

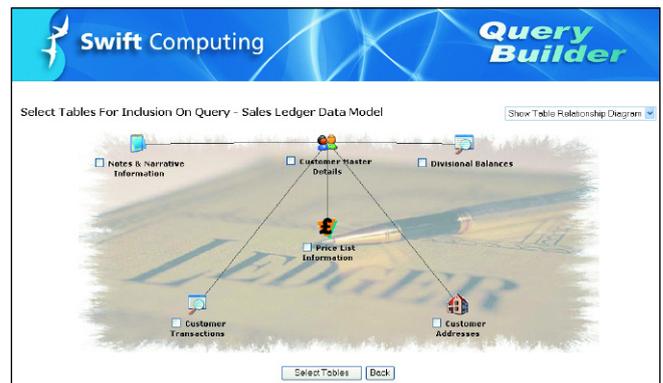
**Too little time and too much information? Cutting through IT information overload to get a true picture of an organisation's performance, an all round view of customers, an analysis of the competition and the market place is a constant challenge.**

QueryBuilder is an easy to use Web Based Query, Reporting and Enquiry tool which provides a highly cost effective means to *give every team member* the tools to deliver the right information at the right time without in-depth IT knowledge, help from in-house IT teams or any outside consultancy.

*"The most flexible and effective data extraction and report writing tool we have used in recent years, underpinned with a responsive and high standard of support"*

**Business Analyst, Print Distribution Company**

Flexible enough to cover practically any business need, QueryBuilder gives every team member the opportunity to view databases in a simple and accessible way, making it easier to search out the data they really need and to produce reports that really aid business decision making.



Database Table Selection

## A familiar "look and feel"

- QueryBuilder is Web browser based – the user interface will be familiar to any team members who use the Internet
- The familiarity and consistent look of QueryBuilder can contribute to an improvement in both verbal and written communication of findings and reports
- Menus can be customised so that staff have the reports they need at their fingertips
- Your team can determine the look and the layout of the screen making it even easier to navigate to the enquiries and reports they use regularly



Selecting the data you want to include is very straightforward

## A simpler way

- You can replicate screens from other Applications and customise them exactly as you want them to appear
- You don't need to have a working knowledge of data models and relationships to put QueryBuilder to work. For the user, it's a simple matter of selecting the data they want to see. Helpful prompts are provided throughout.

## Why re-invent the wheel?

- The ability for your in-house IT teams to share and re-use previously specified standard reports and ad hoc reports is provided via a Query Manager



## Flexibility without overheads

- QueryBuilder's Web browser design means that the need for administration by specialist staff is reduced and the effort needed to distribute the software to new departments, regardless of the location, is minimised
- QueryBuilder can be built in to your existing applications so that users feel at home with the enquiry and reporting functions. It can also be used as a standalone application.

## Getting the most from QueryBuilder

- QueryBuilder comes with built in prompts and suggestions to help you get what you need when setting up enquiries
- You can set QueryBuilder to insert key fields automatically as defaults when running queries so that you can be sure of including all key information and maximising the performance of your enquiry sequence
- You can enter selection criteria for screen fields as text or choose from a single/multiple entry list when running a query. Lists can be built automatically from database tables or SQL expressions at run-time.
- Easy to use data models built by using stored procedures, triggers and views so that you don't have to start from scratch every time
- You can annotate tables and fields in plain language and you only need to annotate a field of the same name once no matter how many times it appears in the model

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Customer A/C	Name	Post Code	Address Line 1	Address Line 2	Address Line 3	Address Line 4
1 8051642	Department of Social Security	B51 1JH	Social Security Agencies	Bridgegate/Taunton/Veolus/Somerwest		
2 7018101	Avon County Council	B51 2LF	Floor 3	Middlegate, Whitfaiars	Lewins Road	
3 9049956	W.H. Smith Limited	B52 4FG	The Galleries Shopping Centre	Broadmead		NULL
4 8493629	Department of Transport	B52 9D1	South Western Region	Room 502 Tollgate House	Houlton Street	
5 8493104	Department of Transport	B52 9D1	CCLO SWCPD	Room 502 Tollgate House	Houlton Street	
6 8500021	Department of the Environment	B52 9D1	Gen Admin 15/D	Tollgate House	Houlton Street	
7 9990058	The Planning Inspectorate	B52 9D1	RMS, B50	Room 15/10, Tollgate House	Houlton Street	
8 8493105	Department of Transport	B52 9D5	Room 519	Tollgate House		
9 9009827	NHS Supplies	B52 9DH	South S. West Division	Hann Green House	Pill	
10 8500229	Employment Service	B52 9LH	Western Super Mare ES3	Regent House	High Street	
11 785	Swift FM	B53 3RD	County gate	Ashton Road	NULL	
12 8000163	Department of Social Security	B53 4HQ	Bristol 1 DO	St.Catherine's House	St.Catherine	
13 8000223	Department of Social Security	B54 5LA	DBC Government Buildings	Flowers Hill	Bristolington	
14 1770855	Javans Limited	B55 6JJ	120 Clarendon Road	Stapleton	NULL	
15 8500229	Employment Service	B55 6NR	Easton ES3	442-452 Stapleton Road	Eastville	
16 8495151	Vehicle Certification Agency	B55 6PX	1 The Eastgate Office Centre	Eastgate Road		
17 8000006	Mr Olive Beckman	B55 6YX	55 Pine Drive	NULL	NULL	
18 9000007	Mrs Helen Beedfolds	B55 7JJ	93 Church Road	NULL	Redfield	
19 8493001	University of Bristol	B55 9JJ	106 Church Road	Redfield		
20 1000001	J Black & Son	B55 9PS	248 Waterloo Road	Cilton		NULL
21 7900054	Home Office	B57 8PS	HMS Prison (Admin)	Cambridge Road		
22 9990059	Training Enterprise Council	B58 3BY	Business Link West Ltd	16 Clifton Park	NULL	
23 7850211	Lord Chancellor's Department	B58 4BN	Court Service Bridge House	Clifton Down		
24 7850225	Lord Chancellor's Department	B58 4BN	Court Service Western Circuit Office	Bridge House	Sion Place	

