1/7: Introduction

Please do NOT print this document.
It is going to undergo a lot more revisions.
Please save paper! Thanks from Grant.

This document describes the Wayground object/data model(s). It reflects the currently intended direction for the design of the Wayground web system.

Legend

Thicker borders indicate “item” models — models that can be ‘displayed’ as web pages or in lists. Thinner borders indicate support, attribute and/or join models.
Models with solid borders are currently implemented (at least in part). Dashed borders indicate planned, but not yet coded classes.

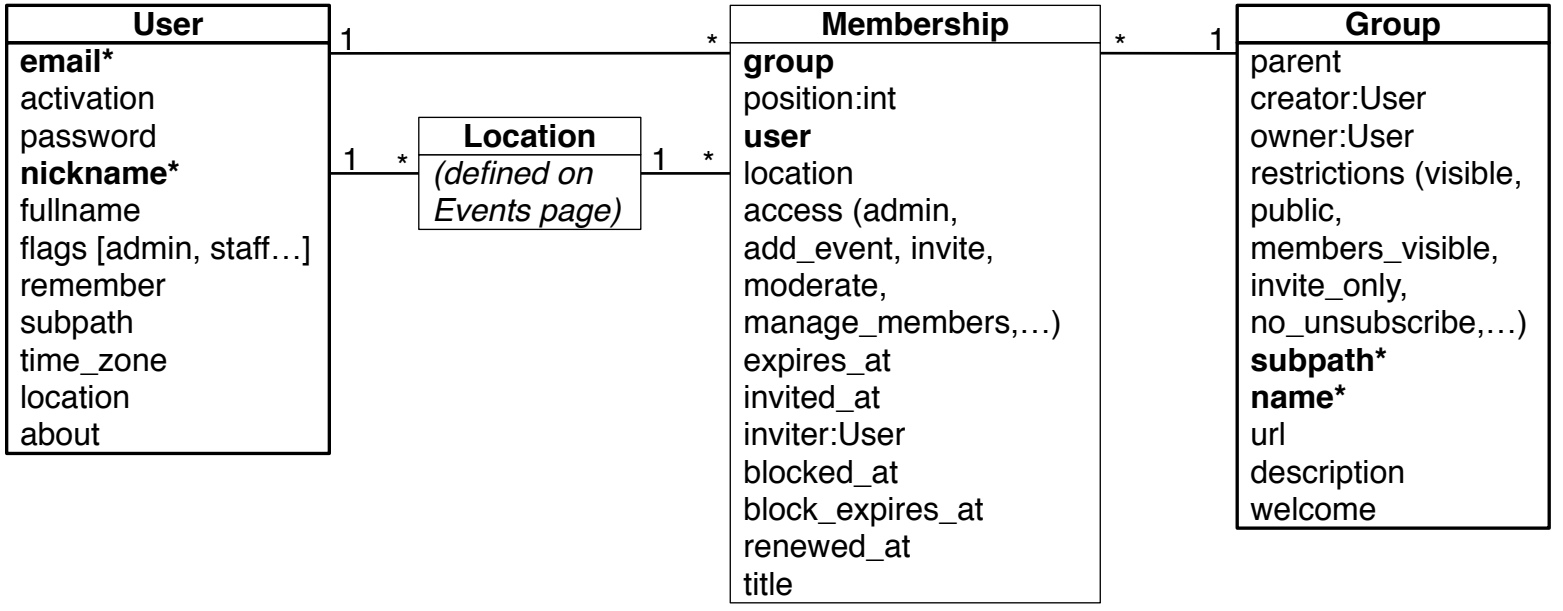
Bold attributes indicate unique restriction.
You can not have more than one object of the class with a given value(s) for that attribute(s).
An ‘*’ indicates that the attribute is individually unique.

