



Fundamentals of Magic

A CabritaTM Workshop

by

John Cole

Cabrita Software

*© Copyright 2002 Trillium Custom Software Incorporated, All Rights Reserved
Cabrita is a Trademark of Trillium Custom Software Incorporated*



Agenda

- 8:30 Welcome and Introductions
- 8:40 Housekeeping / Expectations
- 8:50 Selection Lists
- 9:15 Maintenance Programs
- 10:00 Break
- 10:15 One to Many Programs
- 11:00 Simple Reporting
- 11:30 Interface Alternatives
- 11:45 Summary / Wrap-up



Introductions

- Your Name
- Company Name
- Magic Experience
- Brief Description of Work
- Hobbies / Interests



Housekeeping

- Sign-up Sheet (name, email)
 - Follow ups, stay in touch
- Breaks
 - Keep teacher on time!
- Temperature
- Expectations
 - What's on your list today?



Interface Style

- Color Usage
 - 3D gray is out (according to Mr. Blackwell) and our customer!
 - 2D earth tones are in!
- Form Properties
 - Min/max buttons turned off
- Identification
 - Program ID



Selection Lists

- Using a Selection List
 - Auto locate, titles, buttons, case insensitive searching, using expressions for non-key fields
- Properties
 - Selection expression is static
 - Select program (recursive zoom)
- Task Control
 - Allow create mode



Selection Lists (continued)

- Record Main
 - Query mode, parameter passed from type, locate to parameter, monitor/debugger
- Record Suffix
 - Update parameter if calling task is not in query mode.
- Type Repository Connection
- Lists vs. Combo Boxes



Maintenance Programs

- Cross Reference Window
 - Selection list similarities
 - Query mode but create allowed (trapped in task event table)
 - View refresh to reflect modifications, locating to added record option
- Work Task
 - Parameter passing
 - Dynamic title bar
 - Cancel button behavior (to park, or not to park)

Maintenance Pgms (continued)

- Work Task (continued)
 - Reread record from file, parent locking turned off, avoid locking conflicts
 - Lock record for password task
 - Non abortable record save, inform user that cancel no longer allowed
- Delete Task
 - Get Confirmation
 - Referential Integrity
 - Record no longer in view message



Break Time

Back in Ten...

One to Many

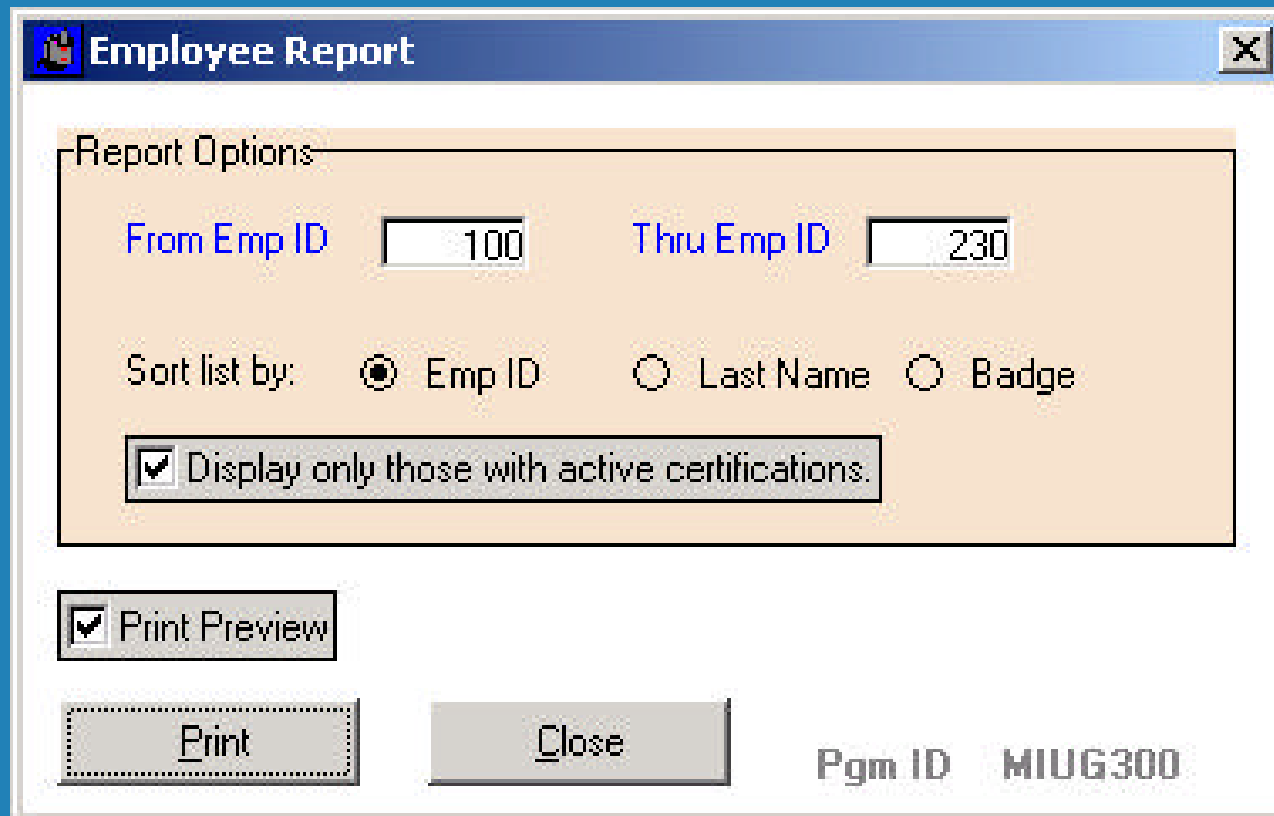
- Main Task
 - Cross reference style, query mode
 - Record prefix call to subtask
 - Record main call to subtask
 - Allow call by mouse or tab
 - Task properties end condition (single click close)
 - Current record highlight color (force record suffix)

