



Everything here is pretty much a straight one-to-one mapping. The only trick is that you need to create the related objects before you can call the new ones. So, if you were to create an Address, for example, you would need to create a Building object if it did not already exist. That is:

```
a = Address.new(:label => "home",
               :unit_designation => "apt",
               :unit_number => "1-b",
               :building => Building.find_or_create(args),
               :customer => Customer.find(me) )
```

which is simple enough, I guess. By and large, the fields in the form correspond 1-1 with some attribute of either Customer (which has the same relationship with User that Address has with Building). The only way to really inform yourself would be to look at the data backend of the models, so here goes:

```
mysql> DESCRIBE addresses;
```

Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI	NONE	auto_increment
label	varchar(20)	YES			
building_id	int(11)	YES			
customer_id	int(11)	YES			
unit_designation	varchar(12)	YES			
unit_number	varchar(8)	YES			

6 rows in set (0.02 sec)

```
mysql> DESCRIBE buildings;
```

Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI	NONE	auto_increment
addr1	varchar(255)	YES			
addr2	varchar(255)	YES			
city	varchar(255)	YES			
state	varchar(255)	YES			
zip	varchar(9)	YES			
doorman	tinyint(1)	YES			
schedule_id	int(11)	YES			
served	tinyint(1)	YES			

9 rows in set (0.01 sec)

Once both objects are instantiated, you can reach one through the other. (ie, customer.addr1 is set to point to the instance's building's addr1 attribute). I will try to simplify the creation so this caveat need not be kept in mind, but for now it is a necessity.

```
mysql> DESCRIBE customers;
```

Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI	NONE	auto_increment
title	varchar(255)	YES			
company	varchar(255)	YES			
sex	varchar(1)	YES			
dob	date	YES			
primary_address_id	int(11)	YES			
work	varchar(10)	YES			
home	varchar(10)	YES			
cell	varchar(10)	YES			
active	tinyint(1)	YES			
accepted_terms	tinyint(1)	YES			
points	int(11)	YES			
dc_starch	varchar(255)	YES			
dc_press	varchar(255)	YES			
permanent_tags	tinyint(1)	YES			
day_before_email	tinyint(1)	YES			
day_before_sms	tinyint(1)	YES			
day_of_email	tinyint(1)	YES			
preferred_contact	varchar(255)	YES			
doorman_permission	tinyint(1)	YES			
my_fresh_water	tinyint(1)	YES			
my_fresh_air	tinyint(1)	YES			
wants_updates	tinyint(1)	YES			
wants_promotions	tinyint(1)	YES			
email_format	varchar(255)	YES			
wants_minor_repairs	tinyint(1)	YES			

16 rows in set (0.01 sec)

```
mysql> DESCRIBE customer_preferences;
```

Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI	NONE	auto_increment
customer_id	int(11)	YES			
wf_temperature	varchar(255)	YES			
wf_fabric_softener	tinyint(1)	YES			
wf_bleach	tinyint(1)	YES			
ls_starch	varchar(255)	YES			
ls_press	varchar(255)	YES			
ls_packaging	varchar(255)	YES			
dc_starch	varchar(255)	YES			
dc_press	varchar(255)	YES			
permanent_tags	tinyint(1)	YES			
day_before_email	tinyint(1)	YES			
day_before_sms	tinyint(1)	YES			
day_of_email	tinyint(1)	YES			
preferred_contact	varchar(255)	YES			
doorman_permission	tinyint(1)	YES			
my_fresh_water	tinyint(1)	YES			
my_fresh_air	tinyint(1)	YES			
wants_updates	tinyint(1)	YES			
wants_promotions	tinyint(1)	YES			
email_format	varchar(255)	YES			
wants_minor_repairs	tinyint(1)	YES			

23 rows in set (0.02 sec)

```
mysql> DESCRIBE buildings;
```

Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI	NONE	auto_increment
first_name	varchar(255)	YES			
last_name	varchar(255)	YES			
login	varchar(255)	YES			
email	varchar(255)	YES			
remember_token	varchar(255)	YES			
maiden	varchar(255)	YES			
crypt_password	varchar(40)	YES			
salt	varchar(40)	YES			
created_at	datetime	YES			
updated_at	datetime	YES			
remember_token_expires_at	datetime	YES			
user_class	varchar(20)	YES			
account_id	int(11)	YES			
account_type	varchar(255)	YES			
referrer	int(11)	YES			

16 rows in set (0.02 sec)

Lastly, we have the customer preferences.

```
mysql> DESCRIBE customer_preferences;
```

Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI	NONE	auto_increment
customer_id	int(11)	YES			
wf_temperature	varchar(255)	YES			
wf_fabric_softener	tinyint(1)	YES			
wf_bleach	tinyint(1)	YES			
ls_starch	varchar(255)	YES			
ls_press	varchar(255)	YES			
ls_packaging	varchar(255)	YES			
dc_starch	varchar(255)	YES			
dc_press	varchar(255)	YES			
permanent_tags	tinyint(1)	YES			
day_before_email	tinyint(1)	YES			
day_before_sms	tinyint(1)	YES			
day_of_email	tinyint(1)	YES			
preferred_contact	varchar(255)	YES			
doorman_permission	tinyint(1)	YES			
my_fresh_water	tinyint(1)	YES			
my_fresh_air	tinyint(1)	YES			
wants_updates	tinyint(1)	YES			
wants_promotions	tinyint(1)	YES			
email_format	varchar(255)	YES			
wants_minor_repairs	tinyint(1)	YES			

23 rows in set (0.02 sec)

which should all be rather straightforward.

