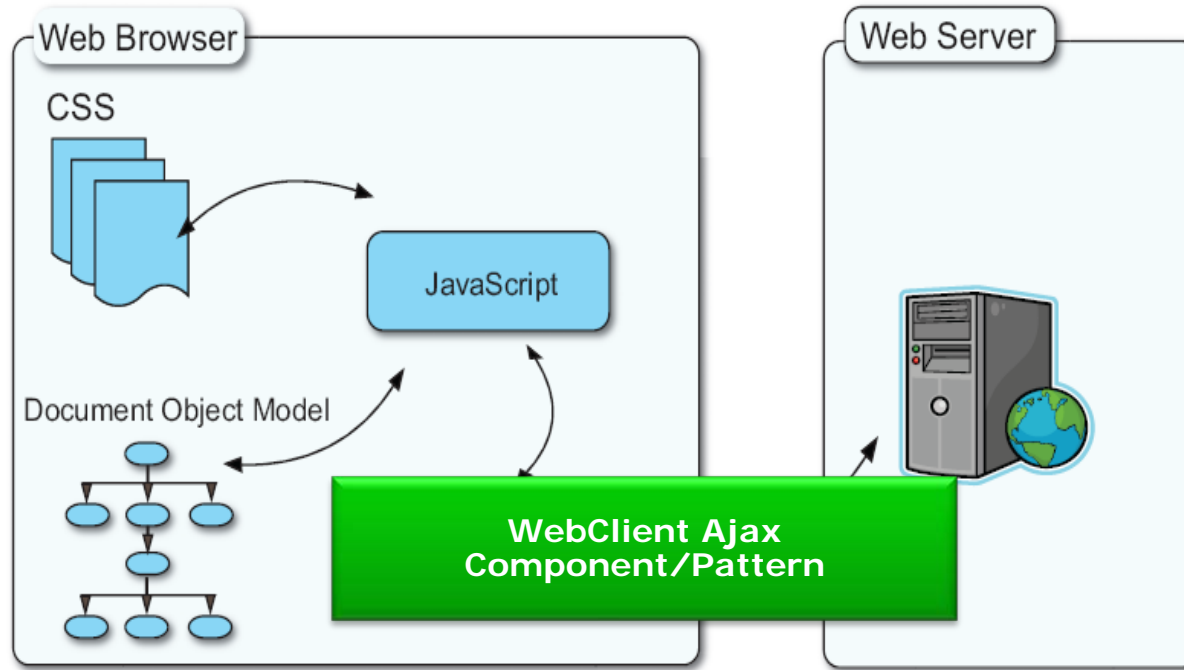
WebClient, Ajax, and Javascript

> Ajax uses JavaScript as the programming framework

> However, JavaScript on a web page is **NOT** Ajax

> WebClient uses both techniques

Reasons to use Ajax

> **Avoid Page Refreshes**

> Grid Pagination

> Update web page dynamic regions, tabs, popups, etc.

dōjō great experiences ...for everyone

WebClient Components (Dojo)

> Rich, Open Source

> Commercial support – IBM, SUN, BEA, ...

> Standards based

- Internationalization (i18n)
- Localization (l10n)
- Accessibility (a11y)

