



# Fundamentals of Magic

A Cabrita<sup>™</sup> Workshop

by

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Cabrita Software

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# 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

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



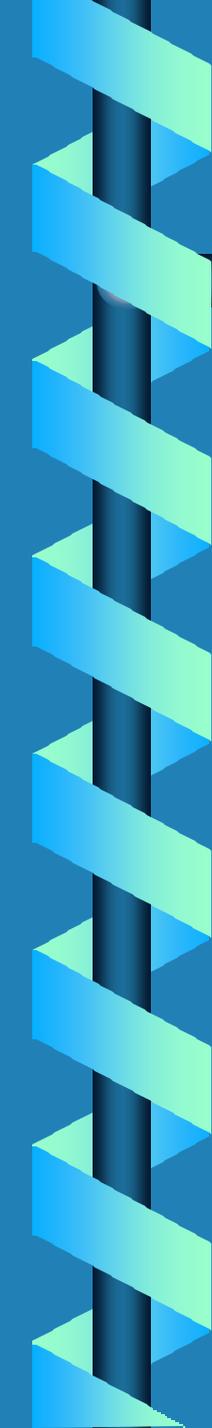
# Housekeeping

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



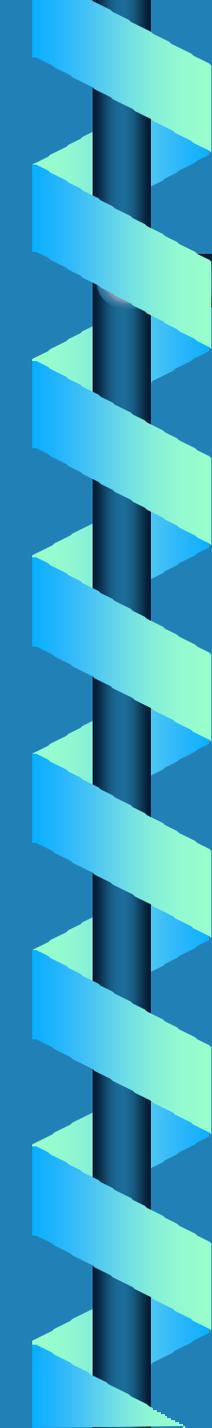
# Interface Style

- 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



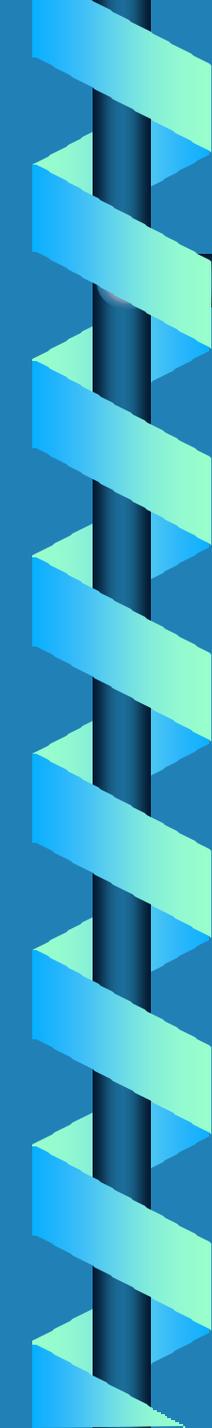
# Selection Lists

- 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

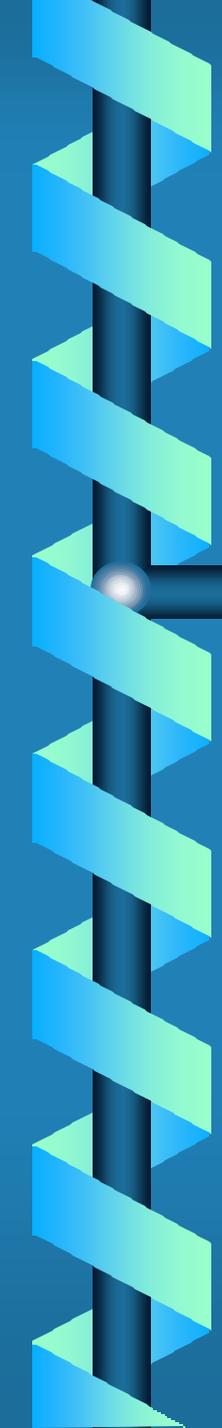


# Maintenance Programs

- 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

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Back in Ten...