One to Many (continued)

- Sub Task
 - Record main range on parent
 - Task properties end task condition
level(1) = 'RP'
 - Task control behavior close
window set to No
 - Form properties window open as
child, no title bar, no border
 - Use caution with button scope

Reporting

- Filter Screens



The image shows a screenshot of a software window titled "Employee Report". The window has a standard Windows-style title bar with a close button (X) in the top right corner. The main content area is divided into two sections. The top section, titled "Report Options", contains two input fields: "From Emp ID" with the value "100" and "Thru Emp ID" with the value "230". Below these fields are three radio buttons for sorting: "Sort list by:" followed by "Emp ID" (which is selected), "Last Name", and "Badge". A checkbox labeled "Display only those with active certifications." is checked. The bottom section of the window contains a checkbox labeled "Print Preview" which is also checked. At the very bottom, there are two buttons: "Print" and "Close". To the right of the "Close" button, the text "Pgm ID MIUG300" is displayed.

Employee Report

Report Options

From Emp ID Thru Emp ID

Sort list by: ☒ Emp ID ☐ Last Name ☐ Badge

☒ Display only those with active certifications.

☒ Print Preview

Pgm ID MIUG300



Reporting (continued)

- I/O Files Table
 - Active window with user action
 - Print dialog/ Print preview
 - I/O properties (Page Headers & Footers)
- Report Headings
 - Configuration defaults
- Task Properties
 - End condition EOP(0,1)



Reporting (continued)

- Setting the Print Form
 - Landscape vs. Portrait
 - Allow for margins, accommodate printers
 - Units of measurement – don't use dialog units
- Forms Table
 - Order of header, footer, detail
- Use of Online Program
 - Range validation

Merge Reporting

- Similar to Standard Reporting
 - Use filter screens
 - File, field, and range selection the same
 - Class 0 form is the same
- I/O File Differences
 - Media is standard file, no I/O properties
- Forms Table Differences
 - Class > 0 forms are HTML merge
 - Properties contain most details

Interface Alternatives

- List Box vs. Tab

The screenshot displays a 'Company Setup' dialog box. On the left, a 'Category' list box contains 'Company', 'Accounting', 'Reporting', and 'System', with 'Company' selected. The main area features a tabbed interface with the 'Company' tab active, titled 'Settings for Name and Address'. This tab contains a 'Name and Mailing Address' section with the following fields: 'Company Name' (Trillium Custom Software, Inc.), 'Address' (PO Box 609), 'City' (Snohomish), 'State' (WA), 'Zip' (98028 4898), 'Country' (USA), 'Contact' (John Cole), 'Phone' ([425] 397- 8000), and 'Fax' ([425] 397-8163). At the bottom, there are 'OK' and 'Cancel' buttons, and a 'Pgm ID' label with the value 'MIUG200'.

Company Setup

Category

- Company
- Accounting
- Reporting
- System

Company Settings for Name and Address

Name and Mailing Address

Company Name: Trillium Custom Software, Inc.

