


Updates / delete / 1

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query	Updates / delete / 1				
title	Remove person and its personal forums and message (sub)threads				
pattern	<pre>graph LR P1[Person] -- likes --> M1[Message] P1 -- knows --> P2[Person] P1 -- worksAt --> C[Company] P1 -- studyAt --> U[University] P1 -- hasInterest --> T[Tag] P1 -- isLocatedIn --> Ci[City] P1 -- hasMember --> F1[Forum Group/Album/Wall] P1 -- hasModerator --> F2[Forum Group] P1 -- hasModerator --> F3[Forum Album/Wall] P1 -- hasCreator --> M2[Message] M1 --> P1 P2 --> P1 C --> P1 U --> P1 T --> P1 Ci --> P1 F1 --> P1 F2 --> P1 F3 --> P1 M2 --> P1</pre>				
description	Remove a Person with ID \$personId and its edges (isLocatedIn, studyAt, workAt, hasInterest, likes, knows, hasMember, hasModerator, hasCreator). Additionally, remove the Album and Wall Forums whose moderator is the Person and remove all Messages the Person has created in the rest of the Forums (Groups).				
params	<table><tr><td>1</td><td>\$personId</td><td>ID</td><td></td></tr></table>	1	\$personId	ID	
1	\$personId	ID			
CPs	9.3, 9.4, 9.5				
relevance	<ul style="list-style-type: none">Removal of a Person removes Forums of type “Walls” and “Albums” but not “Groups”, which can continue if even the founder has left the network. For Groups, the hasModerator edge is deleted. We have discussed various approaches to appoint a new moderator, e.g.<ol style="list-style-type: none">choose member at random from the set of existing group members orthe member with the oldest group join date becomes the moderator. However, to keep the generator and the workload simple, currently no moderator is selected, leaving the group without a moderator.Removal of a Person removes all Posts/Comments they are creator of this could result in the removal of a Comment in the middle of a thread.				

Updates / delete / 2

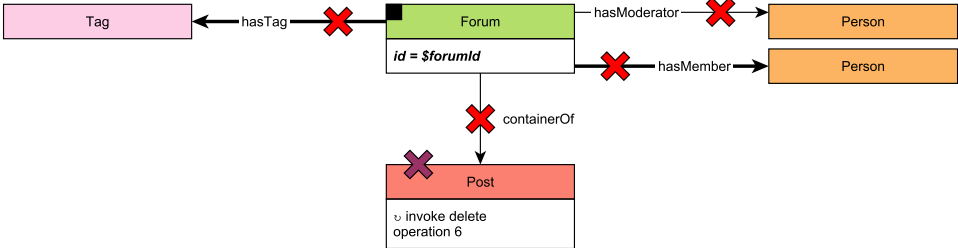
DEL 1
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query	Updates / delete / 2											
title	Remove post like											
pattern												
description	Given a Person with ID \$personId and a Post with ID \$postId, remove the likes edge between them.											
params	<table><tr><td>1</td><td>\$personId</td><td>ID</td><td></td></tr><tr><td>2</td><td>\$postId</td><td>ID</td><td></td></tr></table>	1	\$personId	ID		2	\$postId	ID				
1	\$personId	ID										
2	\$postId	ID										
CPs	9.4											
relevance	Removal of a likes edge is a rare event, e.g. people accidentally liking a Post, this can be reflected by the relative frequency of the operation.											

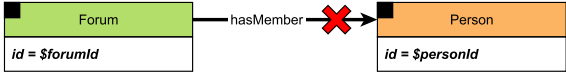
Updates / delete / 3

DEL 1	query	Updates / delete / 3		
DEL 2	title	Remove comment like		
DEL 3	pattern			
DEL 4				
DEL 5				
DEL 6				
DEL 7				
DEL 8				
	description	Given a Person with ID \$personId and a Comment with ID \$commentId, remove the likes edge between them.		
	params	1	\$personId	ID
		2	\$commentId	ID
	CPs	9.4		
	relevance	Removal of a likes edge is a rare event, e.g. people accidentally liking a Comment, this can be reflected by the relative frequency of the operation.		

