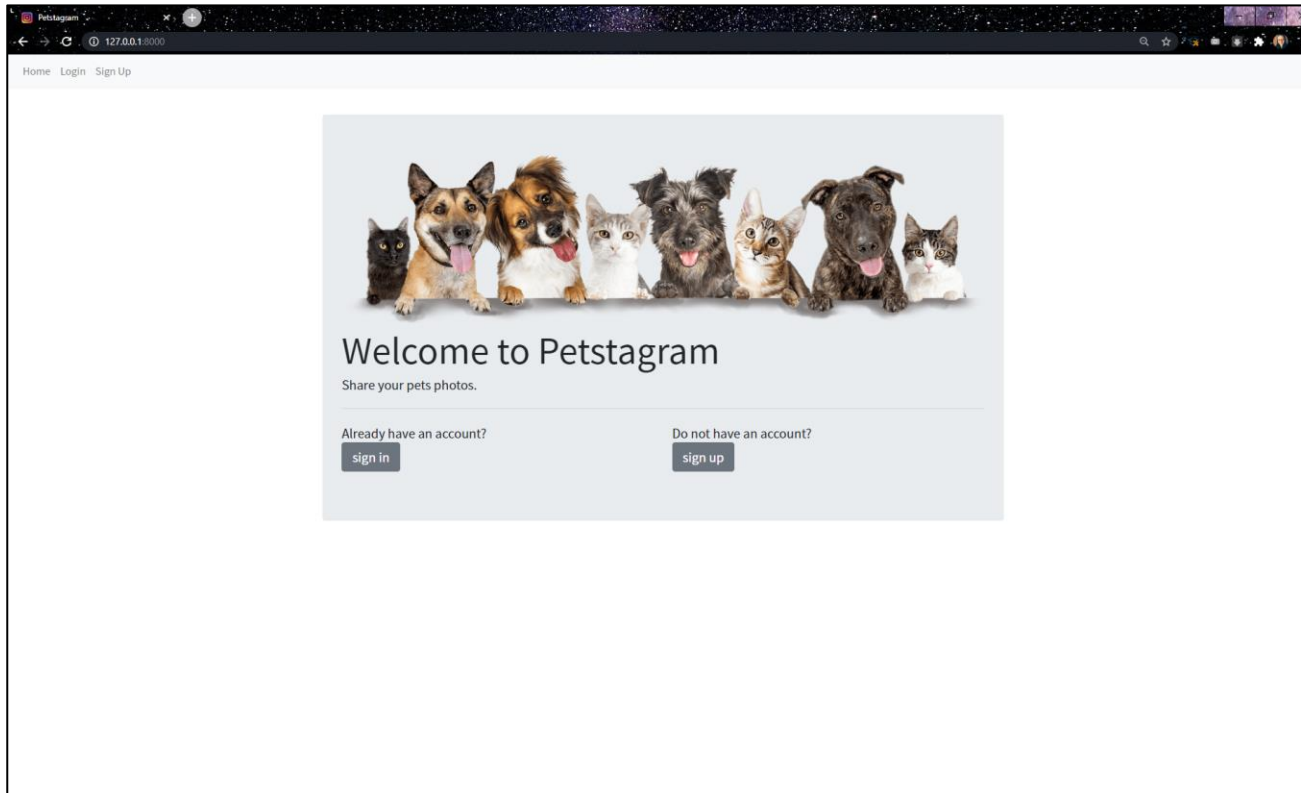


Workshop: Petstagram

Throughout the whole module we are going to be creating a **complete Django project** called "**Petstagram**". The project will cover the following **functionalities**: **registration/login**, user **profile** (with profile picture that can be changed); a user will be able to **view all photos of pets**, open **details**, **comment** and **like** a photo, **edit** and **delete** their **own** pet photos.

1. Final Project

Home Page



Register

A screenshot of the Petstagram registration page. The page has a navigation bar with links for 'Home', 'Login', and 'Sign Up'. The main content area contains a 'Sign up' form. The form has the following fields: 'Username' (with a placeholder 'Enter username'), 'Password1' (with a placeholder 'Enter password1'), and 'Password2' (with a placeholder 'Enter password2'). Below the password fields, there is a blue 'Sign up' button and a link that says 'Have an account? Sign in here'.

Login

Home Login Sign Up

Login

Username

Password

Login

Create

Home Pet Photos pesho

Add new pet photo

Type:

Name:

Age:

Description:


Image url:

Create

All Pet Photos

Home Pet Photos pesho


All pet photos



dog Yara, Age: 1
This is my new dog Yara. She is very sweet and sleeps all day
Owner: tanya
[See details](#)

Pet Details (not own)

Home Pet Photos pesho



Type: dog Name: Yara Age: 1 Owner: tanya
Description: This is my new dog Yara. She is very sweet and sleeps all day
❤️
Likes: 1

tanya.says: Nice dog

pesho.says: <3

Comment:

Add comment

Pet Details (own)

Home Pet Photos pesho



Type: parrot Name: Archy Age: 3 Owner: pesho
Description: This is my parrot Archy!
Edit Delete
Likes: 0

There are no comments for this pet.

