

Database project

Report on work undertaken

1.0 The database I will create

I am going to create a database for a local computer club that I attend. The club meets every Thursday, Friday and Wednesday at different times. They have 40 members so far but interest is rising. I will need to create a database that will hold personal information about the members such as their telephone number, address, emergency contact and their class details.

2.0 What I hope my database will achieve

In creating this database it will make it easier for the organiser to be able to change records, it's a lot quicker and simpler to operate and you can also do search for a particular piece of data.

3.0 The data I need to collect

For my database I will need the following information:

First and last names of members

Address including postcode

Home and mobile numbers

Emergency contact and their number

Their class details

Their doctor's name

4.0 The tables I will create

I will create three tables: a member's details table, a doctor's details table and a Class details table. The member's table will contains all personal information about the member. The Doctors table contains all the details about the member's doctors and the class table contains what classes are and who teaches them as well as the time of the lesson.

4.1 Member's details

Field Name	Data Type	Field Size	Required	Primary Key
Personal Reference No	Number	Long Integer	Yes	Yes
First Name	Text	20	Yes	No
Last Name	Text	20	Yes	No
Address	Text	255	Yes	No
Postal Code	Text	7	Yes	No
Home Phone	Text	50	Yes	No
Mobile Phone	Text	50	Yes	No
Emergency Contact Name	Text	50	Yes	No
Emergency contact No	Text	50	Yes	No
Class	Text	15	Yes	No
Doctors Name	Text	30	Yes	No

4.2 Doctors details

Doctors Name	Surgery Name	Surgery Address	Postal Code	Surgery Phone
Dr A Kinch	Health Matters	Solihull	S46 4SG	0121 7878747
Dr B Dover	Up Hill Health	Portsmouth	P65 4HK	0121 754 6477
Dr B King	Northfield Health Centre	Northfield	B31 5PL	0121 445 6878
Dr N Cage	Millennium Point Practice	Weoley Park Surgery	B31 5GH	0121 639 5455
Dr D Rink	No Liver Surgery	Drunken Ville	D56 5FG	0121 656 7468
Dr G Ali	Bartley Green Health Centre	Bartley Green	B32 3AY	0121 464 6787
Dr G Rage	Heart Healing Surgery	Devon	D89 5GF	0147 564 6467
Dr H Heal	Healing Hands Surgery	Bartley Green	B32 6CV	0121 544 9797
Dr H Shipmen	Weoley Park Surgery	Weoley Castle	B29 5NR	0121 639 8454
Dr K Allen	Hearty Practice	Selly Oak	B48 6GD	0121 546 4648

4.3 Class detail's

Class	Instructor	Day of class	Time of class
Beginner	Mr James	Thursday	7:45 pm
Expert	Ms King	Friday	7:30 pm
Intermediate	Mr Jones	Wednesday	7:00 pm

5.0 The relationships I will use

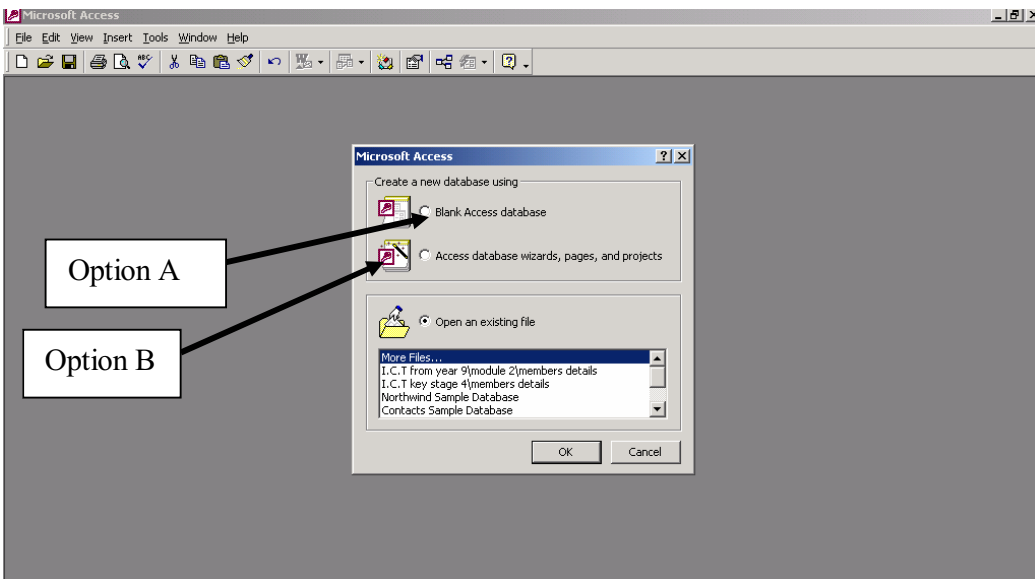
I will connect all three of my tables together, I will do this by creating a relationship between them. I will link the doctor's name field from the doctor's table to the doctor's name field in the member's table. Then I will connect the class field from the class table to the class field in the member's table.

