DJANGO STUFF

**Initial Setup**

1. create folder that contains project

2. python -m virtualenv myvenv

a. myvenv/bin/activate to activate it

3. django-admin.py startproject mysite . (mysite can be anything)

4. manage.py migreate

5. manage.py runserver

**Models**

Field types

1. IntegerField
2. FloatField
3. CharField

Setting primarykey

1. models.SomeField(primary\_key=True)

Setting ForeignKey [Many-to-one relationships](https://docs.djangoproject.com/en/1.11/topics/db/examples/many_to_one/)

1. models.ForeignKey(OtherModel, on\_delete=models.CASCADE)

Creating Models

Assume we have a model as follows



When we have that, we can do something as follows from the command line

person = Person(first\_name=’Joe’, middle\_name=’Chris’, last\_name=’Smith’, dob=’03/23/1987’, address=’124 Treeface str’)

person.save()

**Forms**

Settings choices for field value:

Choice = forms.ModelChoiceField(queryset=OtherModel.objects.filter(field=’value’))

[Choice documentation](https://docs.djangoproject.com/en/1.11/ref/models/fields/)

From inheritance

<https://stackoverflow.com/questions/10938521/subclassing-django-modelforms>

Creating Users

[Reference this stack overflow](https://stackoverflow.com/questions/11287485/taking-user-input-to-create-users-in-django?rq=1)

MIDDLE WEAR

<https://stackoverflow.com/questions/18322262/how-to-setup-custom-middleware-in-django>