

Business Analytics - Report Studio - IBM Cognos Ch 9-Create Advanced Dynamic Reports

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Objectives

- Filter reports on session parameter values;
- Navigate a briefing book using a table of contents;
- Create dynamic headers and titles that reflect report data;
- Lets users navigate to specific locations in reports;
- Create a customer invoice report.

Filter Reports Using Query Macros

A query macro is an expression that is embedded directly in the SQL of a query and dynamically alters the SQL at runtime.

This macro gets the name of the user currently logged into IBM Cognos BI to filter the data.

Demo: Control Report using a Query Macros

Demo - TP33 : Control Report using a Query Macros.

			Sales Information for Bart S
Product line	Product type	Revenue	
Camping Equipment	Cooking Gear	3,096,705.62	
	Lanterns	1,597,289.18	
	Packs	4,521,701.21	
	Sleeping Bags	4,412,665.17	
	Tents	6,078,370.27	
Camping Equipment	- Total	19,706,731.45	
Golf Equipment	Golf Accessories	753,380.1	

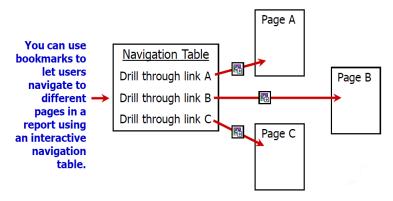
Use Table of Contents to Navigate in a Report Book

Create join realtionships between queries when you need to create a relationship between data in separate queries to answer a specific business question.



Set Up Drill Through to Different Location in a Report.

You can let users navigate to bookmarker in PDF or HTML report outputs



Demo: Create a Table of Contents

Demo- TP 34: Create a Table of Contents for a report Book, and add Bookmarks for Navigartion

<u>Table of Contents</u>						
1 Quantity By Product Line and Order Method	2					
2 Quantity By Product Line and Country						
2.1 Camping Equipment						
2.2 Golf Equipment	3					
2.3 Mountaineering Equipment						
2.4 Outdoor Protection						
2.5 Personal Accessories	5					
3 Quantity By Product Line and Retailer Type						

Create Dynamic Data Items and Titles

Use calculated data items to:

- Create dynamic column titles and report titles.
- Display user prompt selections.



Demo: Create a dynamic Revenue Growth Report

Demo - TP 35 : Create a dynamic Revenue Growth Report

Summary of 2012 Product Sales and Growth

Product	2012 Revenue	Growth
Aloe Relief	\$101,812.41	-43.77%
Astro Pilot	\$13,072,475.00	139.40%
Auto Pilot	\$3,388,230.00	*** no prior data ***
Bear Edge	\$3,960,860.01	46.57%
Bear Survival Edge	\$3,320,876.50	59.34%

Let Users Navigate to Details in the Same Report

You can create a report that drills through to itself to let users select an item from a high-level list and view its details in a separate list.



10 / 13

Demo: Let Users Navigate to Details in the Same Report

Demo TP 36 - Let Users Navigate to Details in the Same Report.

		Details for: Golf Equipment					
		(Select a product line in the left list to view order details in the right list.)					
		Product type	Product	Quantity			
		Golf Accessories Course Pro G	loves	1,126,050			
		Golf Accessories Course Pro G	olf Bag	105,694			
		Golf Accessories Course Pro G	olf and Tee Set	910,687			
		Golf Accessories Course Pro U	mbrella	977,316			
Product line	Revenue	Irons Hailstorm Ste	el Irons	129,229			
Camping Equipment	1,589,036,664.03	irons Hallstorm Tita	nium Irons	110,668			
Golf Equipment	726,411,367.89	Irons Lady Hallston	m Steel Irons	77,494			
Mountaineering Equipment	409,660,132.9	Irons Lady Hallston	m Titanium Irons	74,054			
Outdoor Protection	75,994,296.25	Putters Blue Steel Ma	x Putter	235,198			
Personal Accessories	1,885,673,307.78	Putters Blue Steel Pu	tter	240,014			
		Putters Course Pro P	utter	809,358			
		Woods Hallstorm Ste	el Woods Set	104,468			
		Woods Hallstorm Tita	nium Woods Set	98,758			
		Woods Lady Hallston	m Steel Woods Set	57,489			
		Woods Lady Hailston	m Titanium Woods Set	57.224			

Create a customer invoice report

You can create a professional invoice report using various layout features and objects, such as page headers and footers, blocks and padding.

Demo: Create a customer invoice report

Demo TP 37 - Create a customer invoice report.

