**AcademicsVideo Web Application**

**Application Developer’s Guide**

**AcademicsVideo**

**2017**

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# Setting up the environment

## Install python and django

Run following commands in terminal:

* sudo apt-get update
* sudo apt-get install python3-pip

## Install DB PostgreSQL

Run following command in terminal:

* sudo apt-get install python3-dev libpq-dev postgresql postgresql-contrib

## Install Virtualenv

Run following command in terminal:

* sudo pip3 install virtualenv

## Install git

Run following command in terminal:

* sudo apt-get install git

# Setting up the database

## Clone repository

Run following command in terminal:

* git clone <https://github.com/NaGriS/AcademicsVideo.git>

Switch branch to develop, running following command in terminal:

* git checkout origin/develop

## Database creation

Run following script in repository directory:

* sudo -u postgres bash ./create\_database.sh

create\_database.sh – script in the Database folder in the repository

# Deployment of the app

## Activate videoprojectenv

Run following command in terminal:

* source webvideosharing/bin/activate

## Export paths

Run following command in terminal:

* export PYTHONPATH=~/webvideosharing/lib/Python3.4/site-packages

## Configurate manage.py

* In first line: #!~/webvideosharing python

## Configure database connection

Open the configuration file in the text editor settings.py project Django, located in the created child directory /{project\_name}/{site\_name}/settings.py. Find the section DATABASES = {}

. . .

DATABASES = {

'default': {

'ENGINE': 'django.db.backends.postgresql\_psycopg2',

'NAME': '{database\_name}',

'USER': 'superuser',

'PASSWORD': 'Password',

'HOST': 'localhost',

'PORT': '',

}

}

Save the changes and close the file.

Now Django is fully configured to interact with the database. Run following command to migrate the data to the database and test the server:

* python manage.py makemigrations
* python manage.py migrate

## Create an administrator account

Run following command:

* python manage.py createsuperuser

Specify a name, email address and password:

* “{user\_name}” , {e-mail}, “{password}”

## Run the server

Run following command:

* python manage.py runserver