



SAGE Computing Services

Consulting and customised training workshops

Introduction to Oracle Application Express ODTUG

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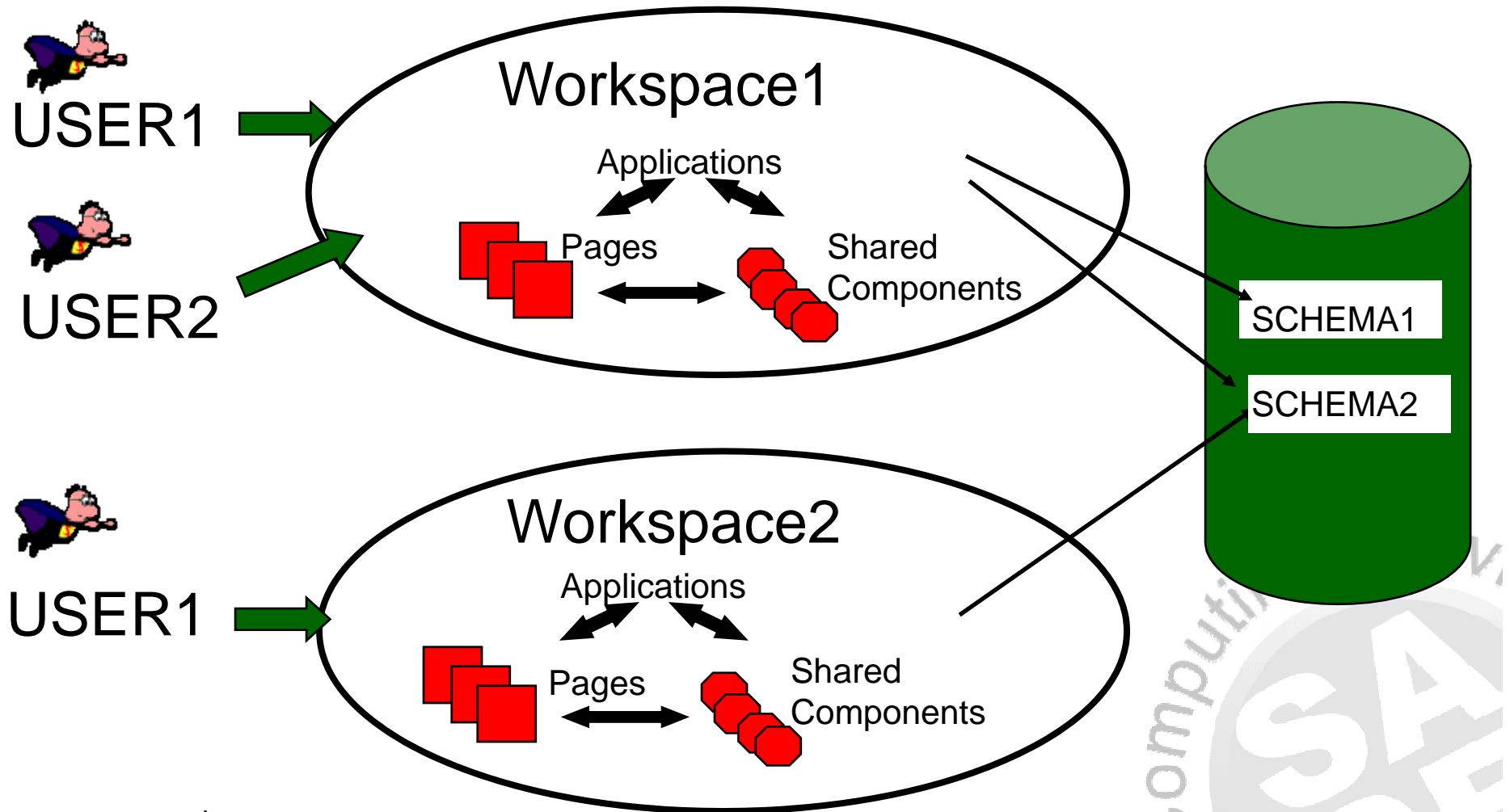
Agenda

- Architecture
- Building an Application
- What's coming in 4.0

Overview

- History
 - Project Marvel
 - HTMLDB V1.5, V1.6
 - Application Express but HTMLDB logos V2.1
 - Application Express V2.2
 - Application Express 3.0 -> 3.1 -> 3.2 and ?4.0
- Included in Oracle Express Edition
- Small /medium systems development
- Declarative approach
- Browser based development
- PL/SQL, HTML, JavaScript skills

