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Code Toolkit: Python
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mysite: how(dy) i made that sucker

HELLO WORLD

Using Python's Django, I made a very basic website detailing the event that housed my solo thesis performance this past Tuesday, December 4th at La Mama Experimental Theatre. The website includes a homepage with links to the location and time of the performance, an "about the performer" page, and a directory for any media (this is to be updated as the video recording is not out yet). First, I googled this tutorial:

<https://scotch.io/tutorials/build-your-first-python-and-django-application>

THE SET-UP

I started with what we learned in class: by creating a 'projects' folder onto my (cd) desktop using the 'mkdir' command on my terminal. I then made a folder within 'projects' titled 'hello'.

Within 'hello' is another folder I named 'mysite'. Once inside the folder, I used the command 'pip install django' to download the Django package, if I haven't already done so. Within the 'mysite' folder, I used the command 'django-admin startproject mysite' to create the skeleton. Using 'ls' I was able to list all files within that folder to MAKE SURE I had everything.

CREATING MY CUTE HOWDY APP

I created an app called 'howdy' using 'python manage.py startapp howdy' within the 'mysite' folder -- now, fellas, we are in business. In order for 'howdy' to be recognized as a greeting in the English language, it first had to be recognized by Django. So in sublime text, I opened that secret sauce up and added 'howdy' to the list under 'installed apps' in our main mysite 'settings.py' folder.

```
INSTALLED_APPS = [  
    'django.contrib.admin',  
    'django.contrib.auth',  
    'django.contrib.contenttypes',  
    'django.contrib.sessions',  
    'django.contrib.messages',  
    'django.contrib.staticfiles',  
    'howdy',  
]
```

Now we're ready for those cowboys!

LET'S MIGRATE ON DOWN Y'ALL

After running the server and realizing I have to make the migrations, I made such migrations with `'python manage.py migrate'` and watched all the emigrants immigrate (or immigrants emigrate?) to some code void I know not where.

THOSE DARN URLS AND DARN TEMPLATES

Now I needed EVERYONE to see my `howdy` app when running the server because I worked so hard on it!!

So here's my code! More words!! But with color this time!!!

1. Adding `'howdy'` to the main mysite `'settings.py'` file

```
from django.conf.urls import url, include
from django.contrib import admin

urlpatterns = [
    url(r'^admin/', admin.site.urls),
    url(r'^', include('howdy.urls')),
]
```

2. Adding a `'urls.py'` file into the `'howdy'` app folder with the following code:

```
from django.conf.urls import url
from howdy import views

urlpatterns = [
    url(r'^$', views.HomePageView.as_view()),
]
```

3. Then getting the `'HomePageView'` recognized by the `'views.py'` file under `'howdy'` with the following code

```
from django.shortcuts import render
from django.views.generic import TemplateView

class HomePageView(TemplateView):
    def get(self, request, **kwargs):
        return render(request, 'index.html', context=None)
```

So you'll see there's a `'TemplateView'` in parenthesis after `'HomePageView'`--what the heck is that?? Well looks like we're gonna need to make some templates, ay?

4. Create a 'templates.py' folder within the 'howdy' folder. First template to make is the 'index.html' file which will serve as the front/homepage of your stunning website. Since I'm creating a site for my solo performance, I included a short description of the piece in my code and titled the website with the title of my thesis.

```

<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>Cherries in the Fall</title>
  </head>
  <body>
    <h1>CHERRIES IN THE FALL</h1>
    <p>
      Fifty stars of red, white, and blue—but they forgot to
      count you. This is a young adult's reflection and
      exploration of being Chinese-American while living with
      a Chinese family in an American society. Her mother was
      thirteen and his father was eighteen when they decided
      to be American. They began in Plymouth Street, a humble
      home that housed a growing family. Harold Ave was a
      grand decision towards the Dream but when this is
      disrupted, her instincts to retract from and reject her
      family begin to prod at themes of race, class,
      emotional labor, and discipline: How do we live
      in-between and not burn out? Learn how to properly use
      chopsticks in this performance!
    </p>
    <a href="/about/">about the performance</a>
    <a href="/author/">about the performer</a>
    <a href="/media/">media</a>
  </body>
</html>

```

Ignore the last couple lines of code starting with 'href'--I'm getting ahead of myself! Slow down there horsey!

- To link different pages back to the homepage, I first created another template called 'author.html' which gave a short bio of moi with the title of the page in large capital letters spelling out the name of moi.

