



Wayground Object Model

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

2009-03-15

- “Contactable” interface defined for CRM and Messaging classes.

2009-02-?

- Added Note model in Item Attributes section.
- Fixed some of the relationship lines to indicate optional links. (? instead of 1).

2009-02-03

- Rearranged and renamed some of the sections.
- Added Resource Library section and models.
- Rearranged Messaging models; added Attachment model; renamed EmailMessage and PhoneMessage; added attributes; added descriptive text.
- Rearranged Item Attributes models; added List model, dropped Category model.
- Cleaned up all layouts; added footer; added some pretty icons (same ones I’m using on my sites).

2009-01-22

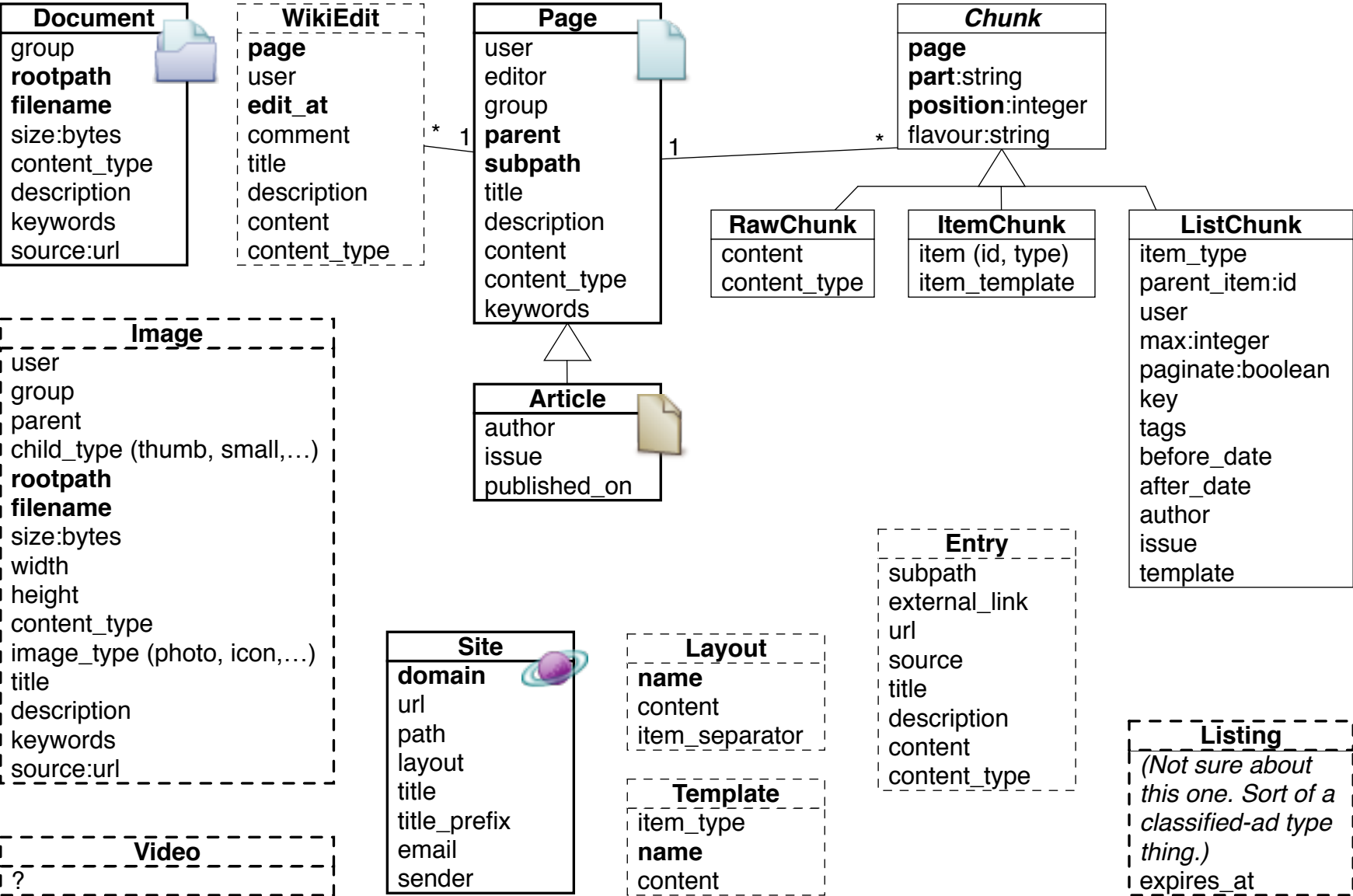
- Brought User, Location, ListChunk models in line with current code.
- Added Friend, GroupSubgroup, ExternalLink and EventGroup models.
- Moved Location model details to Users... section.
- Added is_interested attribute to Rsvps model.