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25 7900059	Lord Chancellor's Department	B58 4BN	Court Service Western Circuit Office	Bridge House	Sion Place, Clifton	
26 7200001	Waters Water Services	B59 6YH	Payments Department	PO Box 655766		
27 8493024	Employment Service	B51 2JG	South West Regional C/7th Floor	The Pithay		
28 8493063	Employment Service (LR)	B51 2JG	South West Regional C/7th Floor	The Pithay		
29 7500000	Lord Chancellor's Department	B51 2JG	Court Service Clifton Lewins Road			
30 7500000	Lord Chancellor's Department	B51 2JG	Court Service The Court Wharf			
31 7500000	Lord Chancellor's Department	B51 2JG	Court Service The Court Wharf			
32 8493003	Government Office - South	B51 2PB	The Pithay			

Results of the same enquiry can be shown in both EXCEL and Web page formats.

stockenq - Stock Details Enquiry

Warehouse: 15 - Fyler  
 Stock Code: 8500  
 Manu. Group: F00011737  
 Product Group: FWAL

On Hand: 0.000  
 In Q.C.: 0.000  
 WIP Allocated: 0.000  
 WIP: 0.000  
 Sales Picked: 0.000  
 Back Order: 0.000  
 On Order: 0.000  
 Free Stock: 0.000  
 Nett Stock: 0.000

Standard: 0.000  
 Current: 0.000  
 Average: 0.000  
 FIFO: 0.000

39753  
 21600  
 0.0000

Buttons: Enquire, Pascal Form

Screen Layout For stockenq - Stock Details Enquiry

Warehouse: 15 - Fyler  
 Stock Code: 8500  
 Manu. Group: F00011737  
 Product Group: FWAL

On Hand: 0.000  
 In Q.C.: 0.000  
 WIP Allocated: 0.000  
 WIP: 0.000  
 Sales Picked: 0.000  
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 Free Stock: 0.000  
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Standard: 0.000  
 Current: 0.000  
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 FIFO: 0.000

