

















University of Toronto		Department of Computer Science
Association Multiplicity		
SASK questions about the associations: So Can a campaign exist without a member of staff to manage it?		
> If yes, then the association is optional at the Staff end - zero or one		
<pre> If a campaign cannot exist without a member of staff to manage it > then it is not optional </pre>		
७ if it must be managed by one and only one member of staff then we show it like this - exactly one		
♦ What about the other end of the association?		
 Does every member of staff have to manage exactly one campaign? No. So the correct multiplicity is zero or more. 		
Some examples of specifying multiplicity:		
Solution (0 or 1)	01	
the Exactly one	1	
Sero or more	0*	= *
the or more	1*	
A range of values	16	
Solution A set of ranges	13,7	710,15,19*
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