1/8: Introduction

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.

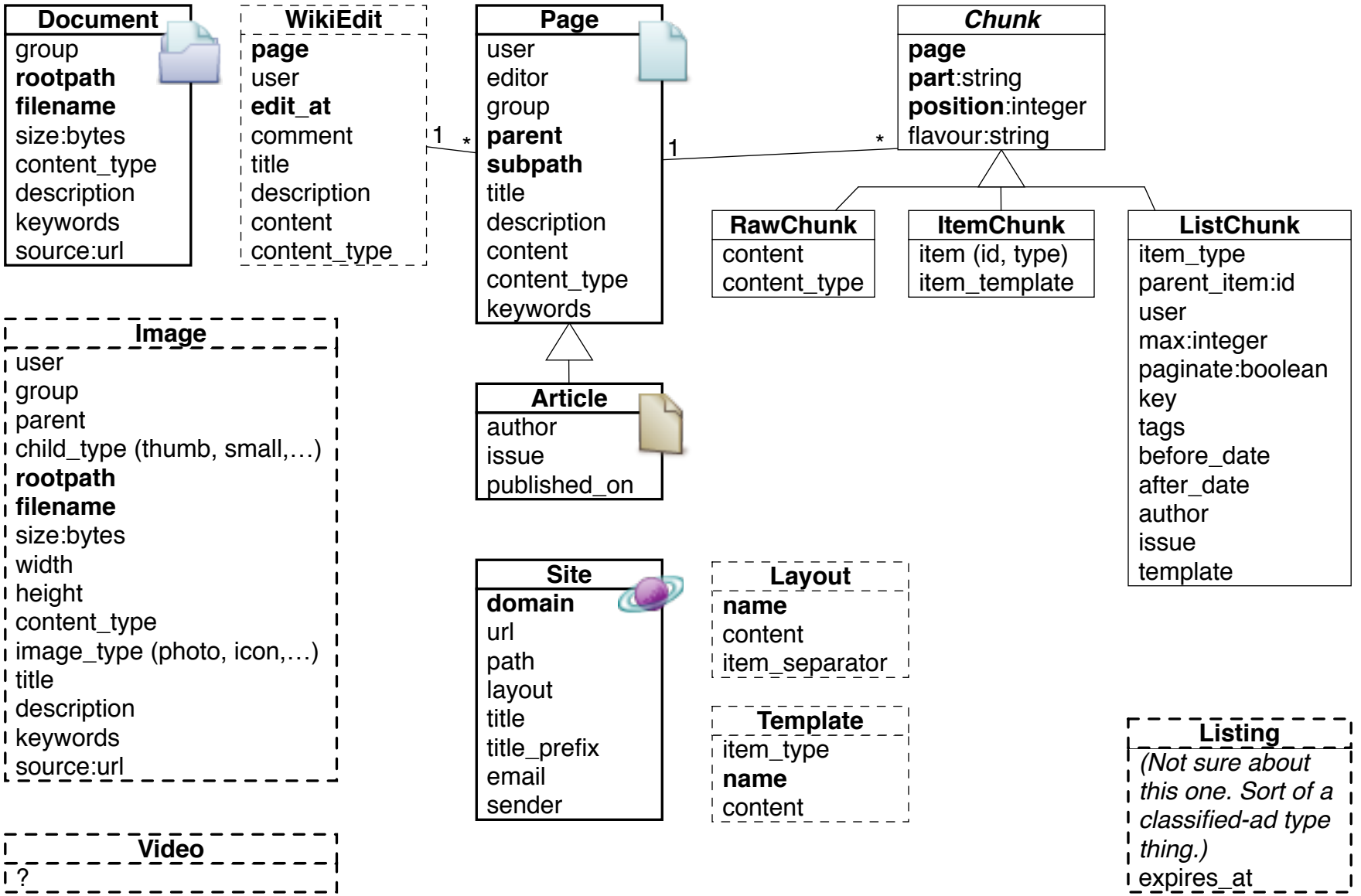
Revision History
2009-02-03
- Rearranged and renamed some of the sections.
- Added Resource Library section and models.
- Rearranged Messaging models; added Attachment model; renamed EmailMessage and PhoneMessage; added attributes; added descriptive text.
- Rearranged Item Attributes models; added List 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

2/8: CMS: Content Management System



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.