Revision History

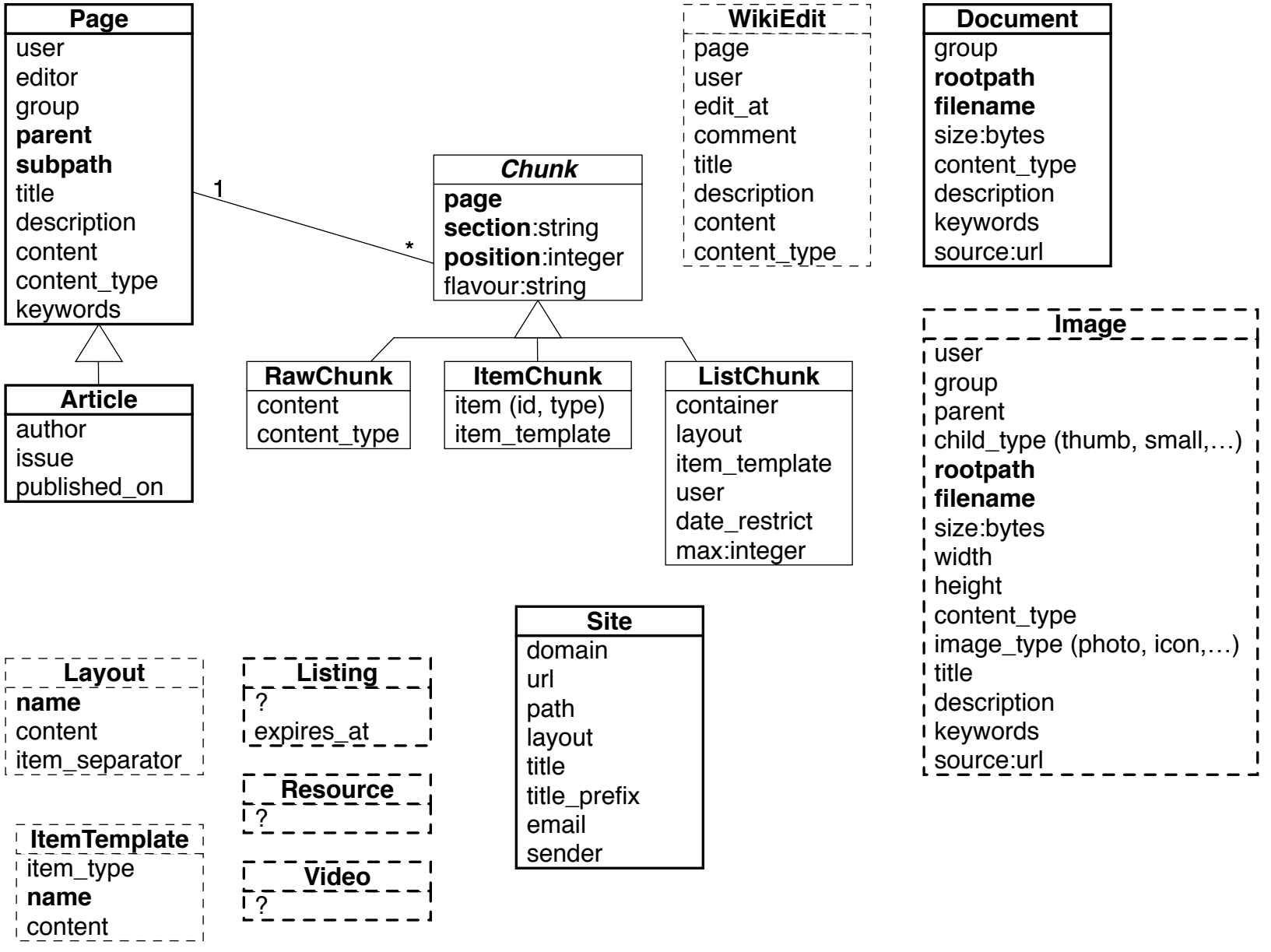
2009-01-21 First work on updating this since June.
- Reordered pages to give lower priority to Messaging and higher priority to Items.
- Changed formatting to used dashed lines to indicated stuff that hasn’t been coded yet.
- Updated many of the models to reflect the attributes and relationships actually implemented in the coded versions.
- Dropped Contact model (Users, Groups).
- Added QuickLink model and descriptions (Item Attributes).
- A number of changes to the models in the Items section.
- Defined relationships between the models in the Events section.

2008-06-22

2/7: Users, Groups, Contacts



3/7: Items


Page
user
editor
group
parent
subpath
title
description
content
content_type
keywords
1
*
Chunk
page
section:string
position:integer
flavour:string
WikiEdit
page
user
edit_at
comment
title
description
content
content_type
Document
group
rootpath
filename
size:bytes
content_type
description
keywords
source:url
Image
user
group
parent
child_type (thumb, small,…)
rootpath
filename
size:bytes
width
height
content_type
image_type (photo, icon,…)
title
description
keywords
source:url
Article
author
issue
published_on
RawChunk
content
content_type
ItemChunk
item (id, type)
item_template
ListChunk
container
layout
item_template
user
date_restrict
max:integer
Site
domain
url
path
layout
title
title_prefix
email
sender
Layout
name
content
item_separator
Listing
?
expires_at
Resource
?
Video
?
ItemTemplate
item_type
name
content

4/7: Item Attributes

Item attributes can be linked to most item types.