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



3/8: 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.

Comment & Rating

These might end up being the same class, or share a common parent.

ExternalLink

Defines a relationship between a Wayground item and an external resource. E.g., an Event might have ExternalLinks to event listings on sites like Craigslist Facebook, Meetup, Upcoming, etc. Might function as a sub-class of Weblink.

List & ListItem

For user’s to gather arbitrary lists of items for review, sharing or batch actions.

Note

Arbitrary text attached to any item.

Path

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

Tag

“Folksonomy”.

Weblink

An url that is listed for, or associated with, an item.

List
user
title
is_public

Listitem
item (id, type)
user
title:string

Access
item (id, type)
user
access
[admin, edit, contribute, comment, view, block,...]
start_at
end_at

Path
site
item (id, type)
sitepath
redirect:url

Weblink
item (id, type)
url
user
is_confirmed
position
site:string
category
title
description

ExternalLink
item (id, type)
url
site:string

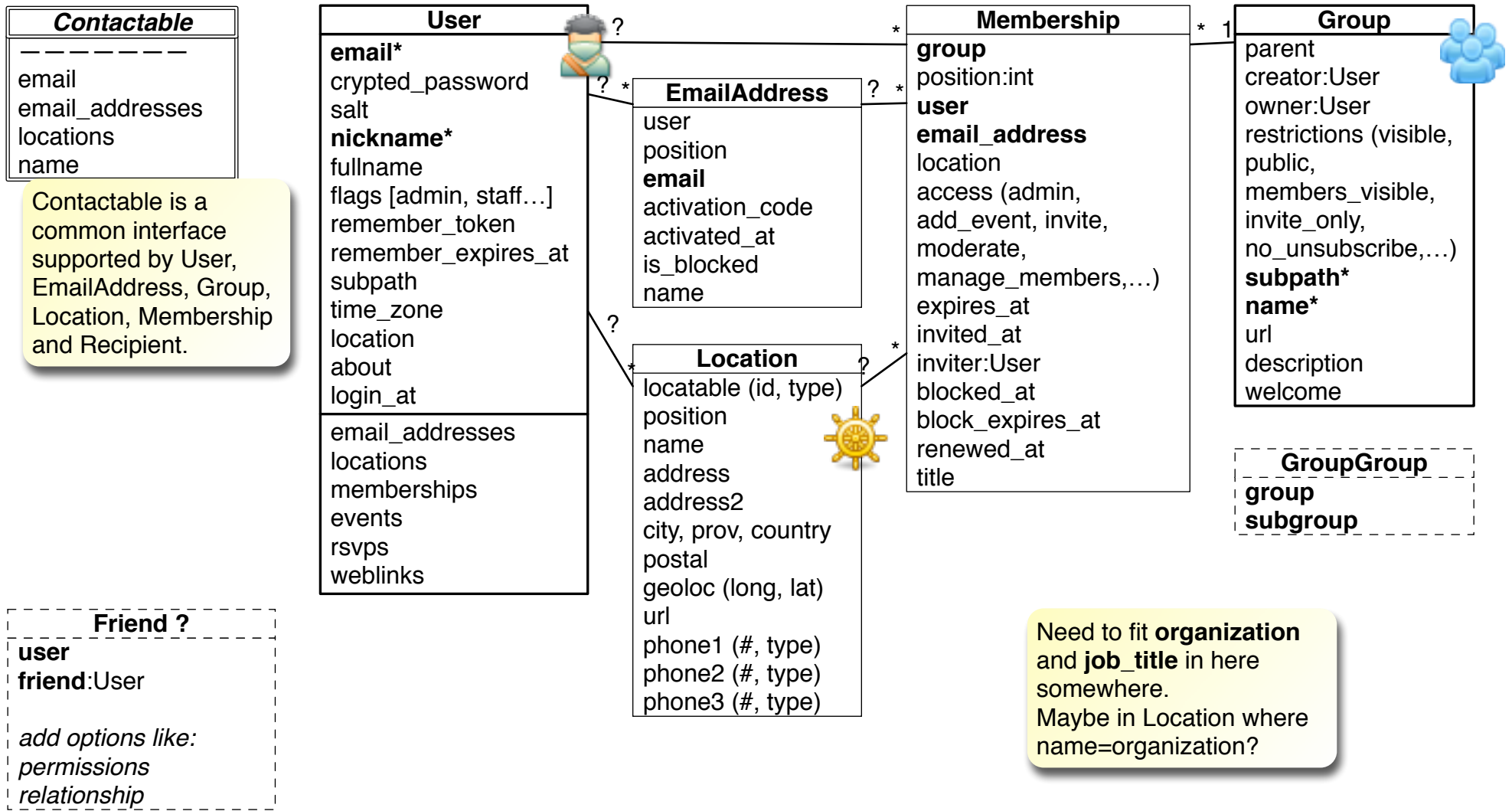
Tag
item (id, type)
user
tag:string
title:string

