

# Relationships between tables in Access

In this article, go with TipsMake.com to learn more about how to establish a relationship. The **nn** relationship is the relation between two tables, a record of table A can have multiple records matching in table B and vice versa.

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To create such a relationship, define the third table, called a join table, with the primary key including foreign keys from both Table A and Table B to divide the nn relationship into two 1-n relationships. .

Continuing with the examples in the previous tutorial, we added a **tblTacgia** table and a link table **tblTacgiaNoi**. The **Author** table includes the schools *TacgiaID, Ten, Ho, Diachi, Dienthoai, Email, Ngaysinh*.

Field Name	Data Type	Description (Optional)
TacgiaID	Number	
Ten	Short Text	
Ho	Short Text	
Diachi	Short Text	
Dienthoai	Short Text	
Email	Short Text	
Ngaysinh	Date/Time	

Add new table tblog has fields as shown

Often an author will work with many projects, as well as a project that can have many authors working together. As in the previous tutorials, the **tblDuAn** table also has an author field, so we will create a separate table that includes information about the author. So, we don't need this field in the **Project** table anymore.

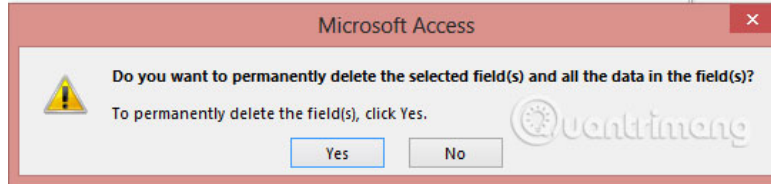
Field Name	Data Type	Description (Optional)
DuAnID	AutoNumber	
TenDuAn	Short Text	
BienTap	Short Text	
TacGia	Short Text	
TinhTrang	Short Text	Tong quan ve tinh trang du an
HopDong	Attachment	
TimeBatdau	Date/Time	
TimeKetthuc	Date/Time	
NganSach	Currency	
GhiChu	Long Text	

Field Properties	
Field Size	255
Format	
Input Mask	
Caption	
Default Value	
Validation Rule	
Validation Text	
Required	No
Allow Zero Length	Yes
Indexed	No
Unicode Compression	Yes
IME Mode	No Control
IME Sentence Mode	None
Text Align	General

The tblDuAn table also has a field about Authors

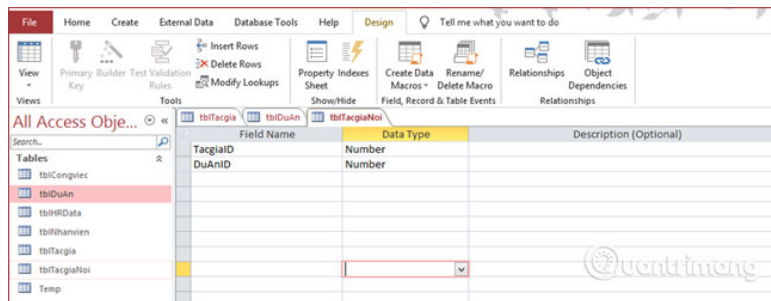
Choose **Tacgia** school , press the delete button and you will see the following message.



Delete the TacGia field on this table

Click **Yes** .

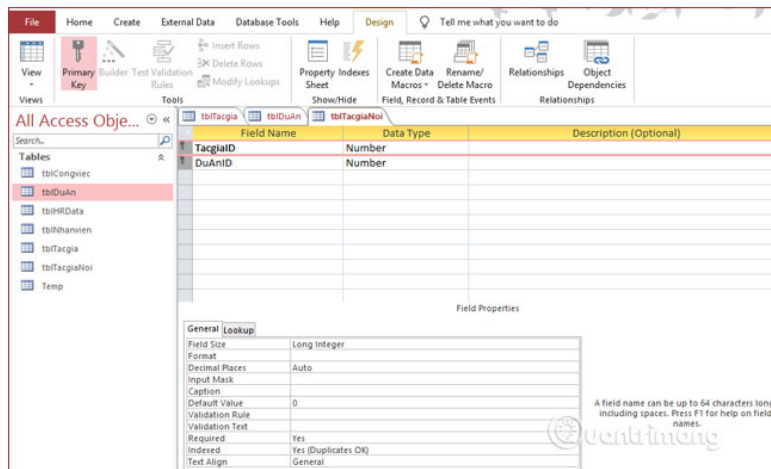
Now we will create a link board. This connector has two foreign keys as follows:



Add 2 ID fields of the two tables to this join table

These foreign key fields will be primary keys from both tables **tblTg** and **tblDuAn**.