Access
The Access and Membership models may end up being the same class, or sharing a parent class. Rsvp might be part of that too. All 3 of those models join Users to Items.

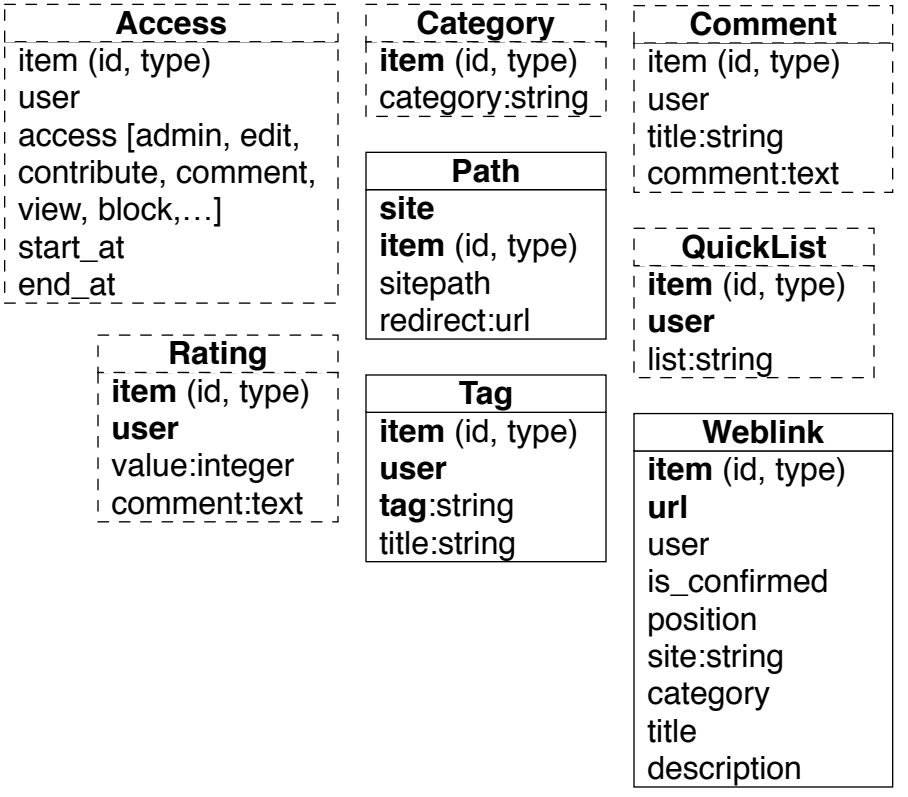
Category
Probably drop this in favour of Tag.

Comment & Rating
might be the same, or share a common class.