> Many components support Ajax

WebClient Presentation Component Examples

Business Intelligence

> Integration with DojoX business charting

> Integration with DB2 WebQuery, Axis web services to other BI engines
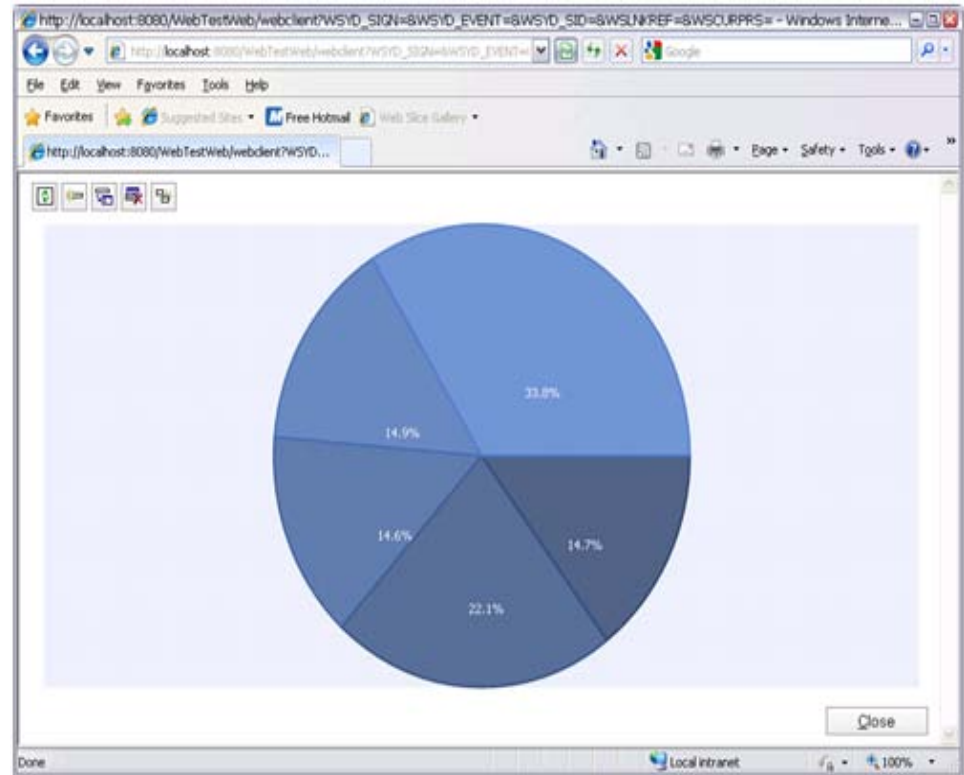
Style Sheet Support

> Style sheet control of all html elements

> Apply templating standard Plex inheritance, control directives
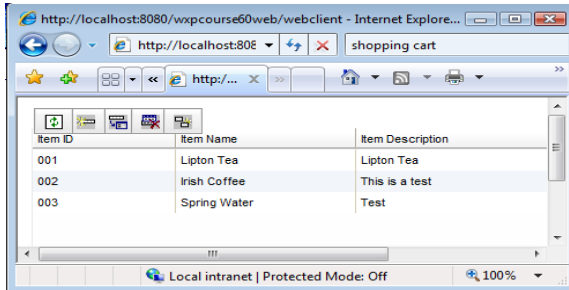
> Very flexible, complete control