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>Cherries in the Fall</title>
  </head>
  <body>
    <h1>SABRINA CHOW YEE WU</h1>
    <p>
      Sabrina Wu is a San Francisco native whose interest in
      theater was groomed by her immigrant parents' own
      aspirations for the American Dream of fame and fortune.
      Currently a Brooklyn based performance and visual media
      artist, her work centers identity in the public and
      private sphere. Her studies in Berlin, Barcelona, and
      Cuba have challenged and invigorated her Chinese-ness.
      Sabrina made her debut on stage in 2017 as the
      crowd-favorite "Nun" in Eugene Lang College's
      production of Twelfth Night directed by Cecilia Rubino.
      The following year, she was the lead role of the
      "Bride" in Dan Safer's adaptation of Bertolt Brecht's
      "A Respectable Wedding." Sabrina has volunteered with
      the Harlem "I Have A Dream" theater and education
      program, and recently worked with the theater program
      at Fortune Society, a non-profit organization that
      provides support for the formerly incarcerated. In the
      spring of 2017, Sabrina directed her first theater
      piece, a one-woman performance adapted from Heiner
      Mueller's "Hamletmachine." This piece has since been
      reimagined into a short film the artist is currently
      working on. Chow Yee is her middle name.
    </p>
    <a href="/">back</a>
  </body>
</html>
```

As you can see, the `href="/">back` line will link BACK to the homepage!
So. Snazzy.

- Now I add this `about the performer` to the 'index.html' file where you saw it in #4.
- But who the heck is actually the author? Going back to the 'urls.py' file in the 'howdy' folder, I'm adding this line of code

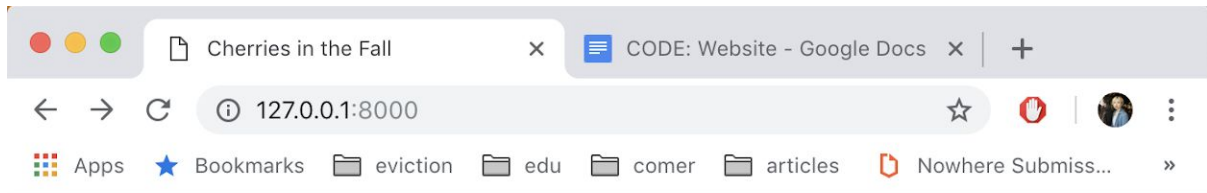
```
url(r'^author/$', views.AuthorPageView.as_view()),
```

to define the author url in the app.

- Ugh, now we need to add a view so the page can be seen--so many steps!! Navigating to the 'views.py' file in the 'howdy' folder, I'm adding this bad boy into the equation:

```
class AuthorPageView(TemplateView):
    template_name = "author.html"
```

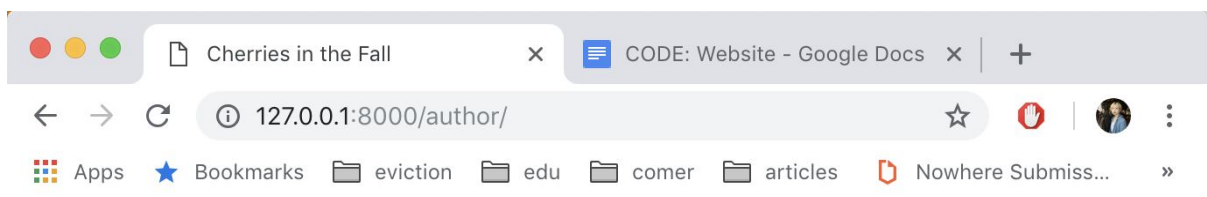

9. So going back to the terminal and running the server using `'python manage.py runserver'` will spit out my http thingy, which I can copy-paste onto my browser and voila!!!! A website!!! With my name on it!!!!



CHERRIES IN THE FALL

Fifty stars of red, white, and blue—but they forgot to count you. This is a young adult's reflection and exploration of being Chinese-American while living with a Chinese family in an American society. Her mother was thirteen and his father was eighteen when they decided to be American. They began in Plymouth Street, a humble home that housed a growing family. Harold Ave was a grand decision towards the Dream but when this is disrupted, her instincts to retract from and reject her family begin to prod at themes of race, class, emotional labor, and discipline: How do we live in-between and not burn out? Learn how to properly use chopsticks in this performance!

[about the performance](#) [about the performer](#) [media](#)



SABRINA CHOW YEE WU 😊

Sabrina Wu is a San Francisco native whose interest in theater was groomed by her immigrant parents' own aspirations for the American Dream of fame and fortune. Currently a Brooklyn based performance and visual media artist, her work centers identity in the public and private sphere. Her studies in Berlin, Barcelona, and Cuba have challenged and invigorated her Chinese-ness. Sabrina made her debut on stage in 2017 as the crowd-favorite "Nun" in Eugene Lang College's production of Twelfth Night directed by Cecilia Rubino. The following year, she was the lead role of the "Bride" in Dan Safer's adaptation of Bertolt Brecht's "A Respectable Wedding." Sabrina has volunteered with the Harlem "I Have A Dream" theater and education program, and recently worked with the theater program at Fortune Society, a non-profit organization that provides support for the formerly incarcerated. In the spring of 2017, Sabrina directed her first theater piece, a one-woman performance adapted from Heiner Mueller's "Hamletmachine." This piece has since been reimaged into a short film the artist is currently working on. Chow Yee is her middle name.

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10. I added two more templates: 'about.html' and an under construction 'media.html'. So using the same method in creating the author page, here's my full code:

a. **Templates:** about.html

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>Cherries in the Fall</title>
  </head>
  <body>
    <h1>ALUMNIGHT</h1>
    <p>
      In collaboration with La MaMa, Eugene Lang College's
      AlumNight will be held at Ellen Stewart Theater (66
      East 4th Street, between Bowery and Second Avenue). The
      show will begin promptly at 7pm. General admission is
      free for the public. This year marks the eleventh
      annual AlumNight and is dedicated to the celebrated
      Cuban-American playwright, María Irene Fornés.
    </p>
    <a href="/">back</a>
  </body>
</html>
```