Workspaces



Overview – Page Definition

Page Rendering

Page Processing

On Load
Processes



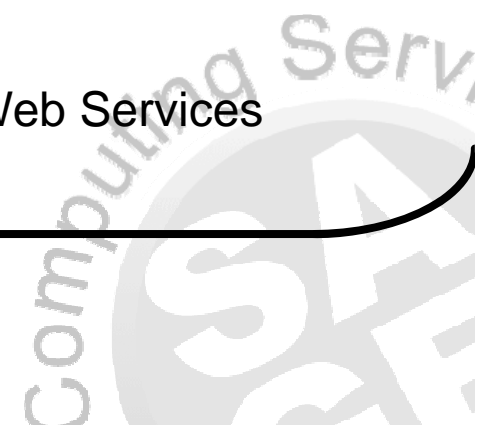
Regions
Buttons
Items
Computations



Computations
Validations
Processes
Branching

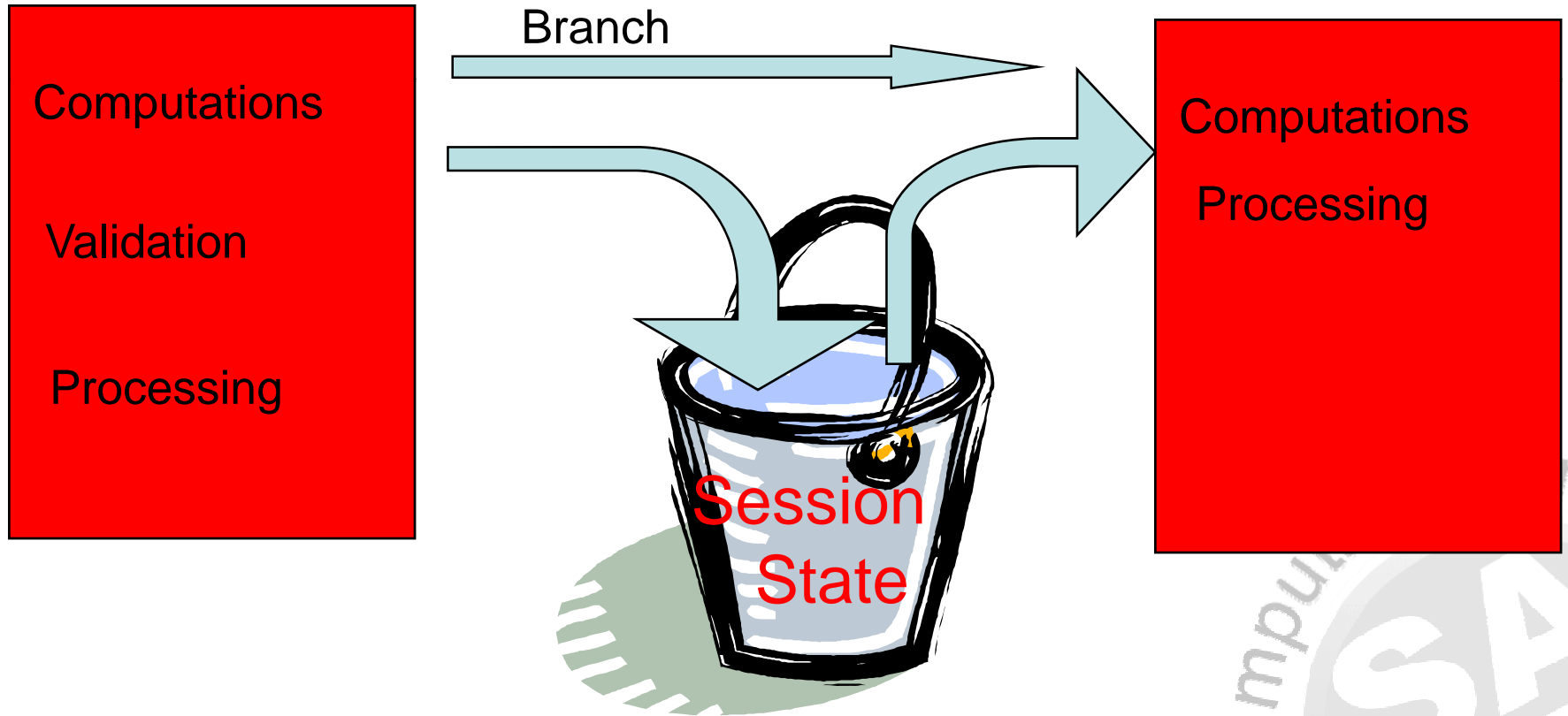
Tabs Lists of Values Themes Templates Navigation Bars Web Services