Simple Deep Link

http://server/handler?program=wxvf&parm1=1.0&parm2=xyz
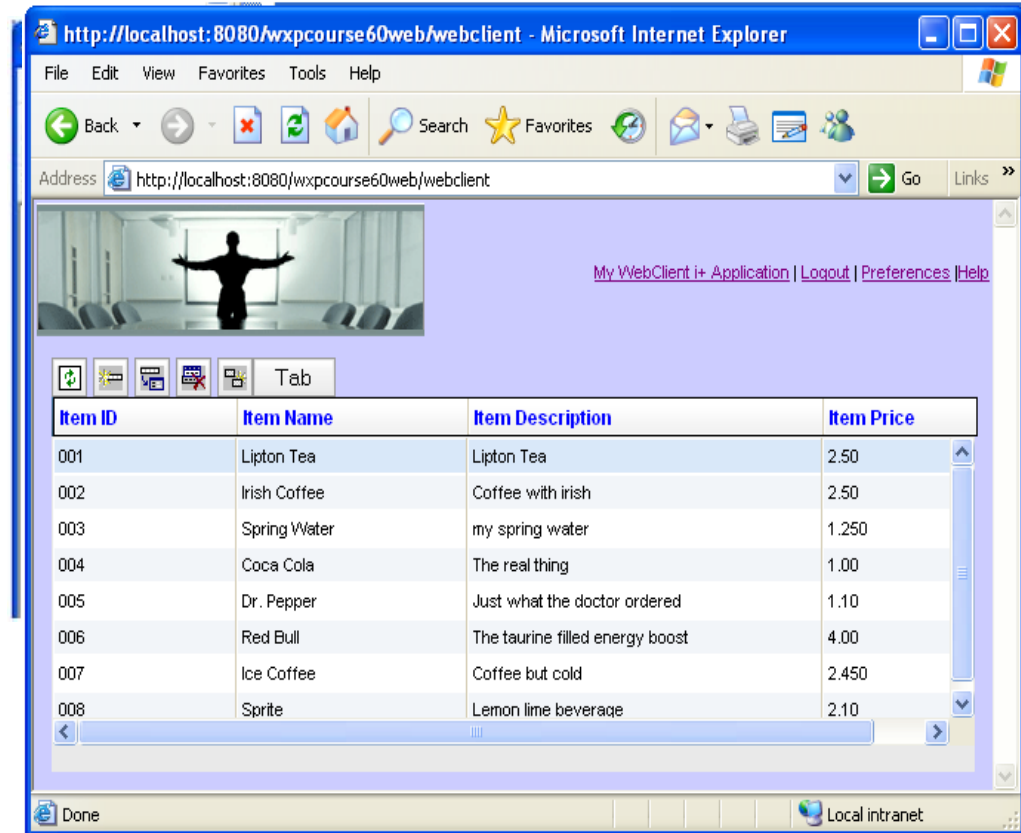
Handler Servlet

Plex Panel Function

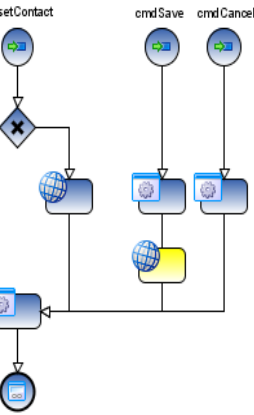**XML String with structured Plex call information (all IO Parameters)**

