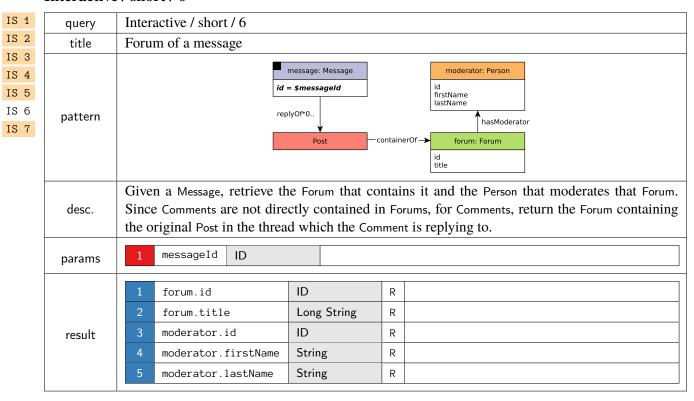
IS 1	query	Interactive / short / 1		
IS 2	title	Profile of a person		
IS 3				
IS 4		person: Person city: City		
IS 5		id = \$personId —isLocatedIn → id		
IS 6	pattern	firstName lastName		
IS 7		birthday locationIP browserUsed		
		gender creationDate		
	desc.	Given a start Person, retrieve their first name, last name, birthday, IP address, browser, and city		
	ucse.	of residence.		
		1 personId D		
	params	personia ID		
	result	1 person.firstName String R		
		2 person.lastName String R		
		3 person.birthday Date R		
		4 person.locationIP String R		
		5 person.browserUsed String R		
		6 city.id ID R		
		7 person.gender String R		
		8 person.creationDate DateTime R		

=	Thieractive / Short / 2			
IS 1	query	Interactive / short / 2		
IS 2	title	Recent messages of a person		
IS 3 IS 4 IS 5 IS 6 IS 7	pattern	person: Person id = \$personId id content / imageFile creationDate replyOf*0 originalPoster: Person id firstName lastName		
	desc.	Given a start Person, retrieve the last 10 Messages created by that user. For each Message, return that Message, the original Post in its conversation (post), and the author of that Post (originalPoster). If any of the Messages is a Post, then the original Post (post) will be the same Message, i.e. that Message will appear twice in that result.		
	params	1 personId ID		
	result	1 message.id ID R message.content or 2 message.imageFile (for Text R photos) 3 message.creationDate DateTime R 4 post.id ID R 5 originalPoster.id ID R 6 originalPoster.firstName String R 7 originalPoster.lastName String R		
	sort	1 message.creationDate ↓ 2 message.id ↓		

IS 1	query	Interactive / short / 3		
IS 2	title	Friends of a person		
IS 3				
IS 4		person: Person knows friend: Person creationDate		
IS 5	pattern	id = \$personId id firstName		
IS 6		lastName		
IS 7	desc.	Given a start Person, retrieve all of their friends, and the date at which they became friends.		
	params	1 personId ID		
		1 friend.id ID R		
	result	2 friend.firstName String R		
		3 friend.lastName String R		
		4 knows.creationDate DateTime R		
	sort	1 knows.creationDate ↓ 2 friend.id ↑		

IS 1	query	Interactive / short / 4			
IS 2	title	Content of a message			
IS 3 IS 4 IS 5 IS 6	pattern	message: Message id = \$messageld creationDate content / imageFile			
IS 7	desc.	Given a Message, retrieve its content and creation date.			
	params	1 messageId ID			
		1 message.creationDate			
	result	message.content or message.imageFile (for photos) R messageContent			

IS 1	query	Interactive / short / 5			
IS 2	title	Creator of a message			
IS 3		-		1	
IS 4			message: Message	hasCreator ->	<u> </u>
IS 5	pattern		id = \$messageId		id firstName
IS 6					lastName
IS 7	desc.	Given a Message, retrieve its author.			
	params	1 messageId D			
	result	1 person.id 2 person.firstName 3 person.lastName	ID String String	R R	



IS 1	query	Interactive / short / 7			
IS 2	title	Replies of a message			
IS 3 IS 4 IS 5 IS 6 IS 7	pattern	message: Message id = \$messageId replyOf comment: Comment id content creationDate messageAuthor: Person id firstName lastName			
	desc.	Given a Message, retrieve the (1-hop) Comments that reply to it. In addition, return a boolean flag knows indicating if the author of the reply (replyAuthor) knows the author of the original message (messageAuthor). If author is same as original author, return False for knows flag.			
	params	1 messageId ID			
	result	1 comment.id ID R 2 comment.content Text R 3 comment.creationDate DateTime R 4 replyAuthor.id ID R 5 replyAuthor.firstName String R 6 replyAuthor.lastName String R 7 knows Boolean C C True if the knows edge exists between the replyAuthor and the messageAuthor nodes, False otherwise (including the case when the two nodes are the same)			
	sort	1 comment.creationDate ↓ 2 replyAuthor.id ↑			