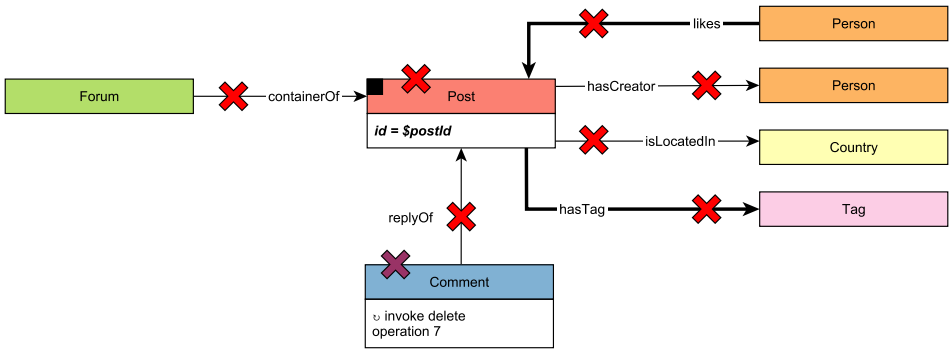
Updates / delete / 4

DEL 1	query	Updates / delete / 4		
DEL 2	title	Remove forum and its content		
DEL 3	pattern			
DEL 4				
DEL 5				
DEL 6				
DEL 7				
DEL 8				
	description	Remove a Forum with ID \$forumId and its edges (hasModerator, hasMember, hasTag) and all Posts in the Forum (connected by containerOf edges) and their direct and transitive Comments.		
	params	1	\$forumId	ID
	CPs	9.3, 9.4, 9.5		
	relevance	n/a		

Updates / delete / 5

DEL 1	query	Updates / delete / 5									
DEL 2	title	Remove forum membership									
DEL 3	pattern										
DEL 4	description	Given a Forum with ID \$forumId and a Person with ID \$personId, remove the hasMember edge between them.									
DEL 5	params	<table border="1"> <tr> <td>1</td><td>\$forumId</td><td>ID</td><td></td></tr> <tr> <td>2</td><td>\$personId</td><td>ID</td><td></td></tr> </table>		1	\$forumId	ID		2	\$personId	ID	
1	\$forumId	ID									
2	\$personId	ID									
DEL 6	CPs	9.4									
DEL 7	relevance	n/a									
DEL 8											

Updates / delete / 6

DEL 1	query	Updates / delete / 6					
DEL 2	title	Remove post thread					
DEL 3	pattern						
DEL 4	description	Remove a Post node with ID \$postId and its edges (isLocatedIn, likes, hasCreator, hasTag, containerOf). Remove all replies to the Post and the connecting replyOf edges. In addition, remove all transitive reply Comments to the Post and their edges.					
DEL 5	params	<table border="1"> <tr> <td>1</td><td>\$postId</td><td>ID</td><td></td></tr> </table>		1	\$postId	ID	
1	\$postId	ID					
DEL 6	CPs	9.3, 9.4, 9.5					
DEL 7	relevance	n/a					
DEL 8							

Updates / delete / 7

DEL 1	query	Updates / delete / 7				
DEL 2	title	Remove comment subthread				
DEL 3	pattern					
DEL 4						
DEL 5						
DEL 6						
DEL 7						
DEL 8						
	description	Remove a Comment node with ID \$commentId and its edges (isLocatedIn, likes, hasCreator, hasTag). In addition, remove all replies to the Comment connected by replyOf and their edges.				
	params	<table><tr><td>1</td><td>\$commentId</td><td>ID</td><td></td></tr></table>	1	\$commentId	ID	
1	\$commentId	ID				
	CPs	9.3, 9.4, 9.5				
	relevance	n/a				

Updates / delete / 8

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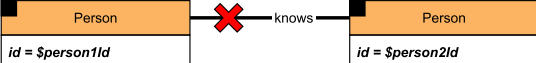
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query	Updates / delete / 8			
title	Remove friendship			
pattern				
description	Given two Person nodes with IDs \$person1Id and \$person2Id, remove the knows edge between them.			
params	1	\$person1Id	ID	
	2	\$person2Id	ID	
CPs	9.4			
relevance	n/a			