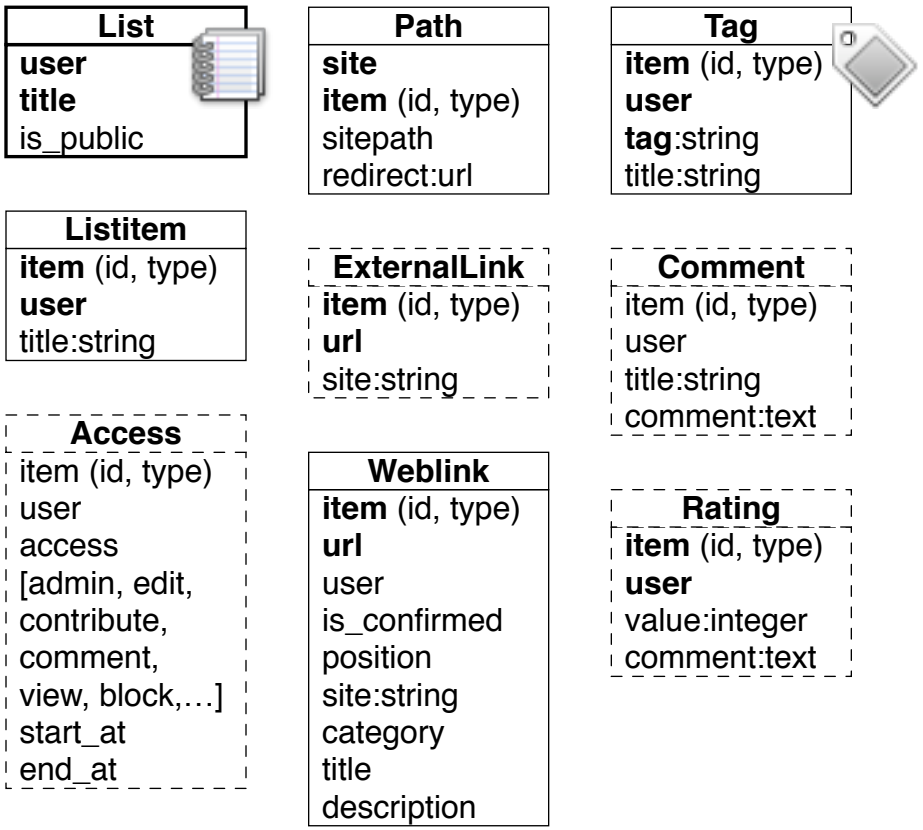
ExternalLink
Defines a relationship between a Wayground item and an external resource. E.g., an Event might have ExternalLinks to event listings on sites like CraigsList Facebook, Meetup, Upcoming, etc. Might function as a sub-class of Weblink.

List & **ListItem**
For user's to gather arbitrary lists of items for review, sharing or batch actions.