Shared Components



Processing and Branching

Submit Page



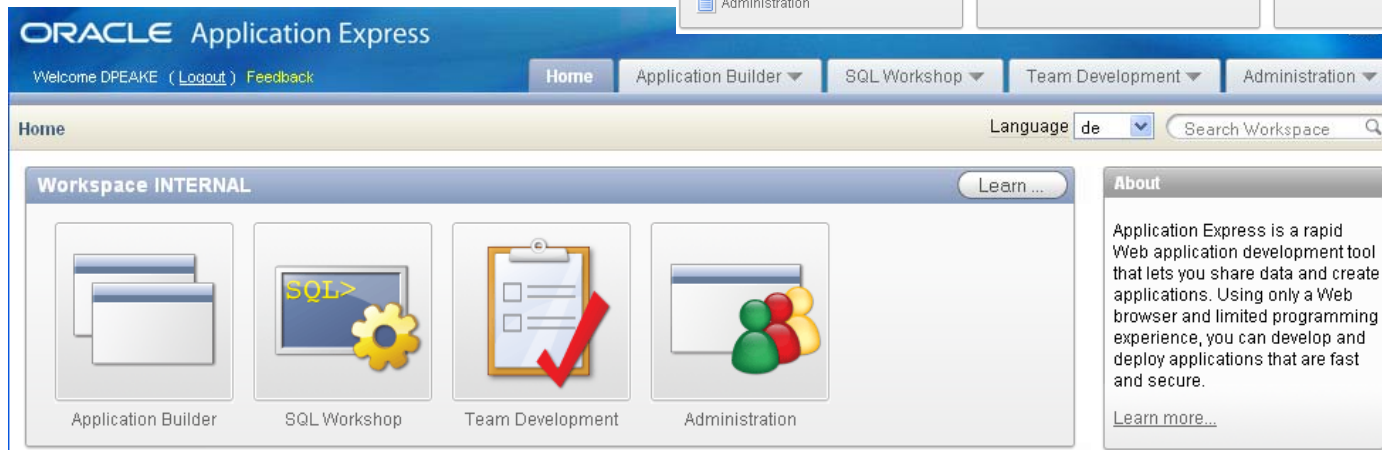
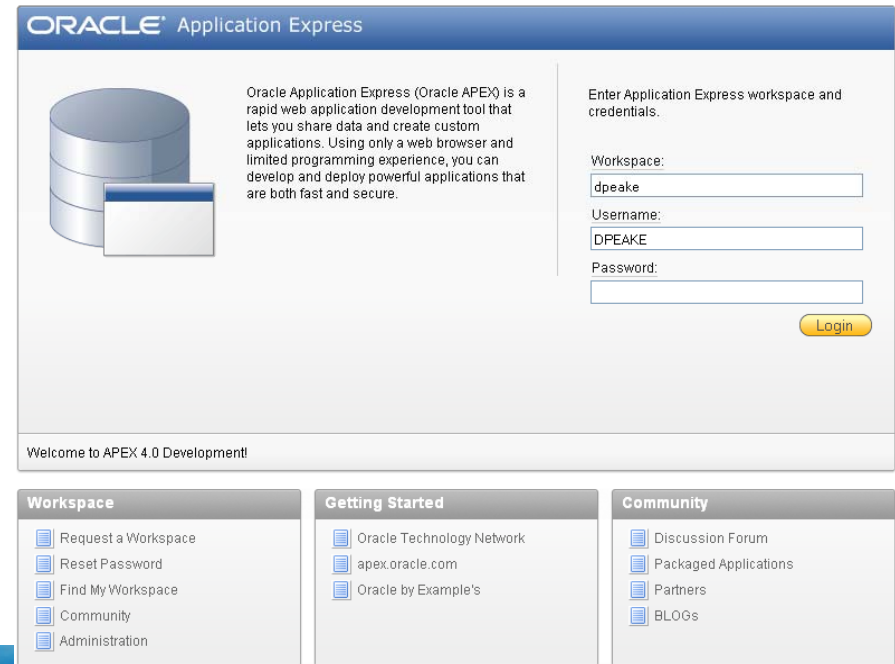
Computations
SA

What's Wrong With 3.2

- Too much work to make it cute
- Poor for team development
- Tabular forms are horrible

Improved Application Builder

- New look
- Improved navigation
- Improved Administration screens
- IR's everywhere
- Integrated 'Advisor' and 'Application Search'



What's Coming in 4.0 – UI

- Items
 - Resizable text areas
 - Combo box
 - Autocomplete
 - Less types, more attributes
- Declaratively define client behaviour (e.g. validation, actions)
- Improved themes
- Integrated jQuery and jQuery UI
- Websheets