Address: PO Box 609

City: Snohomish State: WA Zip: 98028 4898

Country: USA

Contact: John Cole

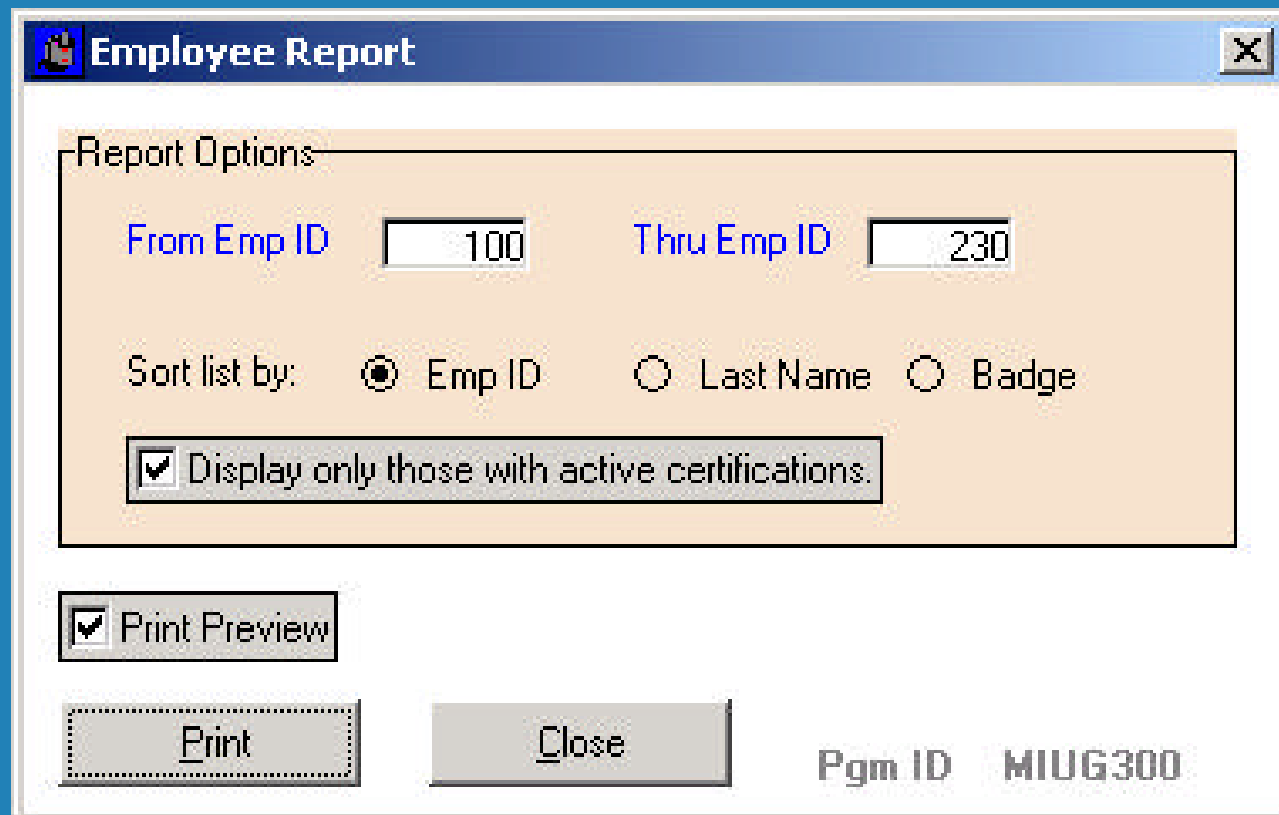
Phone: [425] 397- 8000 Fax: [425] 397-8163

OK Cancel

Pgm ID MIUG200

Interface Alternatives

- User Action as Condition



The screenshot shows a classic Windows-style dialog box titled "Employee Report". It features a "Report Options" section with two text input fields: "From Emp ID" containing "100" and "Thru Emp ID" containing "230". Below these are three radio buttons for "Sort list by": "Emp ID" (selected), "Last Name", and "Badge". A checkbox labeled "Display only those with active certifications." is checked. At the bottom, there is a "Print Preview" checkbox (checked), a "Print" button (dashed border), and a "Close" button (solid border). The bottom right corner displays "Pgm ID MIUG300".

Employee Report

Report Options

From Emp ID Thru Emp ID

Sort list by: ☒ Emp ID ☐ Last Name ☐ Badge

☒ Display only those with active certifications.

☒ Print Preview

Pgm ID MIUG300



Radd Stuff

- Auto-Gen Browse Screens
 - Creating menus
 - Security



Summary / Wrap-up

- Selection Lists
- Maintenance Programs
- One to Many Programs
- Reporting
- Expectations Revisited



Thank You!

The Sorcerer's Apprentice is available from
Trillium Custom Software, <http://www.trillium-sw.com>

Magic Scope is available from John Cole,
johnc@trillium-sw.com

Trillium Custom Software Incorporated
(425) 397-8000