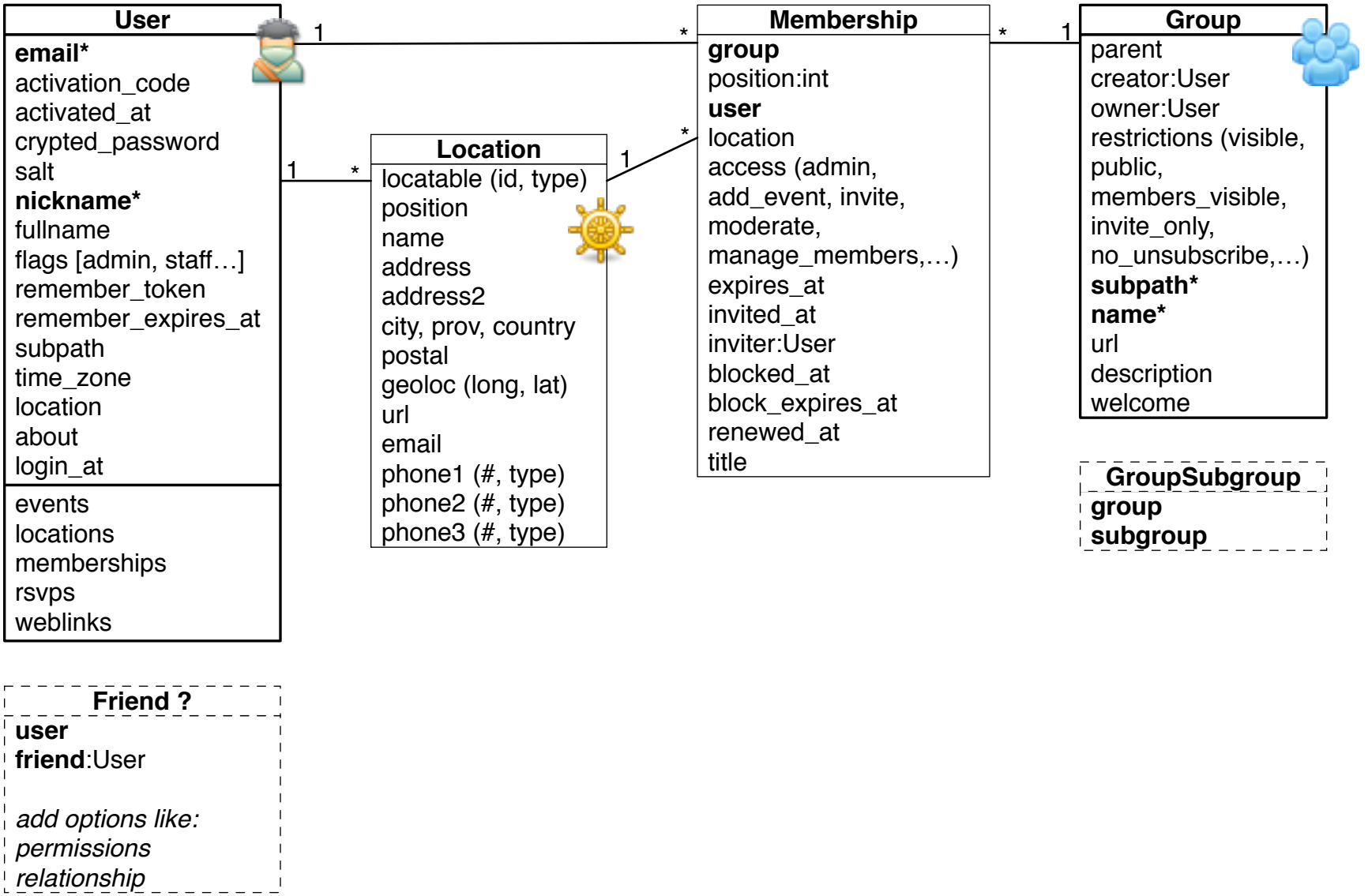
Path
Used to define custom urls for items, and redirect urls.

Tag
"Folksonomy".

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



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.

