**\*\*\*\*\*\*\*\*\* Instructions**

# install visual studio 2015, try to create a python django project it will ask to install

python tools, create project as python 3.5 in virtual environment

# install posgres, use default settings for user, port, whatever password

# create musicschool db in postgres

# create project in visual studio Python > Web > Blank Django make a virtual env

for python 3.5

# settings.py in visual studio

DATABASES = {

'default': {

'ENGINE': 'django.db.backends.postgresql',

'NAME': 'musicschool',

'USER': 'postgres',

'PASSWORD': '1234',

#'HOST': '127.0.0.1',

#'PORT': '5432',

}

}

# add sites (just remove if there's some admin error)

INSTALLED\_APPS = [

# Add your apps here to enable them

'django.contrib.admin',

'django.contrib.auth',

'django.contrib.contenttypes',

'django.contrib.sessions',

'django.contrib.messages',

'django.contrib.staticfiles',

#'django.contrib.sites',

]

# open cmd (command line) navigate to virtual environment created by visual studio (env) Scripts folder e.g

C:\Users\owner\Documents\Visual Studio 2015\ifb299\musicschool\musicschool\env\Scripts. then type "activate"

# python manage.py createsuperuser, ignore psycog2 error

# pip install psycopg2

# create super user again will cause another authentication error, need to migrate,

type python manage.py migrate auth

# type python manage.py migrate

# python manage.py createsuperuser

user: owner

password: ifb299qut

# in urls.py, from django.conf.urls import include, url

# Uncomment the next two lines to enable the admin,

from django.contrib import admin

admin.autodiscover()

urlpatterns = [

# Examples:

# url(r'^$', musicschool.views.home, name='home'),

# url(r'^musicschool/', include('musicschool.musicschool.urls')),

# Uncomment the admin/doc line below to enable admin documentation:

# url(r'^admin/doc/', include('django.contrib.admindocs.urls')),

#Uncomment the next line to enable the admin:

url(r'^admin/', include(admin.site.urls)),

]

**\*\*\*\*\*\*\*\*\* dummy accounts (use to test)**

**Owner (super user)**

**ifb299qut**

**testdevelopmentuser1 (gmail)**

**lhb2a7L7m2hFjdLKLxYy**

teststudent1

jQiAWGEod2h5xqgcul2I

teststudent2

t90j5cbfrTYQP1JSvTXM

testteacher1

8eP8ykb2oteeOgGMYbGN

**\*\*\*\*\*\*\*\*\* Issues, bugs, TODO**

* began with migrating from 1.9 to 1.11, Initially followed Django documentation 1.9 without best practice. Migrating caused issues with bin files and settings.py
* previous django-registration module for 1.9 causes issues with migrations likely due to windows bin files and changes in django settings.
* Django is difficult difficult to revert in windows via git due to the bin files, regardless of ignore file as there are many dependencies
* Possible to re-allocate classes to single Apps i.e. Accounts/Users, Home, Contracts

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* //Instruments needs availability form
* //Teachers form needs separate implementation
* password reset via email

**\*\*\*\*\*\*\*\*\* object type mapping, multiple inheritance issues**

* Considering re-implementing accounts app implementing the User API to Students and Teachers
* data is persisted as a User record that adds an additional record as the Student based on the StudentID (Student inherits from User)
* currently data is not mapped correctly as (one to one); but data can be entered manually in the Students table via the admin API, likewise for Teachers and Instruments