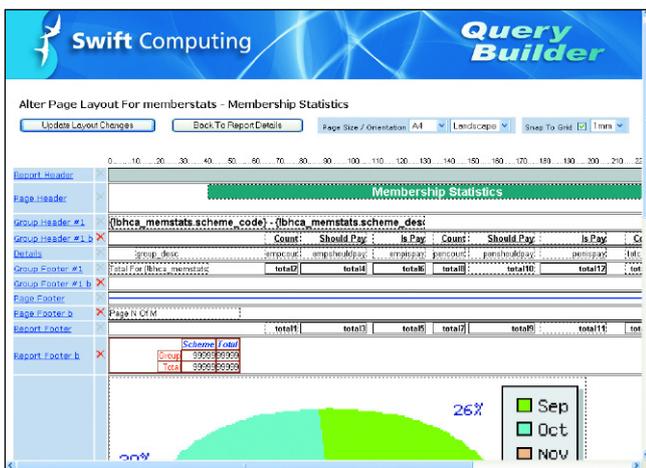
Buttons: Update Screen Layout, Back

The fields you include and their positions on the screen are under your control

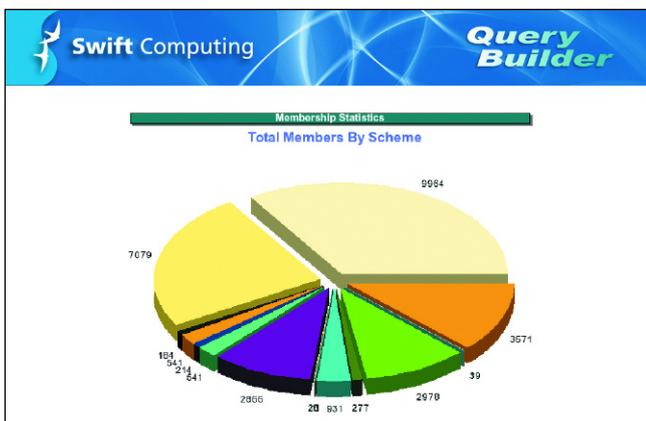
- Builds graphical representations of data models so that you can see the relationships between each table
- QueryBuilder comes with scheduling functions so that you can set the system to run queries and reports automatically at defined times
- Queries and reports can be set to run for certain groups of users – the sales pipeline report for example could be accessed by all sales staff but the data against which the report is run is under access control by sales management and cannot be altered without authority
- You can copy and exchange queries, reports and data models with other QueryBuilder implementations via email and file transfer
- Saving and sharing of your own personal views of data is very straightforward
- Global and user level address books enable you to store email contacts for mail out of queries and reports
- The output from queries and reports can be simply merged with both Word and text files to produce standard and postscript documents in your own in-house style
- File formats are suitable for output and viewing in spreadsheets, browsers and other desktop applications

## Report Layouts

- “What you see is what you get” on the screen, plus you can drag/drop and resize images using the mouse
- Appealing and attractive presentation layouts are easily achievable without in-depth training
- You can generate printable views
- You can add two dimensional grids to report layouts
- 3D charts can be generated from the output of a query
- Grid cell formatting lets you present individual report fields in different colours and fonts. In exception reports for example, negative values can be output in red so that you can spot variances more easily.
- Graphical charts enable visual data representation in the form of bar and pie charts, as well as line graphs



Setting up the report layout



Graphical display options include pie charts

## The Mechanics

### Data Model Generator

- Lets you annotate database tables & columns and pre-define table relationships
- Enables you to extend database tables within the model via SQL expression and formula fields
- You can define standard help text and default values for table columns
- Data entry fields can be defined to be shared across queries (allowing single value, multiple value and

range value entry either as text input fields or selections from a dropdown list)

- Data entry list fields can be shown with on-line information (e.g. populated at run-time from the database)
- Comprehensive import/export facilities available to allow model details, queries and reports to be exchanged between systems
- Queries can be saved with the data of their last run so that other systems without access to the database can produce reports off-line

### Query Generator

- Multiple tables across different data models can be used in a single query
- You can summarise query results using SUM, MIN, MAX, AVERAGE & COUNT database functions
- Queries can be ordered by any column in the selected tables even if the column is not displayed as part of the query results
- Exports query results in Excel, Rich Text (RTF), XML, Word Mailmerge & Delimited Text formats
- Query results can be displayed to a Web browser, downloaded to a local file on the user's PC or emailed as a file attachment (maintainable address book incorporated)

### Report Generator

- Can export report results in PDF (Portable Document Format), EXCEL, HTML & Postscript format
- Multiple reports can share the output from a single query and then re-order the results
- Reports can be formatted in Portrait/Landscape with sizes from Letter to A3
- Can add the following objects to a report layout:
  - Table columns selected in the query
  - Free format text
  - Images/Pictures
  - Calculated fields (totals & summaries)
  - SQL Expression fields
  - Grids (format data in a 2-dimensional grid)
  - Lines
  - Special fields (Page N Of M, Date etc.)
  - Charts (2D & 3D Pie charts & Bar charts)
  - Contents of input criteria when the report was run
- Individual report object formatting available (colour, size, font, number/date formatting)
- Reports can be grouped by multiple columns (including first N record selection)

### Data security

- Access to sensitive data is controlled through a series of security settings which determine against what data and in which formats a user can run QueryBuilder

## Services

QueryBuilder is designed for maximum productivity under your organisation's control from the outset.

We are always pleased to assist should our help be required. Typical areas include:

- Set up of data models in partnership with your users and IT staff
- Production of ready built, customised reports

## Technology

- Control of user access to queries and reports via logon and user group permissions
- Resides on a standalone Web server – no software required on user PCs
- Accessible by Windows, Macintosh and Linux systems
- Works with many leading mid range and PC databases including Oracle, Informix, SQL Server, MySQL, DB2, MS Access 2000
- Data exchange via XML
- Automatic transfer of new rules to the data model means there is no need for manual data input or maintenance of redundant application metadata
- Comes with a run-time option with Query Management, allowing you to re-use and share queries and a "block by block" QueryBuilder
- Supports postscript output for producing in-house style documents

## About Swift Computing

Corporate systems developer, Swift Computing, has more than 20 years' experience in the development, support and supply of integrated application software to both major organisations and SMEs.

Swift Computing is one of three companies in the Swift Group, which also comprises Local Government specialist developers, Swift LG, and Swift FM, the third party logistics arm of the group.

Swift's strategic partners include IBM Informix, Compuware Corporation, Anite, MapInfo Corporation and ESRI.

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