Django Quickstart

For this class, many of the homeworks will concern creating and editing Django applications. Django (https://www.djangoproject.com/) is a popular web framework written in Python.

Installation

1. Install Python 2.7 or Python 3 if you haven't done so already.
2. Install Django 1.10. We recommend following the Django guide for installing with pip:
   https://docs.djangoproject.com/en/1.10/topics/install/#installing-an-official-release-with-pip

Creating a Django Project

Create a new Django project for Homework #3:

1. Connect to the directory in your class repository for Homework #3: `cd hw3`
2. Using the command prompt to create the project directory:
   a. `django-admin.py startproject webapps .`   Notice the dot
   The "." at the end of the line above causes the project to be create in the current directory.

Creating a Django Application

Create the calculator application in your project:
1. Run the following Django command to create a new application:
   `python manage.py startapp calculator`
2. Eventhough you're storing no data in the database, you'll need to create a database for some of Django's internal state with the following command:
   `python manage.py migrate`
3. Configure the the project using `webapps/settings.py`
   o Add `'calculator'` to the list of `INSTALLED_APPS`
4. Configure URL routes using `urls.py` file(s)
5. Create your templated views in `calculator/templates/calculator`
6. Put your static files in `calculator/static/calculator`
7. Create your actions in `calculator/views.py`
8. Test your solution (and fix the bugs :-)
   `python manage.py runserver`

Additional resources

See the class examples and the http://djangoproject.com website.