Learning Django for B565 - projectGET

# Creating a project

django-admin.py startproject projectGET

# Starting the server

python manage.py runserver  
python manage.py runserver 8080  
python manage.py runserver 0.0.0.0:8000

# Using MySQL

export PATH=$PATH:/usr/local/mysql/bin  
sudo pip install MySQL-Python

# Using autossh for tunneling

Installed from [here](http://www.harding.motd.ca/autossh/).

# Syncing Django with DB

python manage.py syncdb

# Creating an app

python manage.py startapp polls

# Observe generated SQL

>>> [python manage.py sqlall polls](https://docs.djangoproject.com/en/1.5/ref/django-admin/#django-admin-sqlall)

# Setting up test environment

>>> from django.test.utils import setup\_test\_environment

>>> setup\_test\_environment()

>>> from django.test.client import Client

>>> response = client.get('/')

# Django Source files

python -c "

import sys

sys.path = sys.path[1:]

import django

print(django.\_\_path\_\_)”

# Models

# Model methods

Define custom methods on a model to add custom “row-level” functionality to your objects. Whereas Manager methods are intended to do “table-wide” things, model methods should act on a particular model instance.

# Manager methods

# Model Inheritance

Abstract base classes

Meta inheritance

Multi-table inheritance

# To read

Verbose field names

Properties

Proxy models

# QuerySet API

filter(\*\*kwargs)

exclude(\*\*kwargs)

By default, the manager class for all model classes is ‘Objects’