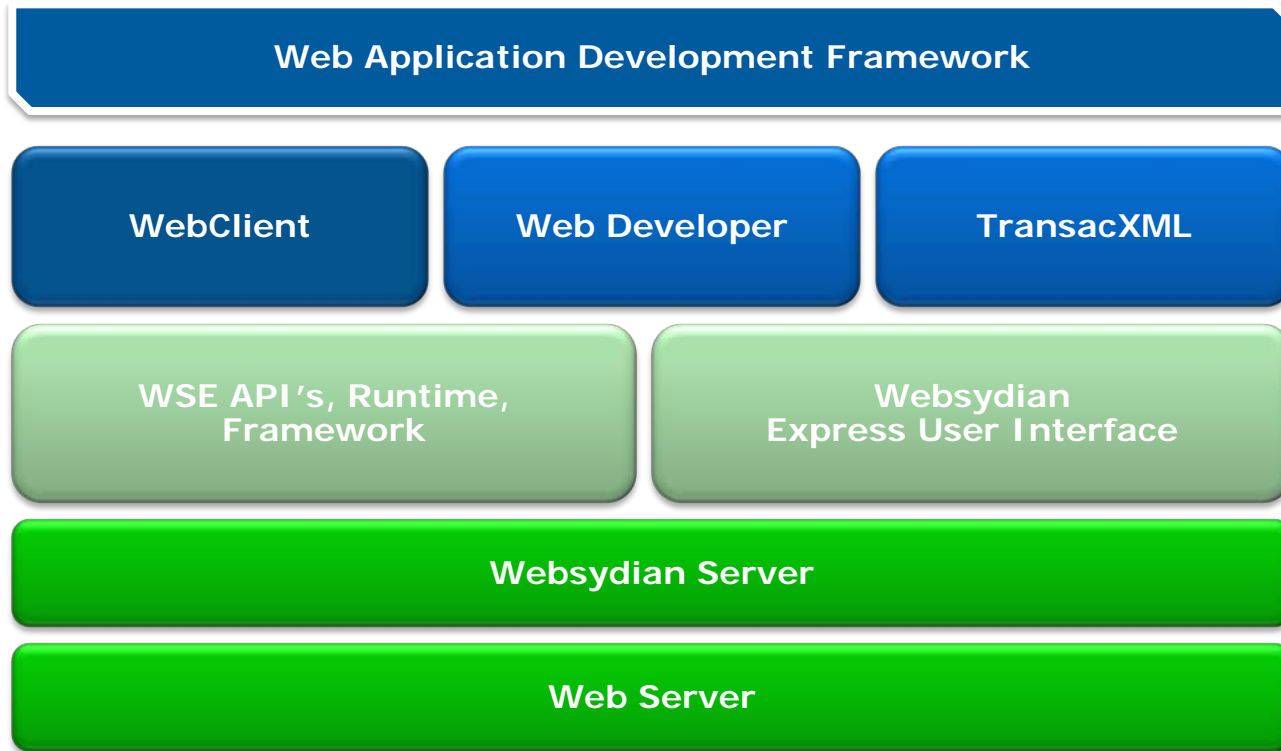**WebClient Servlet**

Complex deep link – workflow and web services

WebClient and 2E

> WebClient does not work directly with 2E, but…

> WebClient was developed around ADC Austin M3 Migrated 2E applications

> 2E functions work "out of the box", no recoding required

> WebClient maintains the state necessary for 2E applications to run as is, and solves common single sign-on and audit stamp requirements

Websydian Product Integration

Web Application Development Framework

| WebClient | Web Developer | TransacXML |

| WSE API's, Runtime, Framework | Websydian Express User Interface |

Websydian Server

Web Server

Integration
- Websydian Server
- Interoperability
- Template format
- Web/WSE API's
- WSE Business Processes

Advantages
- Functionality
- Security
- Scalability

ADC AUSTIN
TECHNOLOGY

Live Demonstration

ADC AUSTIN TECHNOLOGY

Customer Use Cases

ADC AUSTIN TECHNOLOGY

Top Reasons to choose WebClient i+

- Fast web implementation of existing CA Plex functionality
  - Ease of deployment
  - Customer/Employee access
- Web 2.0 Integration
  - Charting/Graphing
  - Maps

- Enterprise Application Integration
  - Other Enterprise applications
  - WorkFlow / Business Process modeling

- ***Modern Look and Feel***

ADC AUSTIN
TECHNOLOGY

Scenarios

> ## McLane Advanced Technologies
> - USA Military ISV
> - Extend market reach, modernize

> ## Medical Mutual
> - Physician Insurance
> - Ease of deployment, integration to dashboards (DB2 Web Query)

> ## Hapimag
> - Leading travel club site, #1 in Europe
>   - Web 2.0, speed of development, reliability
>   - Enterprise Application Integration