# One to Many

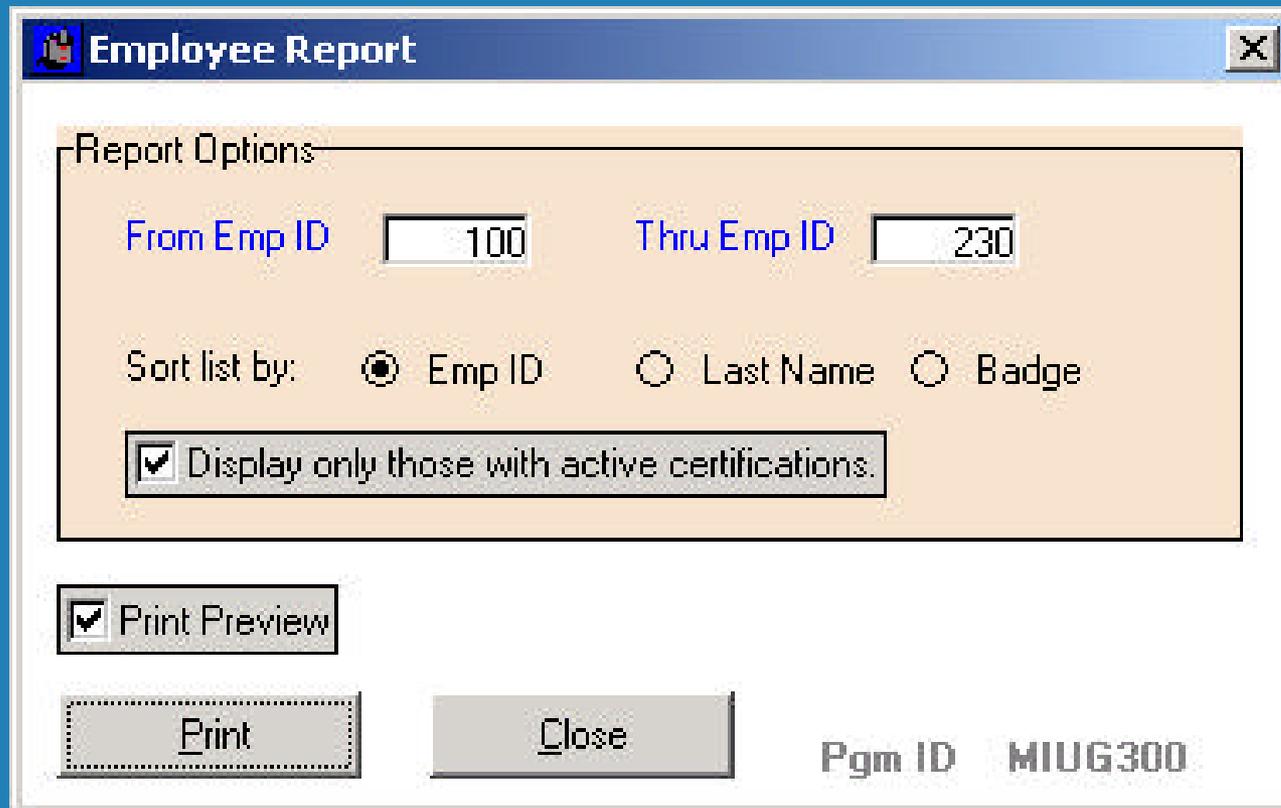
- Main Task
  - Cross reference style, query mode
  - Record prefix call to subtask
  - Record main call to subtask
  - Allow call by mouse or tab
  - Task properties end condition (single click close)
  - Current record highlight color (force record suffix)

# 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 screenshot shows a dialog box titled "Employee Report" with a close button (X) in the top right corner. The dialog contains a "Report Options" section with the following controls:

- "From Emp ID" text label followed by a text input field containing "100".
- "Thru Emp ID" text label followed by a text input field containing "230".
- "Sort list by:" text label followed by three radio button options: "Emp ID" (selected), "Last Name", and "Badge".
- A checked checkbox followed by the text "Display only those with active certifications."

Below the "Report Options" section, there is a checked checkbox labeled "Print Preview". At the bottom of the dialog, there are two buttons: "Print" (with a dotted border) and "Close". In the bottom right corner, the text "Pgm ID MIUG300" is displayed.



