

---

Subject: Re: grandparent - parent - child link entity  
Posted by [gpatti](#) on Fri, 31 Dec 2010 15:22:16 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hi Tony,

I'm afraid I don't have an easy way to draw the schema so I hope the following rambling description will suffice. Please let me know if this creates additional questions.

The application will be to allow a person to create a dance routine for a given dance type from a set number of figures.

Table dance\_type

- dance\_type\_id (PK)
- other columns

Table figure

- figure\_id (PK)
- other columns

Table dance\_figure (link table allowing many-many between dance\_type and figure)

- dance\_type\_id
- figure\_id

Now a new link table is introduced and relationships used to join dance\_figure to itself in a many-many relationship

Table follow

- dance\_type\_id
- figure\_id
- follow\_id

Two relationships between dance\_figure and follow using figure\_id and follow\_id as foreign key

- 1 - dance\_type\_id and figure\_id as snr
- 2 - dance\_type\_id and follow\_id as jnr

The concept is that a dance\_type consists of a number of figures. A figure may exist in more than one dance\_type (hence many-many link relationship using dance\_figure).

Any figure (within a particular dance\_type) can have one or more allowed following figures.

Therefore, I need to be able to specify for each row in dance\_figure, which other figures are valid follows (it isn't allowed to mix dance\_types, so dance\_id as follow does not need to be included in the follow table).

In terms of the framework, I wanted to be able to navigate from the dance\_type list screen to a link screen allowing the valid dance\_figures to be selected (this part is easy and is complete). However, for a selected dance\_figure I then want to navigate to another link screen to select the

valid follows.

---