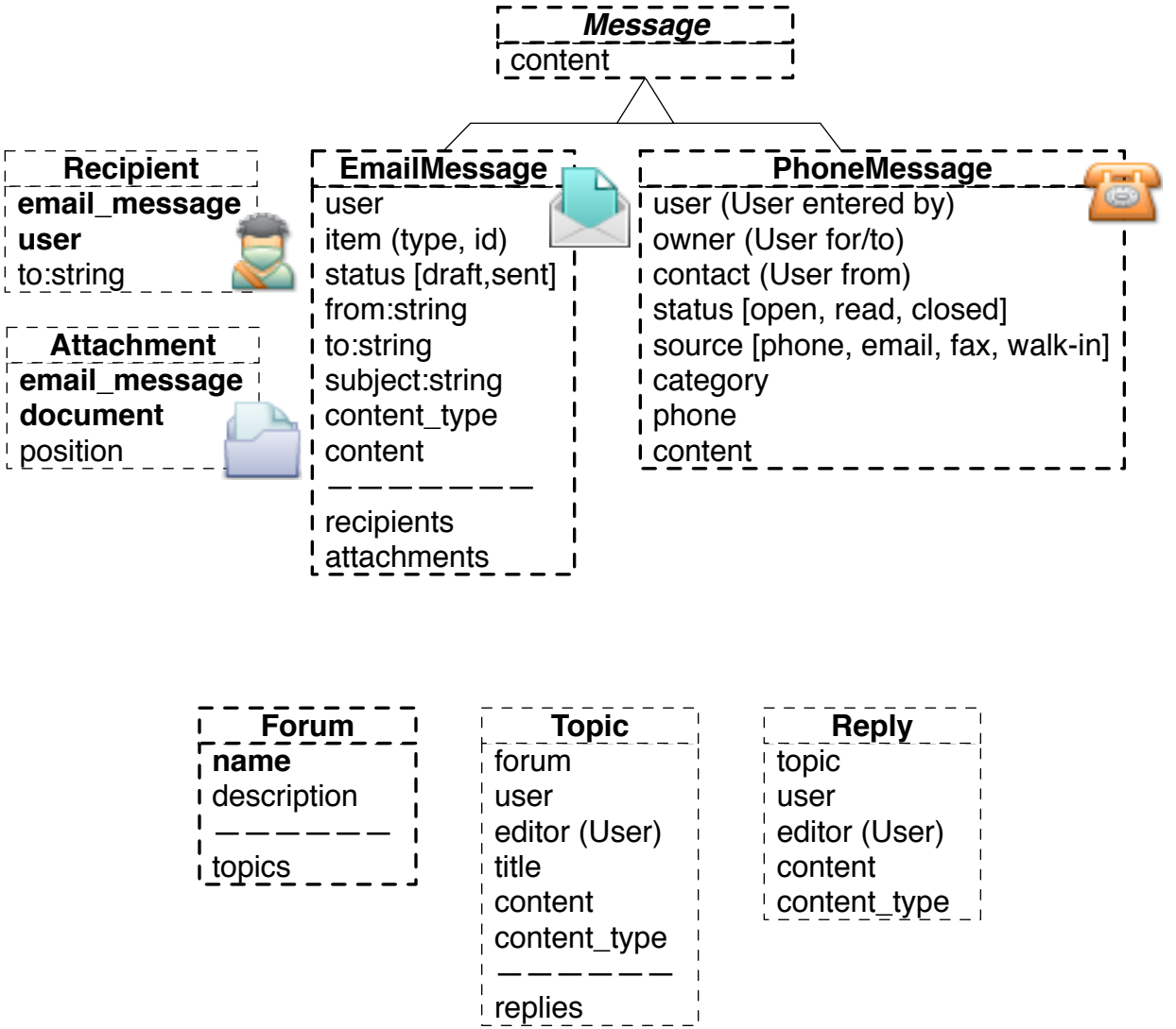
Recipient
Links a contact (User) to an EmailMessage, specifying the name and email (“To:”) that was used.

Attachment
Links a Document to an EmailMessage.

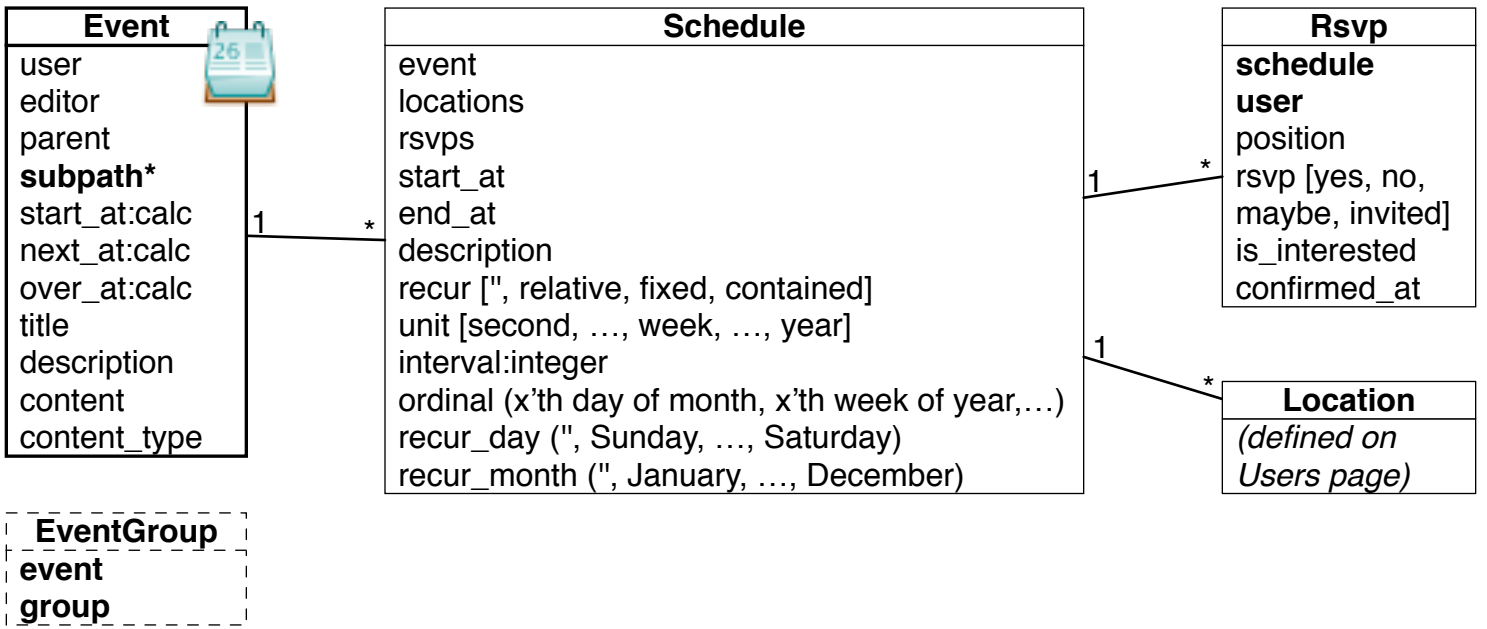
Forum
A discussion/message board.

