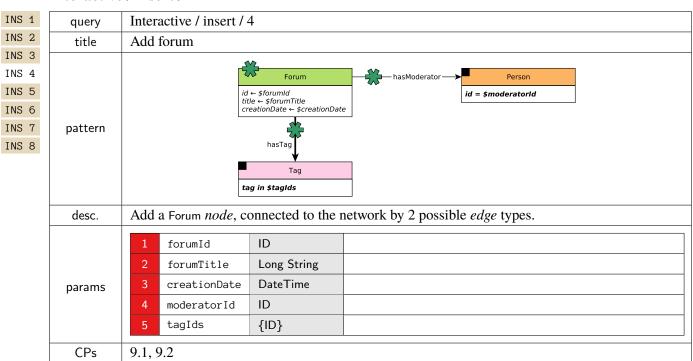
INS 1	query	Interactive / insert / 1				
INS 2	title	Add person				
INS 3 INS 4 INS 5 INS 6 INS 7 INS 8	pattern	City id = \$cityId Tag id in \$tagIds	id ← \$personId firstName ← \$personFirstName lastName ← \$lastName gender ← \$gender birthday ← \$birthday creationDate ← \$creationDate {workFrom ← \$workAt[j].workFrom}		University id = \$studyAt[i].universityId Company id = \$workAt[j].companyId	
	desc.	Add a Person node, conne	ected to the networ	rk by 4 possible <i>edge</i> types.		
	params	1 personId 2 personFirstName 3 personLastName 4 gender 5 birthday 6 creationDate 7 locationIP 8 browserUsed 9 cityId 10 languages 11 emails 12 tagIds 13 studyAt 14 workAt	{ <id 32-hit<="" td=""><td><pre><universityid, classyear="">} <companyid, workfrom="">}</companyid,></universityid,></pre></td><td></td></id>	<pre><universityid, classyear="">} <companyid, workfrom="">}</companyid,></universityid,></pre>		
	CPs	9.1, 9.2				

Interactive / insert / 2

INS 1	query	Interactive / insert / 2			
INS 2	title	Add like to post			
INS 3		likes Doot			
INS 4	pattern	reson (creationDate ← \$creationDate)			
INS 5		id = \$personId			
INS 6	desc.	Add a likes <i>edge</i> to a Post.			
INS 7					
INS 8		1 personId ID			
	params	2 postId ID			
		3 creationDate DateTime			
	CPs	9.2			

INS 1	query	Interactive / insert / 3				
INS 2	title	Add like to comment				
INS 3		likes				
INS 4	pattern	Person (creationDate ← \$creationDate) Comment				
INS 5		id = \$personId				
INS 6	desc.	Add a likes <i>edge</i> to a Comment.				
INS 7						
INS 8		1 personId ID				
	params	2 commentId ID				
		3 creationDate DateTime				
	CPs	9.2				

Interactive / insert / 4



INS 1	query	Interactive / insert / 5				
INS 2	title	Add forum membership				
INS 3		hasMember				
INS 4	pattern	Person rasivember Forum creationDate ← \$creationDate)				
INS 5		id = \$personId				
INS 6	desc.	Add a Forum membership <i>edge</i> (hasMember) to a Person.				
INS 7						
INS 8		1 personId ID				
	params	2 forumId ID				
		3 creationDate DateTime				
	CPs	9.1, 9.2				

Interactive / insert / 6

INS 1
INS 2
INS 3
INS 4
INS 5
INS 6
INS 7
INS 8

query	Interactive / insert / 6			
title	Add post			
pattern	Person id = \$authorPersonId Forum id = \$forumId	— containerOf — — >	Post id ← \$postId imageFile ← \$imageFile creationDate ← \$creationDate locationIP ← \$locationIP browserUsed ← \$browserUsed language ← \$language content ← \$content length ← \$length	isLocatedIn Country id = \$countryId Tag id in \$tagIds
desc.	Add a Post <i>node</i> to the isLocatedIn, hasTag).	social network c	onnected by 4 poss	sible edge types (hasCreator, containerOf,
	1 postId	ID		
	2 imageFile	String		
	3 creationDate	DateTime		
	4 locationIP	String		
	5 browserUsed	String		
	6 language	String		
params	7 content	Text		
	8 length	32-bit Integer		
	9 authorPersonId	ID		
	10 forumId	ID		
	11 countryId	ID		
	12 tagIds	{ID}		
CPs	9.1, 9.2			

INS 1	query	Interactive / insert / 7				
INS 2	title	Add comment				
INS 3		Person	-hasCreator-			
INS 5		id = \$authorPersonId		<u> </u>		
INS 6		Post	—replyOf—	Comment	isLocatedIn —	Country
INS 7	pattern	id = \$replyToPostId	cre	– \$commentId ationDate ← \$creationDate	•	id = \$countryId
INS 8		Comment	replyOfbro	ationIP ← \$locationIP wserUsed ← \$browserUsed htent ← \$content	hasTag	Tag
		id = \$replyToCommentId		gth ← \$length	••	id in \$taglds
	desc. Add a Comment <i>node</i> replying to a Post/Comment, connected to the network types (replyOf, hasCreator, isLocatedIn, hasTag).		ork by 4 possible edge			
		1 commentId	ID			
	params	2 creationDate	DateTime			
		3 locationIP	String			
		4 browserUsed	String			
		5 content	Text			
		6 length	32-bit Integer			
		7 authorPersonId	ID			
		8 countryId	ID			
		9 replyToPostId	ID	−1 if the Comm	ent is a reply of	a Comment
		10 replyToCommentId	ID	−1 if the Comm	ent is a reply of	a Post
		11 tagIds	{ID}			

Interactive / insert / 8

CPs

9.1, 9.2

INS 1	query	Interactive / insert / 8
INS 2	title	Add friendship
INS 3		krowe
INS 4	pattern	Person knows (creationDate) Person
INS 5		id = \$person2Id
INS 6	desc.	Add a friendship <i>edge</i> (knows) between two Persons.
INS 7		
INS 8		1 person1Id ID
	params	2 person2Id ID
		3 creationDate DateTime
	CPs	9.2