Note
item (id, type)
user
editor
content

Comment
item (id, type)
user
title:string
comment:text

Rating
item (id, type)
user
value:integer
comment:text

4/8: CRM: Contact Relation Management



5/8: Messaging

EmailMessage

A message sent by email to one or more Recipients. Can be associated with an item (such as a Group, Event, ...)

PhoneMessage

A message recorded by one User for another.

Recipient

Links a contact (User) to an EmailMessage, specifying the name and email ("To:") that was used.

Attachment

Links a Document to an EmailMessage.

Forum

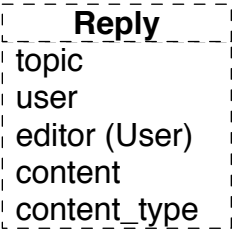
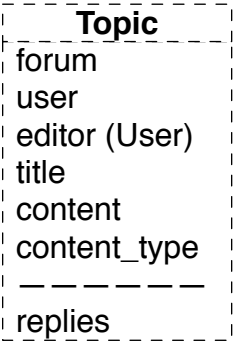
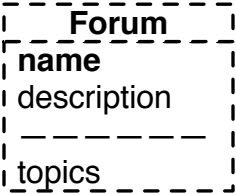
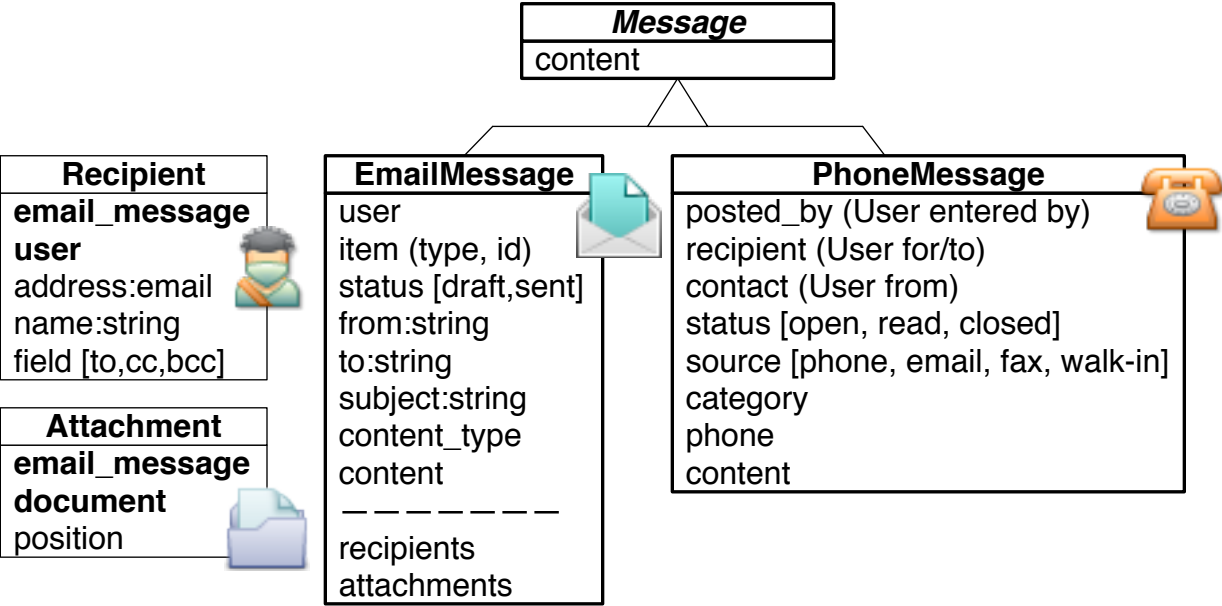
A discussion/message board.