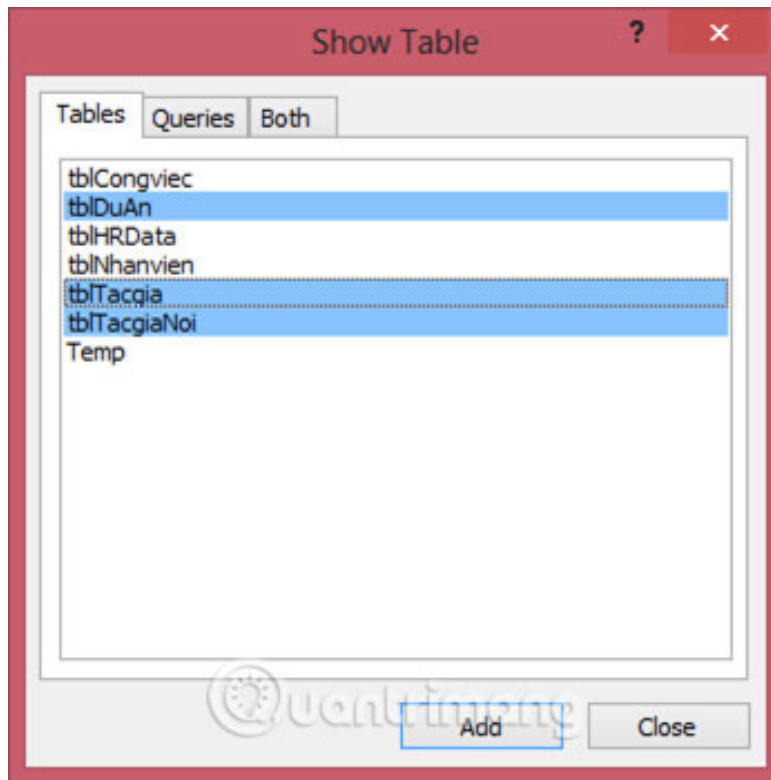
To create multiple keys in Access, select both of these fields, go to the **Design** tab , click **Primary Key**, the selected fields will become keys.



The two selected fields all become keys

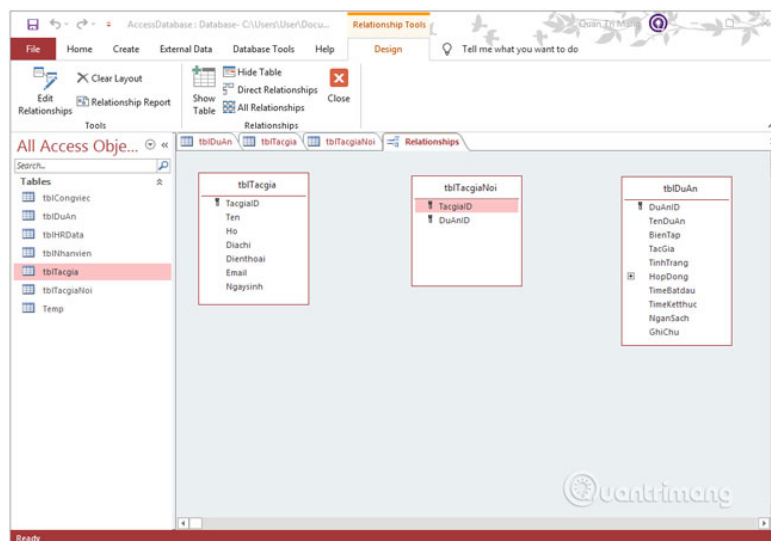
Save the table with the name **tblTacgiaNoi**.

Next, go to the **Relationship** in the **Design** tab to create a relationship by clicking **Show Table**.



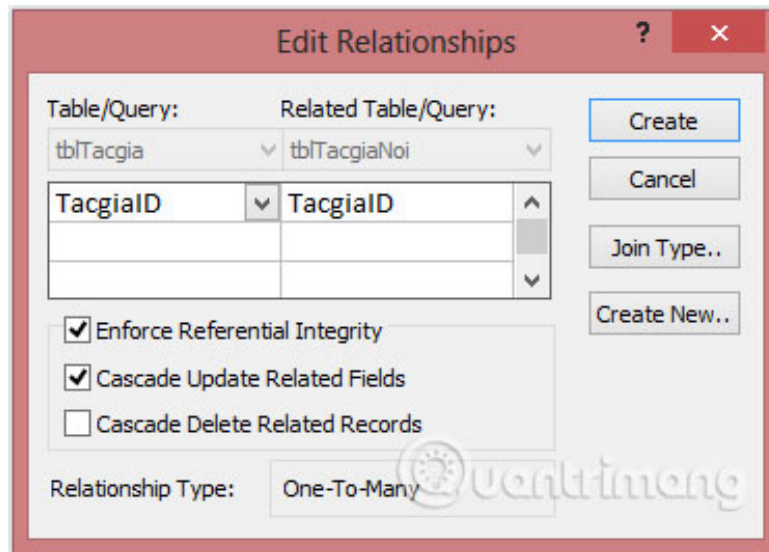
Add 3 tblDuAn tables, tblTaccia and tblTacciaNoi

Select the **tblDuAn**, **tblTaccia** and **tblTacciaNoi** tables, click **Add** to add all three tables to the desktop and close the **Show Table** dialog box .