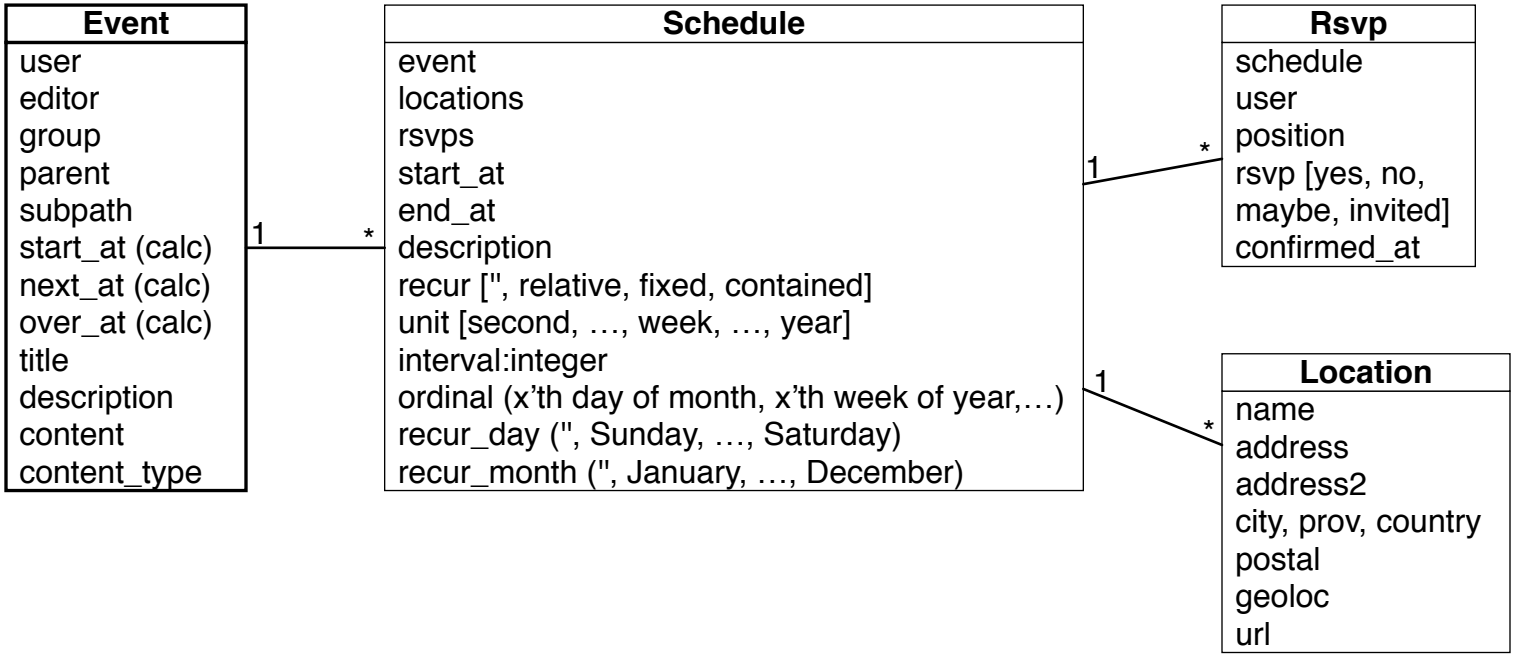
Path
Used to define custom urls for items, and redirect urls.

Tag
“Folksonomy”.