Topic

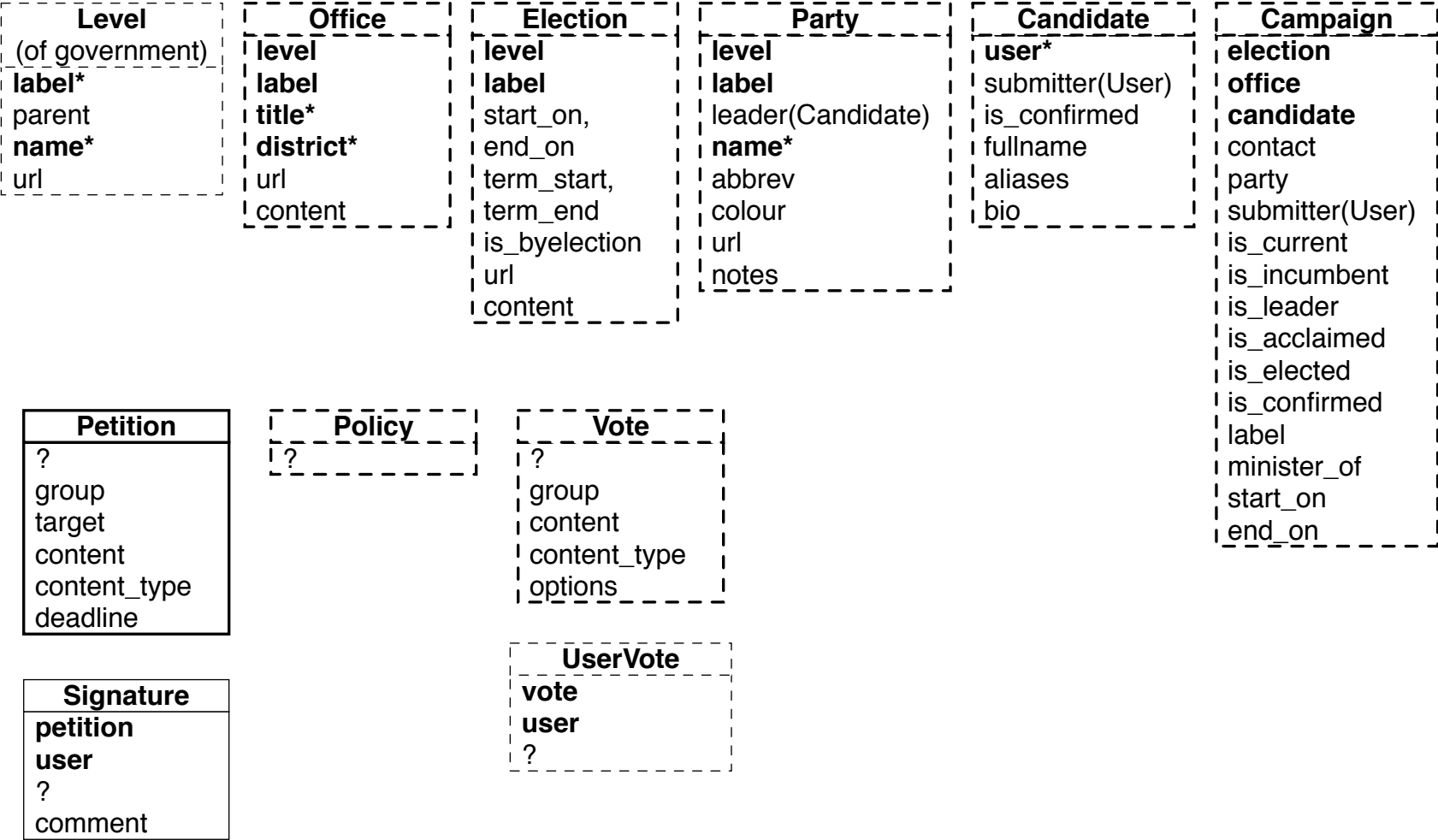
The first message in a discussion thread in a Forum.