What's Coming in 4.0 –Team Development

- Advisor
- Search
- Plug ins
- Feedback
- Todos
- Bugs
- Milestones

Team Development

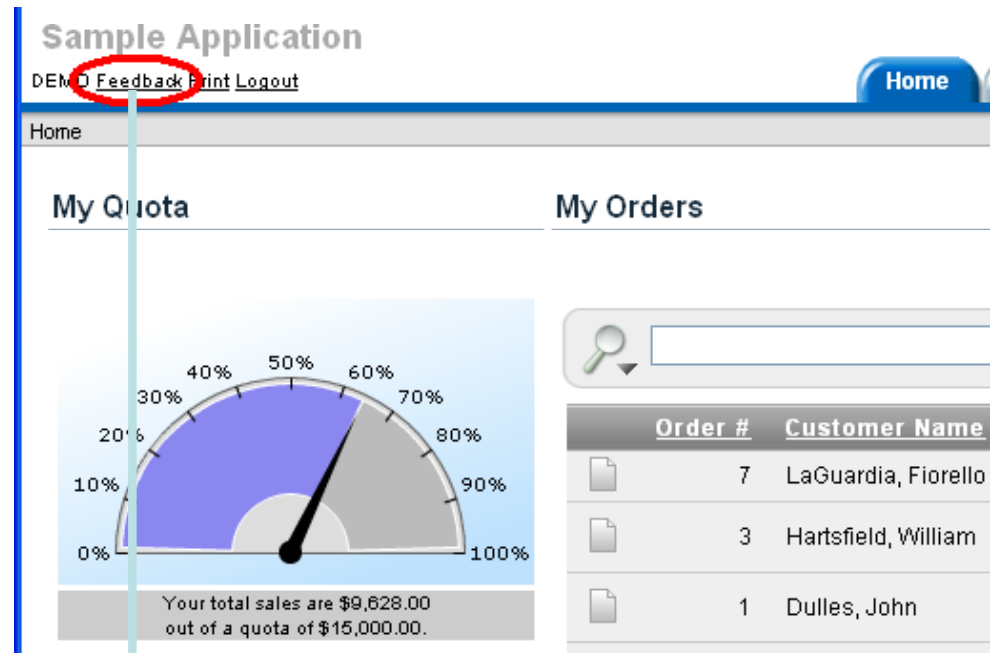
- Facilitates the management of the application development process
- Can link directly to APEX Applications and Pages

The screenshot displays the Oracle Application Express Team Development page. At the top, the header includes the Oracle logo and 'Application Express' text. Below the header, there is a navigation bar with tabs for 'Home', 'Application Builder', 'SQL Workshop', 'Team Development', and 'Administration'. The 'Team Development' tab is currently selected. Below the navigation bar, there is a search bar and a breadcrumb trail showing 'Home > Team Development'. The main content area is divided into several sections:

- Workspace:** A central area containing five icons representing different development tasks: 'Features' (lightbulb), 'To Do' (clipboard with checkmark), 'Bugs' (ladybug), 'Feedback' (speech bubble), and 'Milestones' (calendar).
- About:** A sidebar section providing an overview of the Team Development tool, stating that it facilitates the management of the application development process and allows for tracking features, to-do's, milestones, and bugs. It includes a 'Learn more...' link.
- Team Actions:** A sidebar section listing various actions available to the user, such as 'Manage Links', 'Manage News', 'Manage Preferences', and 'Tags'.
- News:** A section for displaying news items, currently empty.
- Filters:** A section at the bottom of the workspace area containing dropdown menus for 'Assignee' (set to '- All -'), 'Release' (set to '- Show All Releases -'), and 'Application' (set to '- All Applications -'). It also includes a 'Set' button and a 'Reset' button.

Team Development - Built-In Feedback

- Integrated into APEX Applications
- Automatically saves session state
- Feedback managed in Team Development
- Easily transformed into Features, To-Dos or Bugs



The screenshot shows the Oracle Team Development 'Feedback' page. The breadcrumb trail is 'Home > Team Development > Feedback'. The page has several tabs: 'Feedback', 'Dashboard', 'Calendar View', 'By Application', and 'By Filing User'. The 'Feedback Status' is set to '0. No status'. There are 'Reset', 'Export', and 'Import' buttons. Below this is a search bar and a 'Rows' dropdown set to '30'. The main content is a table with the following data:

Feedback Comment	Status	Logged As	Application	Page	Filed By	Created
Suggest changing the Features Status LOV so that the numbers come first. That way if you sort the i...	0. No status	-	4800	9000	terri	23 hours ago
this page is slow, performance problem.	0. No status	-	4000	4110	mike	25 hours ago

What's Coming in 4.0 – Other

- J2EE-based alternative to mod plsql
- Declarative Tabular Forms
- Integrated Oracle EBS Authentication
- UI Defaults with bi-directional synchronization
- Improved Error handling
- Improved graphs



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Questions?

Presentations are available from our website:

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SAGE Computing Services

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Register for the Next

Application Express V3.2 course:

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Advanced course:

8th – 9th December