Django Web Server

# Commands: to exit server – Ctrl+C

1. Install:
   1. pip3 install Django
2. Create a Django project:
   1. Django-admin startproject <project\_name>
   2. A screenshot of a computer

      Description automatically generated with medium confidence
   3. manage.py – to be able to execute commands on the Django file
   4. setting.py – contains settings for the Django application
   5. urls.py – a table of contents for our application, which consists a number of different URLs or routes that can you can visit
3. Running web sever:
   1. python manage.py runserver
      1. goes and actually runs this web server
      2. Text

         Description automatically generated
   2. This is to contain multiple applications under one web server, typically one web application has multiple applications running – Like for google for example has google search, google images, google maps all different apps under one server.
4. Create app:
   1. Python manage.py startapp <app\_name>
   2. Creates a new directory with the app\_name
   3. views.py lets us describe what the user sees when they visit a particular route.
5. To install app into webserver:
   1. Go into the project\_name directory and into settings.py
   2. Scroll down to INSTALLED\_APPS[] and add ‘<app\_name>’
6. To edit the app:
   1. Go into views.py under the <app\_name> directory
   2. Look at – file link
   3. Then create urls.py under the same directory to specify when to use the views.py and edit the urls.py like this – file link
   4. Then do under the urls.py under the <project\_name> directory and edit it like this – file link
   5. Run the web server not the app
   6. Go into the web address and edit the link to contain /hello tag at the end
7. In case of TemplateDoesNotExsit at <app\_name> error:
   1. Go into views.py under the <project name> directory
   2. Then go into settings.py then find TEMPLATES[]
   3. Then do into DIRS:[] and add the path to the Template Dir like starting with r’<template\_dir>’
8. When using sessions run:
   1. python manage.py migrate