Reply

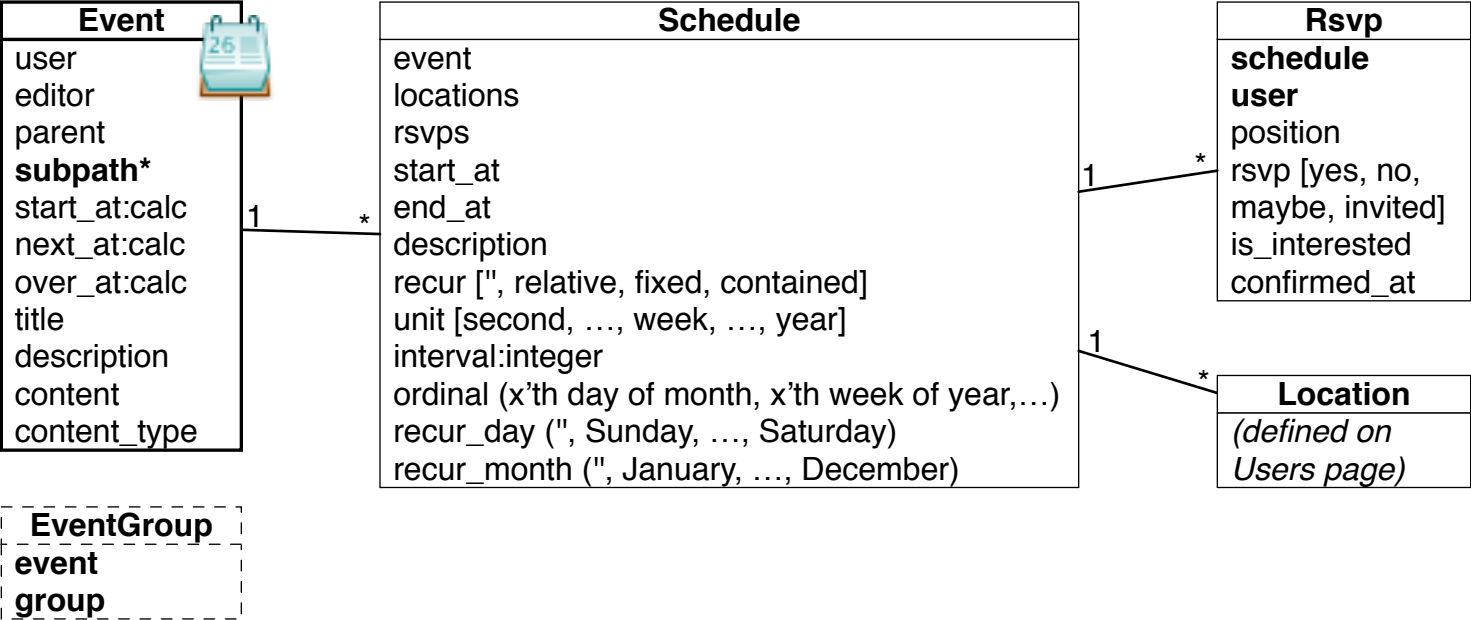
A follow-up message in a Topic in a Forum.



6/8: Democracy & Politics



7/8: Events



Resource

An abstract class representing a “borrowable” resource.

VideoResource

An abstract sub-class of Resource, representing borrowable video materials.

Loan (Checkout)

An instance of a resource being borrowed.

