

Design: Query Design

Query Design

Query design is used for queries that may be implemented later. Query design doesn't use SQL.

The design of a query requires that you define:

- tables to be used in the query
- fields to be used in the query
- search criteria
- sort order

This is usually used to design **SELECT** queries to display information from entities.

Query Design

To represent the design of a query, the following layout is usually used.

Table(s)	
Field(s)	
Search criteria	
Sort order	

Query Design Example

The next slide shows the design for a query that will display clientfirstname and phonenumber for clients where the hairdresserid is 2210, sorted by clientfirstname descending.

hairdresser

hairdresserid	firstname	lastname	contactnumber	salon
2210	Huda	Quhshi	07700 900477	West Style
2019	Sharon	Watt	07700 900582	On The Corner
1928	Phillip	Christie	07700 900142	Cuts & Co

client

hairdresserid	clientid	clientfirstname	clientlastname	phonenumber
1928	10290	Wen	Qiu	0141 496 0536
1928	11766	Michael	Waters	07700 900556
1928	12654	Faseeha	al-Allam	07700 900569
2019	10291	Peta	Mulisdottir	0151 496 0838
2019	20533	Egisto	Mario	0131 496 0294
2210	36172	Phillip	Roach	0131 496 0734
2210	32100	Emily	Sieff	0207 946 0126

Query Design Example

Design to display clientfirstname and phonenumber for clients where the hairdresserid is 2210, sorted by clientfirstname descending.

Field(s)	clientfirstname, phonenumber
Table(s)	client
Search criteria	hairdresserid = 2210
Sort order	clientfirstname descending