Artifacts — Must have date? — created by — User

People — Events — Comment — append

Must have name

Use date-created for time-line date

Must have email

Maybe I will normalize the family relations

Only store 1 level close family relations

Assume family relations does not change of often

Relationship between artifacts and people arbitary text

Does event have to have a date?

To extract comments of a specific artifact just run
- collections("Comments").where("reference","==","artifact-XXX-id")
A flat structure allows us do text search on all comments with ease

Users

amanda
username	amanda
reference	"People/amanda-gilbert"
password	XDF(23*)4038
email	amanda@gmail.com

liam
username	liam
reference	"People/liam-gilbert"
password	FD34FD3408
email	liam@gmail.com

admin
username	admin
reference	<Null>
password	FD34FD3408
email	liam@gmail.com

People

amanda-gilbert
name	Amanda
lastname	Gilbert
dob	01/01/1991
details	"education, jobs, hobbies"
relations	{ parents : { 1 : { name : "Liam Gilbert" reference : "People/liam-gilbert" } 2 : { name : "Sarah Gilbert" reference : "People/sarah-gilbert" } } siblings : { 1 : { name : "Sam Gilbert" reference : "People/sam-gilbert" } } }
artifacts-link	

sam-gilbert
name	Sam
lastname	Gilbert
dob	<Null>
details	<Null>
relations	{ parents : { 1 : { name : "Liam Gilbert" reference : "People/liam-gilbert" } 2 : { name : "Sarah Gilbert" reference : "People/sarah-gilbert" } } siblings : { 1 : { name : "Amanda Gilbert" reference : "People/amanda-gilbert" } } }
events-link	

liam-gilbert
name	Liam
lastname	Gilbert
dob	<Null>
details	<Null>
relations	{ married: { 1 : { name : "Sarah Gilbert" reference : "People/sarah-gilbert" } } children: { 1 : { name : "Amanda Gilbert" reference : "People/amanda-gilbert" } 2 : { name : "Sam Gilbert" reference : "People/sam-gilbert" } } }
events-link	
artifacts-link	

sarah-gilbert
name	Sarah
lastname	Gilbert
dob	<Null>
details	<Null>
relations	{ married: { 1 : { name : "Liam Gilbert" reference : "People/liam-gilbert" } } children: { 1 : { name : "Amanda Gilbert" reference : "People/amanda-gilbert" } 2 : { name : "Sam Gilbert" reference : "People/sam-gilbert" } } }
events-link	
artifacts-link	

melanie-gilbert
name	Melanie
lastname	Gilbert
dob	<Null>
dod	01/01/1970
details	Great crafts women
relations	{ children: { 1 : { name : "Liam Gilbert" reference : "People/liam-gilbert" } } }
events-link	
artifacts-link	

Artifacts

random-photos
name	radom photos found
details	test without linking to people or event
date-created	<auto-date>
created-by	amanda
multimedia	{ 1 : { type: photo name : a-top-skyscraper url : https://bit.ly/2LUJZR } }
people-link	

family-crest-drawing
name	family crest drawing
details	only link to 1 event (making crest)
data-created	<auto-date>
multimedia	{ 1 : { type: photo name: family-crest-1 url : https://bit.ly/2L7AVJB } }
events-link	

family-crest-monument
name	test without linking to people
details	no link to people link to 2 event
data-created	<auto-date>
multimedia	{ 1 : { type: photo name: family-crest-2 url : https://bit.ly/324GaHY } }
events-link	

wedding ring
name	wedding ring
details	test link two two wedding events
data-created	<auto-date>
created-by	liam (username)
multimedia	
people-link	
event-link	

vase
name	faily vase
details	test with comments
data-created	<auto-date>
created-by	liam (username)
multimedia	{ 1 : { type: photo name: vase url : } }
people-link	

Events

making-crest
name	How crest was made
details	test link to two artifacts
date	01/01/1980
data-created	<auto-date>
created-by	amanda (username)
multimedia	{ 1 : { type: video name: sculping the crest url : https://bit.ly/2ZhArh } }
people-link	
artifact-link	

moving-in
name	moving in to the current family house
details	
date	01/01/1985
data-created	<auto-date>
created-by	liam (username)
multimedia	
people-link	
artifact-link	

wedding-sarah
name	sarah and liam got married
details	test link to multiple people link to 1 artifact
date	01/01/1983
data-created	<auto-date>
created-by	liam (username)
multimedia	
people-link	
artifact-link	

wedding-melanie
name	melanie got married
details	
date	01/01/1952
data-created	<auto-date>
created-by	liam (username)
multimedia	
people-link	
artifact-link	

Comments

vase-comment
name	vase broken
details	<Null>
data-created	<auto-date>
date	10/02/2018
created-by	amanda (username)
multimedia	{ 1 : { type: photo name: vase-image-2 url : } }
reference-link	

event-comment
name	test comment on event
details	
data-created	<auto-date>
created-by	amanda (username)
reference-link	