

```
1 """
2 Definition of models.
3 """
4
5 from django.db import models
6 from django.contrib.auth.models import User
7
8 class Group(models.Model):
9     owner = models.ForeignKey(User, on_delete=models.CASCADE)
10    name = models.CharField(max_length=200)
11    gdriveid = models.CharField(max_length=200)
12    key = models.BinaryField()
13
14    def __unicode__(self):
15        return name
16
17    def getUsers(self):
18        users = Membership.objects.filter(group=self)
19        userList = []
20        for u in users:
21            user = User.objects.get(id=u.user_id)
22            if not user == self.owner:
23                userList.append(user)
24        return userList
25
26 class Membership(models.Model):
27     user = models.ForeignKey(User, on_delete=models.CASCADE)
28     group = models.ForeignKey(Group, on_delete=models.CASCADE)
29
30 class ProxyUser(User):
31
32     class Meta:
33         proxy = True
34         ordering = ('first_name', )
35
36     def getGroups(self):
37         groups = Membership.objects.filter(user=self)
38         groupList = []
39         for g in groups:
40             groupList.append(Group.objects.get(id=g.group_id))
41         return groupList
```