Scenario – CM First

> ISV in Switzerland, Change Management Tooling for Plex

- MKS Connector
- Matchpoint

> Mature CA Plex model

- 2300 Functions, 420 Panels

> Multiple Variants, National Languages

cmFIRST

Modernization Before and After
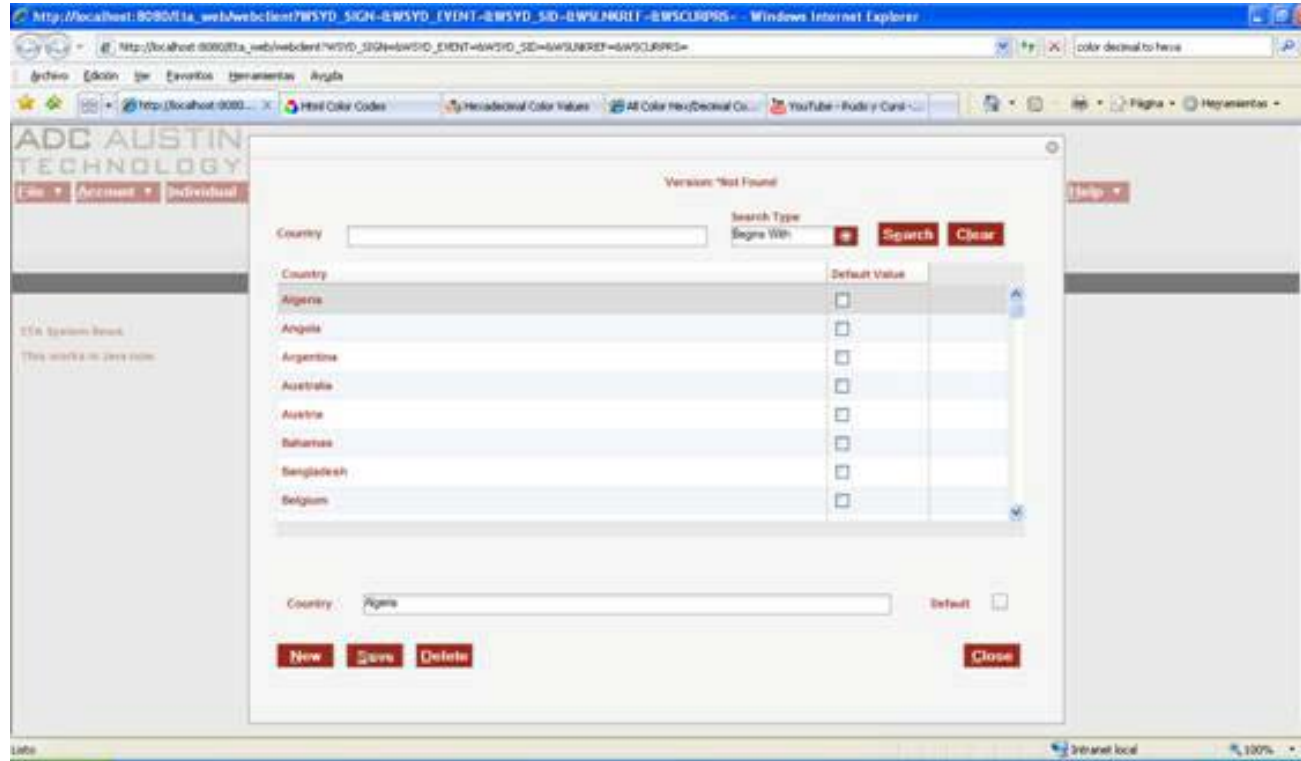
Scenario – Endowment Trust Accounting

ETA II was developed

with Indiana University Foundation

> Manage approximately 5000 individual accounts benefiting over 200 unique departments on 8 campuses

> Currently manage invested assets of over 1.4 Billion Dollars

> Database contains over 10 million transactions

ADC AUSTIN
TECHNOLOGY

Modernization Results

Roadmap and Wrapup

Road Map

> ## 1.4 SP1 Released January 2009
  - Build 1.4.14 available now

> ## With current release, focus on usability and documentation

> ## Web Services/ Workflow Cookbook in progress

> ## Release 2.0
  - Support for CA Plex 6.1
  - Support for latest Websydian version
  - Additional Ajax components
  - Full cross browser testing

Summary – Fast and Powerful Web Development Option for CA Plex

> **For developers**

- Short learning curve
- Reuse of existing skills
- Reuse of existing code
- Your Plex skills take you further

> **For the business**

- Rich, appealing web sites, integration
- Time saved
- Money saved

Questions

- http://adcaustintech.com
  - Product Information
- http://webclientiplus.com
  - Technical documentation, tips, blog, news, videos, software