Topic
The first message in a discussion thread in a Forum.

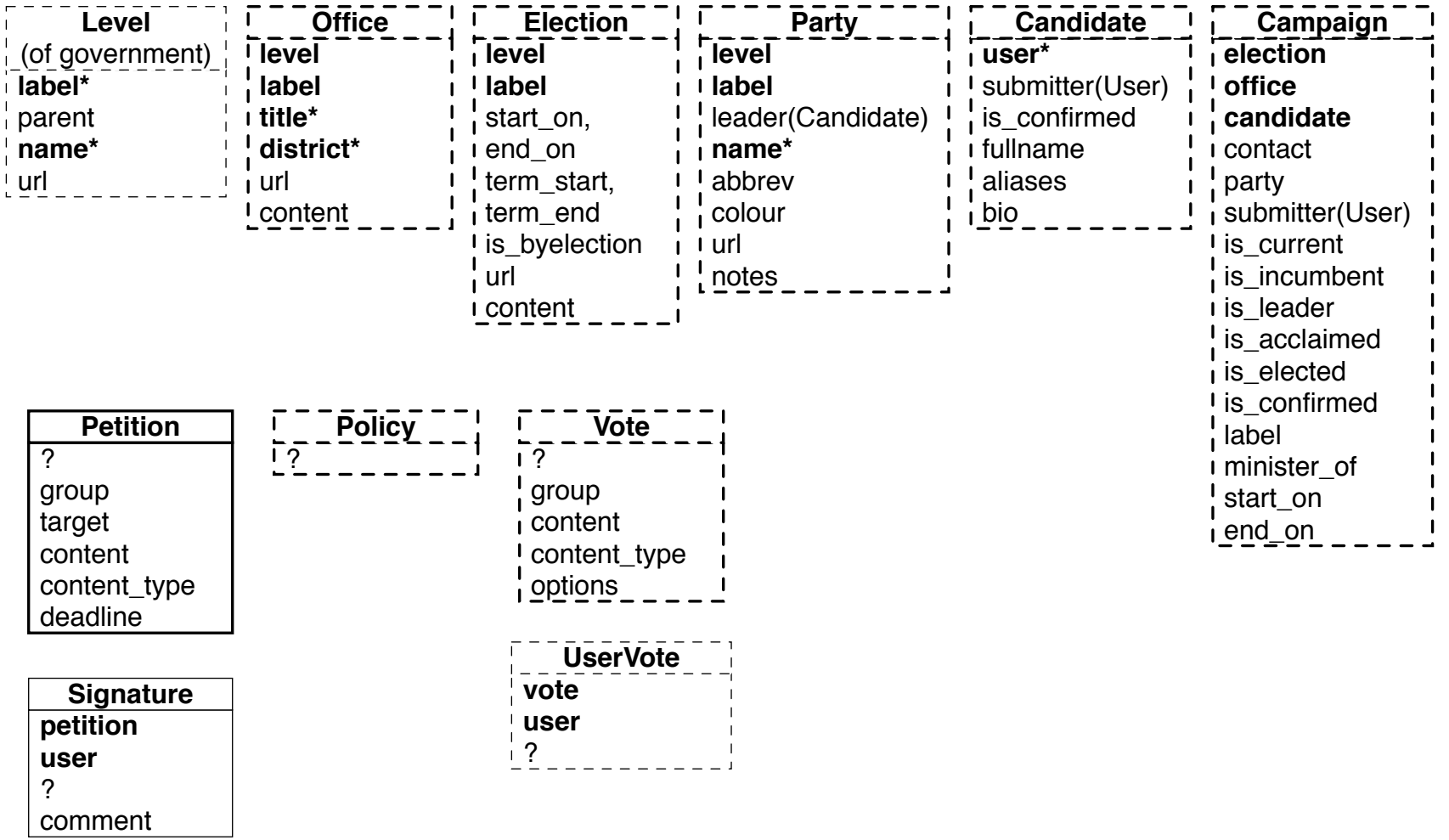
Reply
A follow-up message in a Topic in a Forum.