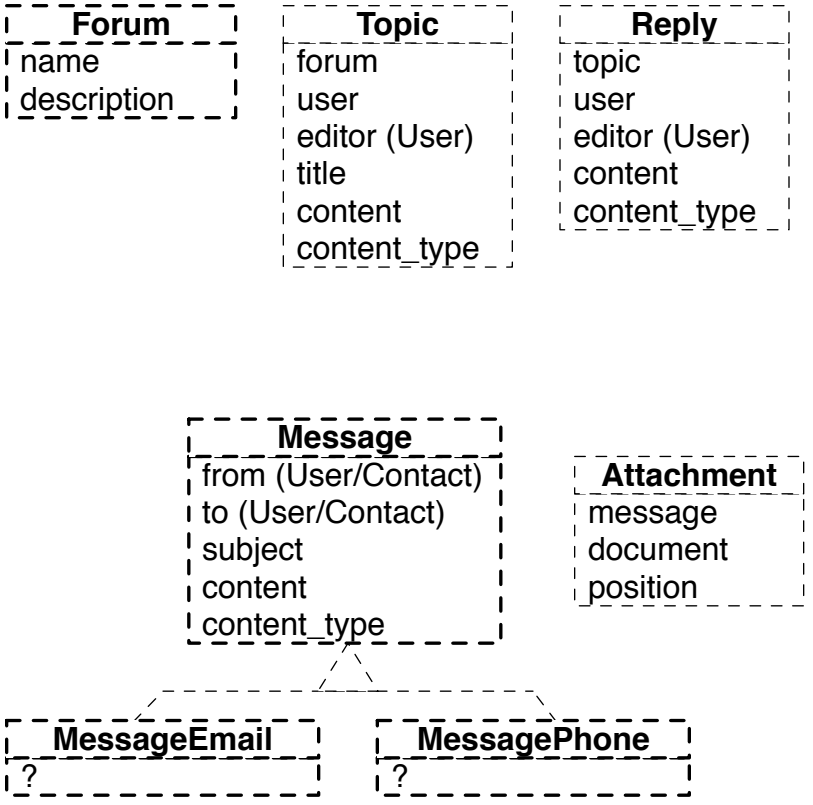
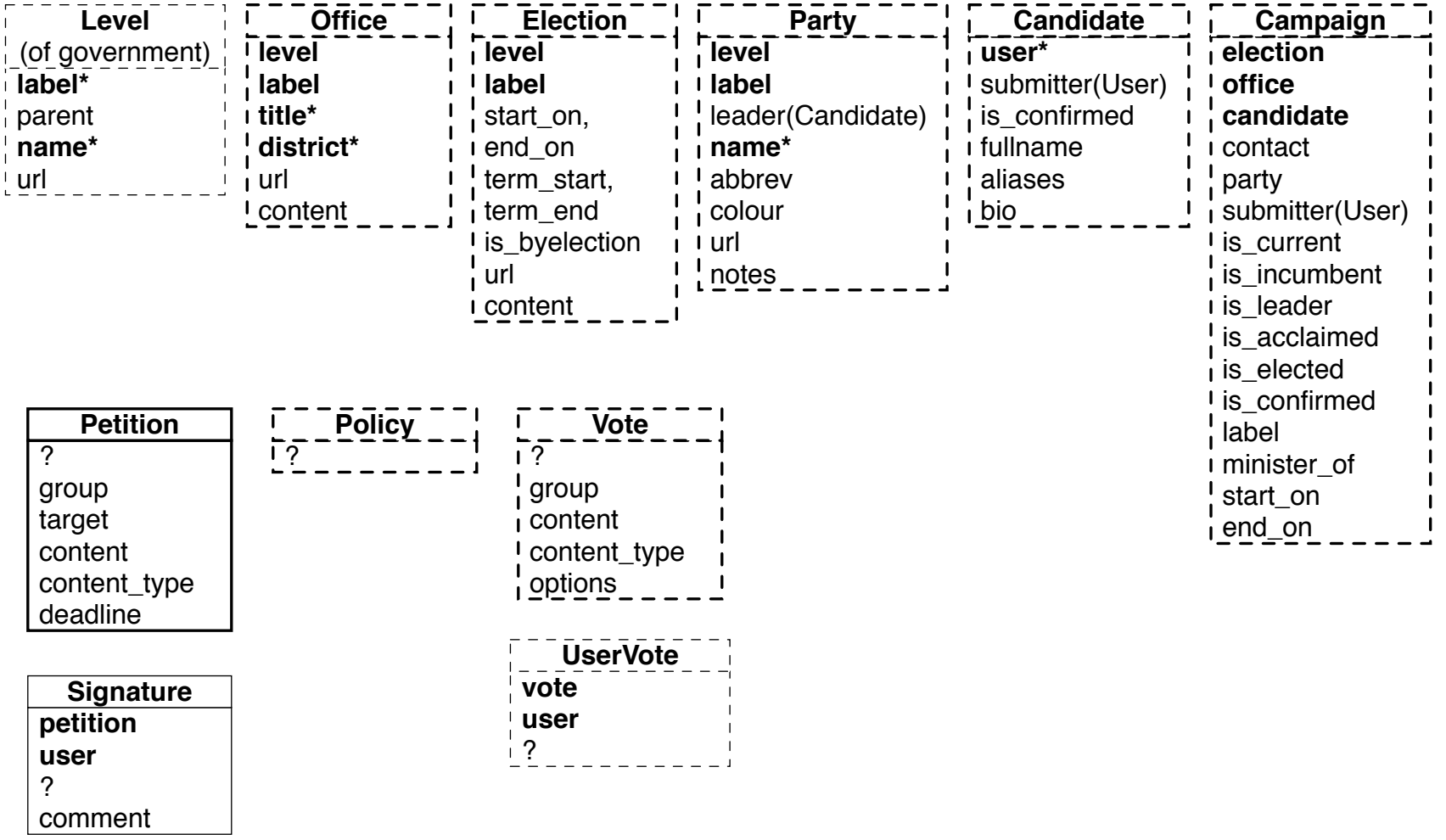
QuickList
For user’s to add items to a “quick list” for review or batch actions.



5/7: Events


Event
user
editor
group
parent
subpath
start_at (calc)
next_at (calc)
over_at (calc)
title
description
content
content_type
1
*
Schedule
event
locations
rsvps
start_at
end_at
description
recur ['', relative, fixed, contained]
unit [second, …, week, …, year]
interval:integer
ordinal (x'th day of month, x'th week of year,…)
recur_day ('', Sunday, …, Saturday)
recur_month ('', January, …, December)
1
*
Rsvp
schedule
user
position
rsvp [yes, no, maybe, invited]
confirmed_at
1
*
Location
name
address
address2
city, prov, country
postal
geoloc
url

6/7: Messaging



7/7: Democracy & Politics