# 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

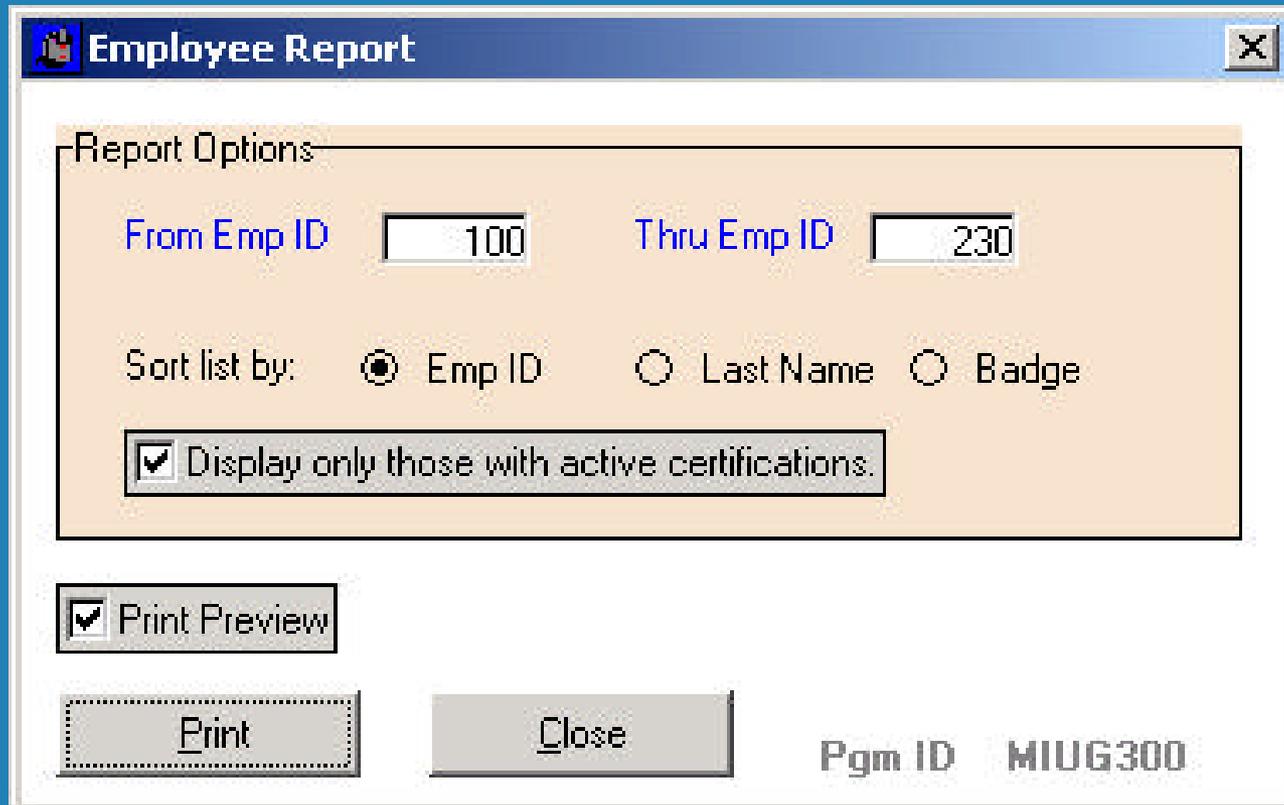
The screenshot shows a 'Company Setup' dialog box. On the left, there is a 'Category' list box with three items: 'Company', 'Accounting Reporting System', and 'System'. The 'Company' item is selected. The main area of the dialog is titled 'Company' and 'Settings for Name and Address'. It contains a form 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	Fax	(425) 397-8163

At the bottom of the dialog, there are two buttons: 'OK' (with a green checkmark) and 'Cancel' (with a red X). The text 'Pgm ID MIUG200' is visible in the bottom right corner.

# Interface Alternatives

- User Action as Condition



The screenshot shows a dialog box titled "Employee Report" with a close button (X) in the top right corner. The dialog contains a "Report Options" section with the following controls:

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Below the "Report Options" section, there is a checked checkbox labeled "Print Preview". At the bottom of the dialog, there are two buttons: "Print" (with a dotted border) and "Close". In the bottom right corner, the text "Pgm ID MIUG300" is displayed.



# Radd Stuff

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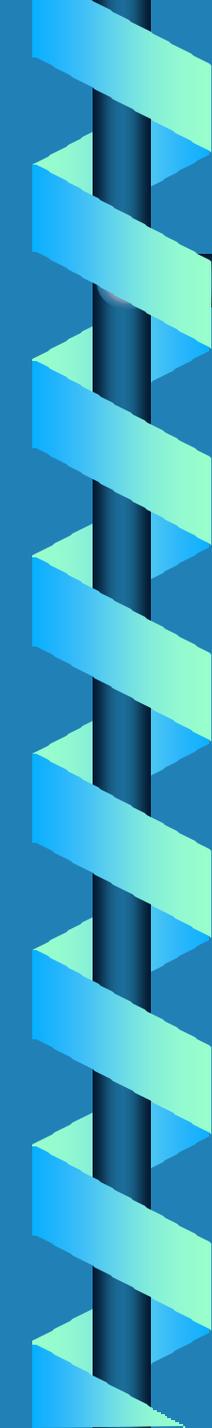
- Auto-Gen Browse Screens
  - Creating menus
  - Security



# Summary / Wrap-up

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- 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](http://www.trillium-sw.com)

Magic Scope is available from John Cole,  
[johnc@trillium-sw.com](mailto:johnc@trillium-sw.com)

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