6/8: Events

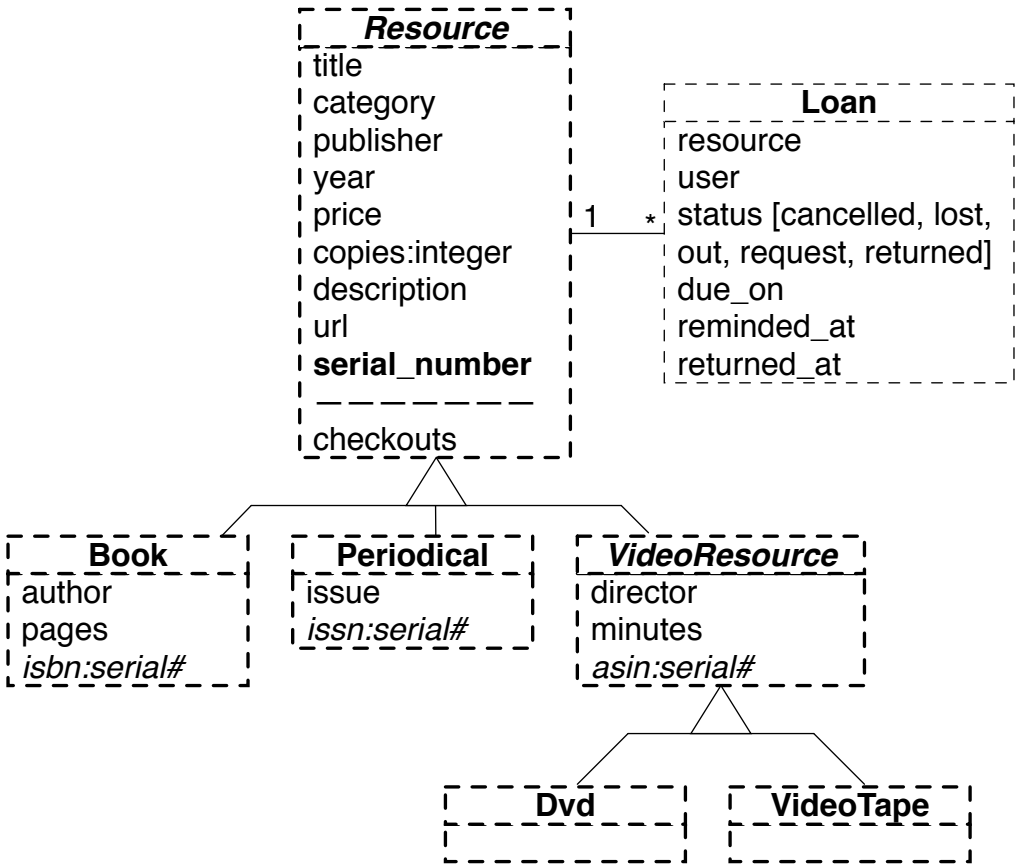

Event
user
editor
parent
subpath*
start_at:calc
next_at:calc
over_at:calc
title
description
content
content_type
1
*
Schedule
event
locations
rsvps
start_at
end_at
description
recur ['', relative, fixed, contained]
unit [second, …, week, …, year]
interval:integer
ordinal (x'th day of month, x'th week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

7/8: Democracy & Politics



8/8: Resource Library

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.