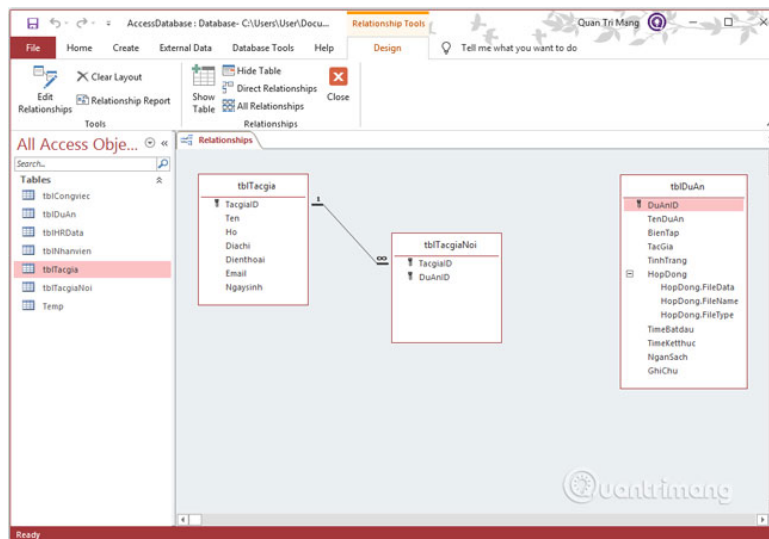
All 3 tblDuAn, tblTaccia and tblTacciaNoi tables are added to the screen

Using the mouse to click and hold the **TacgiaID** field in **tblTacgia** table , drag to the **TacgiaID** field you want to connect to the table **tblTacgiaNoi**. When you release the mouse, Access opens the **Edit Relationships** window . Note, the relationship that is creating Access will be considered a 1-n relationship. Click the **Cascade Update** box and click **Create**:

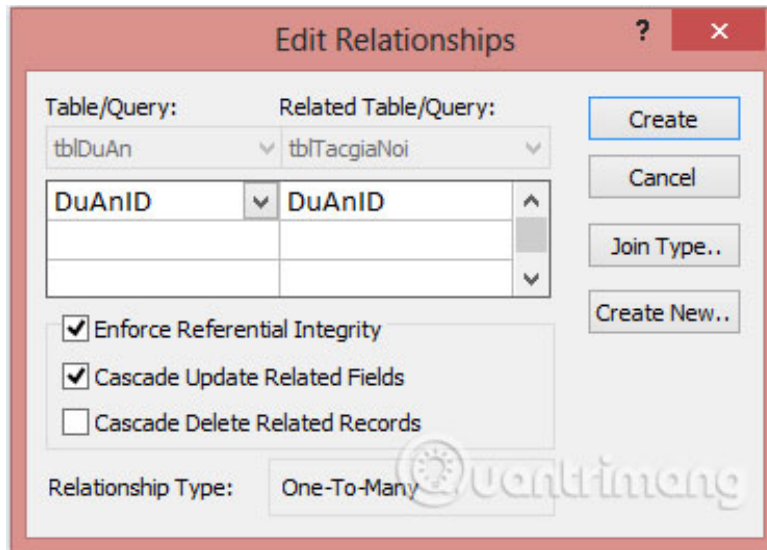


Pulling together two TacgiaID fields of two tables will display the Edit Relationships dialog box

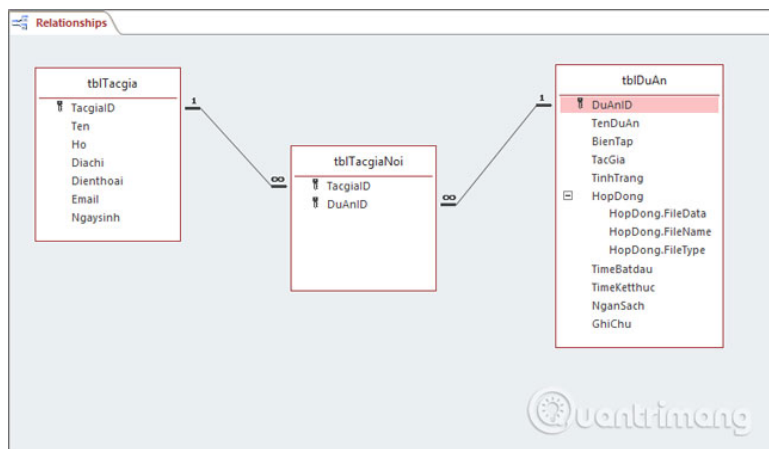
Result:



Next, drag the **DuAnID** field from the **tblDuAn** table to the **DuAnID** field of the **tableTableGoogle**, and check the **Enforce Referential Integrity** box and **Cascade Update Related Fields** .



Drag the two DuAnID fields of the two tables together to display the Edit Relationships dialog box  
 And this is the relationship we want to establish:



Relationship nn

Previous article: 1-n relationship between tables in Access

Next lesson: Wildcard representation operator in Access

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