

Re: Mixed up with Relationships..help!

Source:

<http://www.tech-archive.net/Archive/Access/microsoft.public.access.gettingstarted/2005-01/1271.html>

From: KrazyRed (*KrazyRed_at_discussions.microsoft.com*)

Date: 01/25/05

Date: Tue, 25 Jan 2005 00:19:04 -0800

This looks amazing, but i am going to demonstrate how thick I am.

The Structure of the database has 1 questionnaire which has gone to 10 different schools. So 10 schools have had all the same questions. Also, the students themselves are not identified, so the studentID will only be the unique key to 1 questionnaire. there are about 150 questionnaires completed for each school.

So I don't think we need a sponsors table, and i am slightly puzzled by reference to CONSTRAINT – what is this?

Am i right in thinking that there should be a table for questions which hold all the questions for the questionnaire.

and then a table for answers which has the questionID as a foreign key; what does REFERENCES mean?

Then we have a table for questionnaires, which i think i understand, and a table for questionnaire questions which has me more puzzled. I thought we had questions already, are these different questions?

And then we have questionnaire answers which i thought we already had answers.

Are you suggesting that i have a separate table for Questions and Answers, and questionnaire questions and answers. I would like to try and keep this as simple as possible. If u don't mind bearing with me, and explaining the terms u have used I would really appreciate it.

You can see why I am confused I hope.

"Chris2" wrote:

>
> "KrazyRed" <KrazyRed@discussions.microsoft.com> wrote in message
> news:95DA600E-7DE2-4FF7-8CA2-5286EB91B609@microsoft.com...
>> Ok, I have managed to get myself completely confused.
>>
>> I have a table, called tblstudent, which has a series of questions

microsoft.public.access.gettingstarted: Re: Mixed up with Relationships..help!

> in it, as
> > in data entry for a questionnaire.
>
> The name tblstudent implies that the table is about students, not
> about questions.
>
> That table sounds like it should be called QuestionnaireAnswers.
>
> >
> > I have read some books about relationships and the trouble i have is
> that
> > several of the questions have the same choice of answer, for
> example,
> > tblagreetype. ie. strongly agree, slightly agree, slightly disagree
> etc. When
> > i try to create the lookup table to link to this table, the
> relationships
> > window looks all over the place.
>
> The Tables would go like this:
>
> CREATE TABLE Students
> (StudentID AUTOINCREMENT
> ,NameFirst TEXT(72)
> ,NameMiddle TEXT(72)
> ,NameLast TEXT(72)
> ,CONSTRAINT pk_StudentID PRIMARY KEY (StudentID)
>)
>
> CREATE TABLE Faculty
> (FacultyID AUTOINCREMENT
> ,NameFirst TEXT(72)
> ,NameMiddle TEXT(72)
> ,NameLast TEXT(72)
> ,CONSTRAINT pk_Faculty PRIMARY KEY (StudentID)
>)
>
> CREATE TABLE Questions
> (QuestionID AUTOINCREMENT
> ,Question TEXT(255) NOT NULL
> ,CONSTRAINT pk_Questions PRIMARY KEY (QuestionID)
>)
>
> CREATE TABLE Answers
> (AnswerID AUTOINCREMENT
> ,QuestionID LONG NOT NULL
> ,Answer TEXT(255) NOT NULL
> ,CONSTRAINT pk_Answers PRIMARY KEY (AnswerID)
> ,CONSTRAINT fk_Answers_Questions FOREIGN KEY (QuestionID)
> REFERENCES Questions (QuestionID)
>)

Re: Mixed up with Relationships..help!

microsoft.public.access.gettingstarted: Re: Mixed up with Relationships..help!

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>
> CREATE TABLE Questionnaires
> (QuestionnaireID AUTOINCREMENT
> ,QuestionnaireName TEXT(72) NOT NULL
> ,CONSTRAINT pk_Questionnaires PRIMARY KEY (QuestionnaireID)
> )
>
> CREATE TABLE QuestionnaireSponsors
> (QuestionnaireSponsorID AUTOINCREMENT
> ,QuestionnaireID LONG NOT NULL
> ,FacultyID LONG NOT NULL
> ,CONSTRAINT pk_QuestionnaireSponsors PRIMARY KEY (StudentID)
> ,CONSTRAINT fk_QuestionnaireSponsors_QuestionnaireID FOREIGN KEY
> (QuestionnaireID)
> REFERENCES Faculty
> (QuestionnaireID)
> )
>
> CREATE TABLE QuestionnaireQuestions
> (QuestionnaireQuestionsID AUTOINCREMENT
> ,QuestionnaireID LONG NOT NULL
> ,QuestionID LONG NOT NULL
> ,CONSTRAINT pk_QuestionnaireQuestions PRIMARY KEY (QuestionnaireID)
> ,CONSTRAINT fk_QuestionnaireQuestions_Questionnaires FOREIGN KEY
> (QuestionnaireID)
> REFERENCES
> Questionnaires (QuestionnaireID)
> ,CONSTRAINT fk_QuestionnaireQuestions_Questions FOREIGN KEY
> (QuestionID)
> REFERENCES Questions
> (QuestionID)
> )
>
> CREATE TABLE QuestionnaireAnswers
> (QuestionnaireAnswersID AUTOINCREMENT
> ,StudentID LONG NOT NULL
> ,QuestionnaireQuestionsID LONG NOT NULL
> ,StudentsAnswer TEXT(255) NOT NULL
> ,CONSTRAINT pk_QuestionnaireAnswers PRIMARY KEY (QuestionnaireID)
> ,CONSTRAINT fk_QuestionnaireAnswers_Students FOREIGN KEY (StudentID)
> REFERENCES Students
> (StudentID)
> ,CONSTRAINT fk_QuestionnaireAnswers_QuestionnaireQuestionsID FOREIGN
> KEY (QuestionnaireQuestionsID)
> REFERENCES
> QuestionnaireQuestions (QuestionnaireQuestionsID)
> )
>
>
> There, that looks right (bear in mind I wrote that in about 30
> minutes).
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microsoft.public.access.gettingstarted: Re: Mixed up with Relationships..help!

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