

ENTITY	ATTRIBUTE/RELATION	DATATYPE/RANGE	TYPE	MIN	MAX	VALUES	GENERATION METHOD	CORRELATED WITH	REFERENCE	STATUS
Person										
	id	int	unique	1	1		sequential			stable
	creationDate	dateTime	attribute	1	1	startYear - endYear	random			to review
	firstName	string	attribute	1	1	dictionary		Person.IsLocatedIn		stable
	lastName	string	attribute	1	1	dictionary		Person.IsLocatedIn		stable
	gender	string	attribute	1	1	male/female (50%)	random			stable
	birthday	date	attribute	1	1	1980-1990	random			stable
	email	string	attribute	1	N		top+random		F13	stable
	speaks	string	attribute	1	N	languages				stable
	browserUsed	string	attribute	1	1	Chrome, IE, Firefox				stable
	locationIP	string	attribute	1	1					stable
	isLocatedIn	City	directed relation	1	1					stable
	studyAt	University	directed relation	0	N		University ranking	Person.IsLocatedIn	F3	stable
	workAt	Company	directed relation	0	N			Person.IsLocatedIn	F10	stable
	hasInterest	Tag	directed relation	1	N		Singer's popularity	Person.IsLocatedIn	F5,F7	to review
	likes	Post	directed relation	0	N			Person.IsLocatedIn	F14	to review
	knows	Person	relation	0	N		power-law		F1	to review
	follows	Person	directed relation	?	?					unresolved
Forum										
	id	int	unique	1	1	Person.id x 2	derivation		F4	stable
	title	string	attribute	1	1					stable
	creationDate	dateTime	attribute	1	1					stable
	hasModerator	Person	directed relation	1	1					stable
	hasTag	Tag	directed relation	1	N					to review
	hasMember	Person	directed relation	1	N					to review
	containerOf	Post	directed relation	1	N					to review
Post										
	id	int	unique	1	1		sequential			stable
	creationDate	dateTime	attribute	1	1					stable
	browserUsed	string	attribute	0	1	Chrome, IE, Firefox				stable

	locationIP	string	attribute	1	1					to review
	content	string	attribute	0	1					stable
	language	string	attribute	0	1	standard languages				stable
	imageFile	string	attribute	0	1	"photoXXX.jpg"				stable
	hasCreator	Person	directed relation	1	1					to review
	isLocatedIn	Country	directed relation	0	1					to review
	hasTag	Tag	directed relation	1	N					to review
	retweet	Post	directed relation	?	?					unresolved
Comment										
	id	int	unique	1	1		sequential			stable
	creationDate	dateTime	attribute	1	1					stable
	browserUsed	string	attribute	0	1	Chrono, IE, Firefox				stable
	locationIP	string	attribute	1	1					to review
	content	string	attribute	1	1					stable
	hasCreator	Person	directed relation	1	1					to review
	isLocatedIn	Country	directed relation	0	1			Person.isLocatedIn		to review
	replyOf	Post	directed relation	0	1					to review
	replyOf	Comment	directed relation	0	1					to review
Organisation										
	id	int	unique	1	1					stable
	name	string	attribute	1	1	dictionary				stable
University	subClassOf	Organization								stable
	isLocatedIn	City	directed relation	1	1					stable
Company	subClassOf	Organization								stable
	isLocatedIn	Country	directed relation	1	1					stable
Tag									F5	
	id	int	unique	1	1					stable
	name	string	attribute	1	1	dictionary				stable
	hasType	TagClass	attribute	1	N					stable
TagClass										
	id	int	unique	1	1					stable

	name	string	attribute							stable
	subClassOf	TagClass	directed relation							stable
Place										
	id	int	unique	1	1					stable
	name	string	attribute	1	1	dictionary				stable
City	subClassOf	Place								stable
	isPartOf	Country	directed relation	1	1	dictionary				stable
Country	subClassOf	Place								stable
	isPartOf	Continent	directed relation	1	1	dictionary				stable
Continent	subClassOf	Place								stable

RELATION	DOMAIN	RANGE	ATTRIBUTE	DATA TYPE	MIN	MAX	GENERATION MODE	CORRELATION	REFERENCE
hasMember	Forum	Person	joinDate	dateTime	1	1			
workAt	Person	Organization	workFrom	int	1	1			
studyAt	Person	Organization	classYear	int	1	1			
like	Person	Post	creationDate	dateTime	1	1			