b. **Templates:** media.html

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>Cherries in the Fall</title>
  </head>
  <body>
    <h1>MEDIA</h1>
    <p>
      [to be updated] Photos / videos from the performance.
    </p>
    <a href="/">back</a>
  </body>
</html>
```

c. **howdy/urls.py**

```
from django.conf.urls import url
from howdy import views

urlpatterns = [
    url(r'^$', views.HomePageView.as_view()),
    url(r'^about/$', views.AboutPageView.as_view()), #
    url(r'^author/$', views.AuthorPageView.as_view()),
    url(r'^media/$', views.MediaPageView.as_view()),
]
```

d. `howdy/views.py`

```
from django.shortcuts import render
from django.views.generic import TemplateView

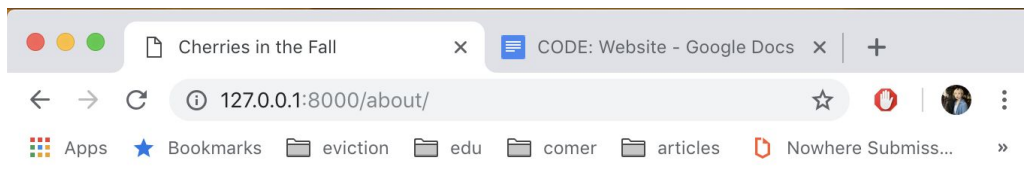
class HomePageView(TemplateView):
    def get(self, request, **kwargs):
        return render(request, 'index.html', context=None)

# Add this view
class AboutPageView(TemplateView):
    template_name = "about.html"

class AuthorPageView(TemplateView):
    template_name = "author.html"

class MediaPageView(TemplateView):
    template_name = "media.html"
```

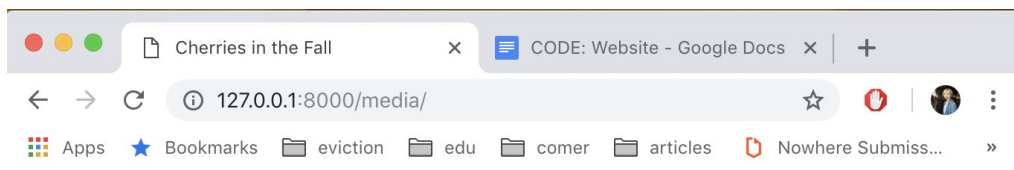
11. So now I run my server at [<http://127.0.0.1:8000/>] and *boom* (ノ・ヾ・)ノ
Yippie-ki-yay folks, she's up and running!



ALUMNIGHT

In collaboration with La MaMa, Eugene Lang College's AlumNight will be held at Ellen Stewart Theater (66 East 4th Street, between Bowery and Second Avenue). The show will begin promptly at 7pm. General admission is free for the public. This year marks the eleventh annual AlumNight and is dedicated to the celebrated Cuban-American playwright, María Irene Fornés.

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MEDIA

[to be updated] Photos / videos from the performance.

[back](#)

Howdy to all the folks who see this basic bastard website! bless xoxo