

GiftGarden Architecture Design Document

Nov 1 2016 - Version 1.2 - Add Gift CSV sample file, Trash table

Oct 26, 2016 - Version 1.1 - Added attributes/fields to model tables, changed generate commands to match

Oct 12, 2016 - Version 1.0 - Confirmed data tables, fix named routes table

Oct 11, 2016 - Version 0.2 - Added formatting; additional donor address fields

Oct 4, 2016 - Version 0.1 - Initial document

This document clarifies the data model for the GiftGarden program. We will update with additional data fields and routes as necessary.

Data Tables - Activity

Activity	
*id	integer
name	string
start_date	datetime
end_date	datetime
goal	float
description	text
notes	text
activity_type	integer (for enum)
*created_at	datetime
*updated_at	datetime

```
$ rails generate model Activity name:string start_date:datetime end_date:datetime goal:float description:text notes:text activity_type:integer
```

Notes:

- *Add recurring activities?
- type is enum - so add list of types and enum definition to Activity model

Data Tables - Donor

Donor	
*id	integer
first_name	string
last_name	string
title	string
nickname	string
address	string
address2	string
city	string
state	string
zip	integer
country	string
phone	string
email	string
notes	text
donor_type	integer (for enum)
*created_at	datetime
*updated_at	datetime

\$ rails generate model Donor first_name:string last_name:string title:string nickname:string address:string address2:string city:string state:string zip:integer country:string phone:string email:string notes:text donor_type:integer

Notes:

- *Add related donors?
- *Only 1 relation right now, how to fix...?
- type is enum - so add list of types and enum definition to Donor model

Data Tables - Gift

Gift	
*id	integer
donor_id	integer
activity_id	integer
pledge	float
amount	float
gift_type	integer (for enum)
check_number	integer
check_date	datetime
anonymous	boolean
memorial_note	text
solicited_by	string
notes	text
gift_user	string
gift_source	string
*created_at	datetime
*updated_at	datetime

\$ rails generate model Gift donor:references activity:references pledge:float amount:float gift_type:integer check_number:integer check_date:datetime anonymous:boolean memorial_note:text solicited_by:string notes:text gift_user:string gift_source:string

Notes:

- *Need belongs_to: donor, belongs_to: activity (*these are created by the generate command)
- type is enum - so add list of types and enum definition to Gift model

Data Tables - Trash

Trash	
*id	integer
trash_type	string
content	string
*created_at	datetime
*updated_at	datetime

\$ rails generate model Trash trash_type:string content:string

Notes:

- Store deleted gifts, donors, and activities

Data Tables - User

User	
*id	integer
email	string
password_digest	string
username	string
permission_level	integer
super_admin	boolean
*created_at	datetime
*updated_at	datetime

```
$ rails generate model User email:string password_digest:string username:string  
permission_level:integer super_admin:boolean
```

Notes:

- *Add users and authentication in sprint #2
- *Only admins can change/reset passwords for users, and only admins perform “human” account activations

Named Routes

Screen Name (From UX Document)	Action	Path	URL
Login.1 The first screen for user log in. But if user has already logged in, redirect to /home		root_url	/
Home.1			/home
New.1 New Gifts	new	new_gift_path	/gifts/new
Gift.1 Surf Gifts	index	gifts_path	/gifts
Gift.2 New Gift	new	new_gift_path	/gifts/new
Gift.3 Show Gift details	show	gift_path(gift)	/gifts/<GiftID>
Gift.3 Edit Gift	edit	edit_gift_path(gift)	/gifts/<GiftID>/edit
Activity.1 Surf Activities	index	activities_path	/activities
Activity.2 New Activity	new	new_activity_path	/activities/new
Activity.3 Show Activity details	show	activity_path(activity)	/activities/<ActivityID>
Activity.3 Edit Activity	edit	edit_activity_path(activity)	/activities/<ActivityID>/edit
Donors.1 Surf Donors	index	donors_path	/donors
Donors.2 New Donor	new	new_donor_path	/donors/new

Donors.3 Show Donor details	show	donor_path(donor)	/donors/<DonorID>
Donors.3 Edit Donor	edit	edit_donor_path(donor)	/donors/<DonorID>/edit
Hyper.1 Display results of hyper surf			/search-results
Reports.1 List all report styles			/reports
Imp/Exp.1 Import or Export			/imp-ex
About.1			/about
Help.1			/help
Account.1			/account
Settings.1			/settings

Gift CSV Sample

Donor					Gift					
donor_id	first_name	last_name	phone	email	gift_type	amount	donation_date	check_number	gift_user	gift_source

Optional columns for donor:

Title, nickname, address, address2, city, state, country, zip, notes

Optional columns for gift:

Pledge, anonymous, solicited_by, gift_user, gift_source, memorial_note, notes