

## Design

I am going to do 3 databases for which in all will contain information of its purpose, the databases will be joined together through a primary key, which will be unique and identify each, joining them all together. . In one will be information on all the houses the real estate agent "elite" own and in another will be information on all the current customers they are dealing with at the moment allowing space to enter new customers as well, and in the other will be a database of the houses what customers have visited. Below is a list of field names I will use for my first database.

Field name	Data Types	No of Characters	Reasons for having the Field	Validation method
Reference number	Number	5	To identify each house by a number	N/A
House number	Text	4	I will be having this field, as it will identify the house and pinpoint it's location.	N/A
Street	Text	25	This is necessary for finding the location of the house	N/A
Town	Text	25	This is vital for some customers are fastidious about where they live.	N/A
County	Text	25	This again is needed for the location of the house.	N/A
Number of bedrooms	Number	2	This is vital for people will need to accommodate for a certain amount of people.	N/A
Number of bathrooms	Number	2	This is an informative field just encase the question arrives,	N/A
Type of house	Lookup wizard	25	This again is another informative field giving the customer an insight as to what the house is like.	N/A
Back garden	Lookup wizard	3	This is to inform the customer as to if there is a back garden or not, this could be useful to people with children.	N/A
Price	Currency	10	The most important field could decide whether the company gains a customer or loses one.	N/A

Table 2

Field name	Data types	No. of characters	Reasons for having field	Validation method
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Customer no	Number	4	This field is given to each customer to identify each individually	N/A
Name	Text	25	This field is necessary to inform the database user of the customer's name	N/A
Current house	Lookup wizard	25	This is needed to judge the customers housing status the four lookup wizard fields will contain Owned, housing association, let/rented accommodation council housed.	N/A
Number of house	Text	4	This is needed as part of the address of the customer; I have made it text as some flats have address's such as 46a or 34b.	N/A
Street name	Text	25	This is needed as part of the customer's address.	N/A
Town	Text	25	This is needed as part of the address.	N/A
County	Text	25	This is needed as part of the address.	N/A
Type of house	Text	25	This is needed so that if any suggestions towards a new house are needed the user can give sensible ones.	N/A

Table 3

Field name	Data types	Number of characters	Reasons for having field	Validation method
Customer number	Number	4	To identify the customer of the visit.	N/A
Reference number	Number	5	To identify the house they visited.	N/A
Date visited	Date/time	10	To inform us if needed when they visited the house.	N/A
Time visited	Date/time	5	To inform us of the time if it is needed on an occasion.	N/A
No, of people	Number	2	This is needed to inform the user of the number of people so that the user will have a rough estimate idea of how many people will be needing the house.	N/A

The database I will set up will be used for a number of purpose and used mainly for queries, which are questions that the user asks of the database. Some examples of queries that will be asked include:

- How many visits took place to 5 Aston avenue on may 5<sup>th</sup> 2000? This problem could be rectified easily by using my database and going to queries, then the user could type in the necessary information example; Like 5 and Like Ashton avenue etc.
- What houses has Fred Bradley visited? Again this problem could easily be solved using my database and going to query wizard filling in the necessary information.

For the first query above the information entered will look something like this

My data will be outputted in a number of ways the information will be mainly all screen based and only needed for extensions onto other documents. Such as letters to certain address or new houses on the market that should be told to customers. This is a rough design of what my data will look like and also a design of the query wizard that will be mainly used.

[illegible]

I will be able to perform a number of tests on my data, which will make it easily adjustable and perfect for business use.

On all documents that are able to be constructed using information from my database the user will be able to perform tests such as spelling and grammar checks which will make the document read-perfect and professional.

My input masks will also validate the information being put into my database making sure that only correct information is entered. Below is tests that I can perform on each field in each database to test this:

Field name	Data Types	No of Characters	Normal	Invalid
Reference number	Number	5	53215	354dddddreeee
House number	Text	4	5	45345
Street	Text	25	plum	We3424s33s
Town	Text	25	Hounslow	R32423sd
County	Text	25	Shepperton	Wer4242d
Number of bedrooms	Number	2	2	Dsfsf
Number of bathrooms	Number	2	1	Dss
Type of house	Lookup wizard	25	Detached	3212fds
Back garden	Lookup wizard	3	No	Ewwwww
Price	Currency	10	£345,000	Dsrsf

Table 2

Field name	Data types	No. of characters	Normal	Invalid
Customer no	Number	4	1234	Assr442
Name	Text	25	John Smith	Sdefsdwfw354234edf
Current house	Lookup wizard	25	Council	Qweqw3,.../
Number of house	Text	4	3	4235retgtr.,
Street name	Text	25	Plum	21q42wsds,.
Town	Text	25	Hounslow	4214253rwkuji
County	Text	25	Middx	Rafs,.,.
Type of house	Text	25	Detached	4w5355tgdrtdg,.,.,.

Table 3

Field name	Data types	Number of characters	Normal	Invalid
Customer number	Number	4	1234	Dgdfgdf
Reference number	Number	5	65432	Dfgdgd
Date visited	Date/time	10	02/03/2000	Sdfsdfs
Time visited	Date/time	5	12.33	Ffsdfsfsd
No, of people	Number	2	2	Esrdgsdfs

In order to save my work I will need to use file formats the file formats I will use in my work will be .doc in word and .mdb in access.

A file format is the way in which information is stored in a file so that a program can open and save the file. A file's format is indicated by a three-letter extension after the file name. For example, when you save a new document in Microsoft Word 2000, Word by default stores it in Word 2000 format with a .doc file extension. If you want to convert a document to a different format so that you or someone else can open it in another program or in an earlier version of Word, you can select that file format when you save the document this is the same principle as for access except using the different unique file format of .mdb.

All my files will be double backed up onto two master discs and be kept safely with other important files they will be updated regularly making sure to include all necessary information.

All data will be kept on each of Elite the real estate's company computers for access by all employee's at any time when required. If a fault does occur in the system the master discs should be brought into availability to re-boot the system.