6.0 How I created my database

This section shows how I created my database.

6.1 Creating the tables

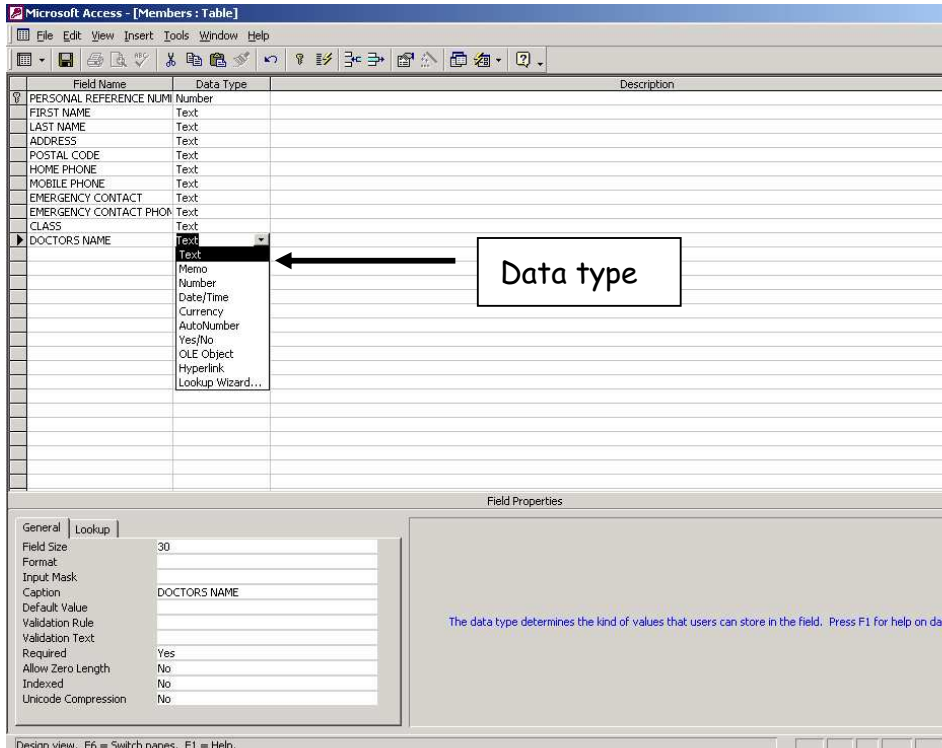
After loading up access you will get this screen.



To start creating a table you can click on: A) blank access database or B) access database wizards pages and projects.

6.2 Setting up the table structure

To get the below screen you will need to click on this button



To type in my field names I clicked on the lines and typed in the appropriate field names e.g. first name and last name. After you have typed in all of your field names you need to choose what data type you require. For example on all of my field names except the personal reference number I have chosen text.

6.3 Creating the primary key



	Field Name
	PERSONAL REFERENCE NUM
	FIRST NAME
	LAST NAME

This is a primary key

A primary key is a piece of data is that unique such as the personal reference number. You need to have a primary key because you may have duplicate names but you can't have duplicate personal reference number.