Comment:

Add comment

Pet Edit

Home Pet Photos pesho

Edit your pet info

Type:

Name:

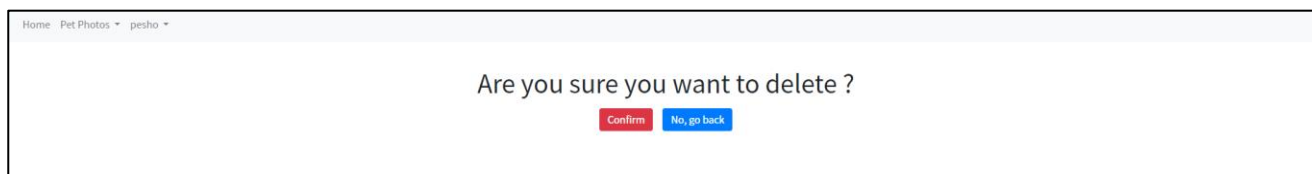
Age:

Description:

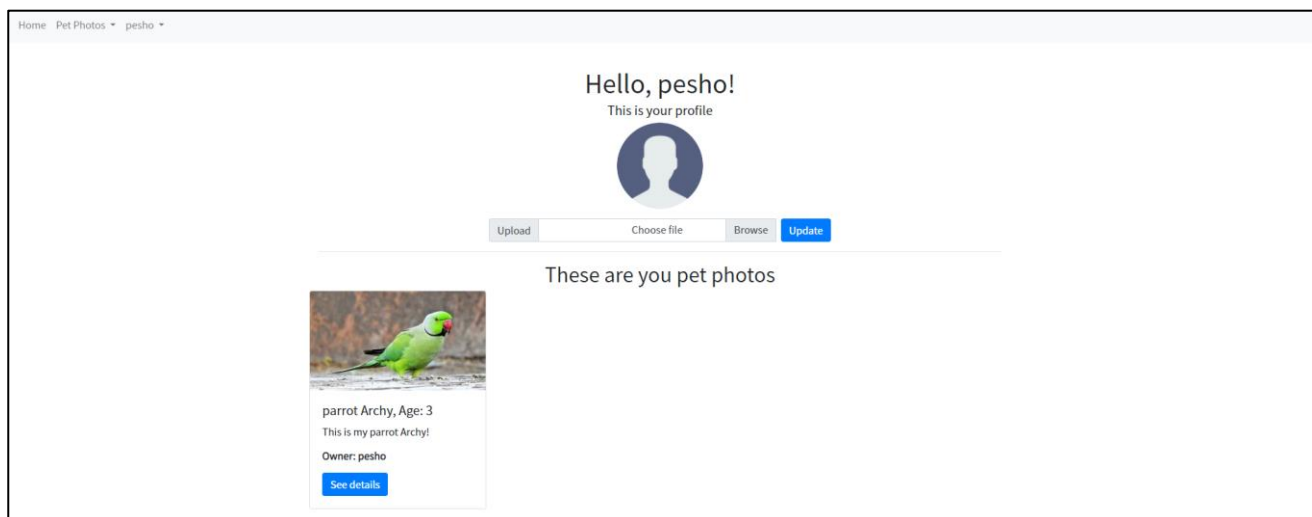
Image url:

Edit

Pet Delete



Profile



2. Part I – The Landing Page

Setup

Let us start by **creating the project**

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

Microsoft Windows [Version 10.0.18363.900]
(c) 2019 Microsoft Corporation. All rights reserved.

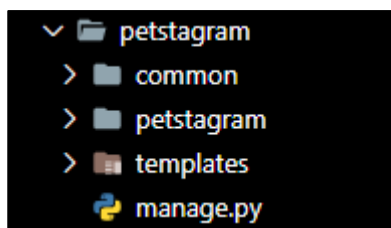
C:\Users\User\Desktop\python-web\Sept-2020\Private\workshop-part-1>django-admin startproject petstagram
```

Now, let us create the **first app** which will be called '**common**' which will contain all the **common parts** of our **project**, including the language page

```
C:\Users\User\Desktop\python-web\Sept-2020\Private\workshop-part-1>cd petstagram

C:\Users\User\Desktop\python-web\Sept-2020\Private\workshop-part-1\petstagram>django-admin startapp common
```

The next step will be to **create the templates folder**



Configurations

Now, we need to do some **configurations**. We will start with configuring our **templates path**

```
15 # Build paths inside the project like this: os.path.join(BASE_DIR, ...)
16 BASE_DIR = os.path.dirname(os.path.dirname(os.path.abspath(__file__)))
17 TEMPALTES_DIR = os.path.join(BASE_DIR, 'templates')
```

```
55 TEMPLATES = [
56     {
57         'BACKEND': 'django.template.backends.django.DjangoTemplates',
58         'DIRS': [TEMPALTES_DIR],
59         'APP_DIRS': True,
60         'OPTIONS': {
61             'context_processors': [
62                 'django.template.context_processors.debug',
63                 'django.template.context_processors.request',
64                 'django.contrib.auth.context_processors.auth',
65                 'django.contrib.messages.context_processors.messages',
66             ],
67         },
68     ],
69 ]
```

Then, we need to **add the app** we just created in the **INSTALLED_APPS**

```
34 INSTALLED_APPS = [
35     'django.contrib.admin',
36     'django.contrib.auth',
37     'django.contrib.contenttypes',
38     'django.contrib.sessions',
39     'django.contrib.messages',
40     'django.contrib.staticfiles',
41     'common'
42 ]
```

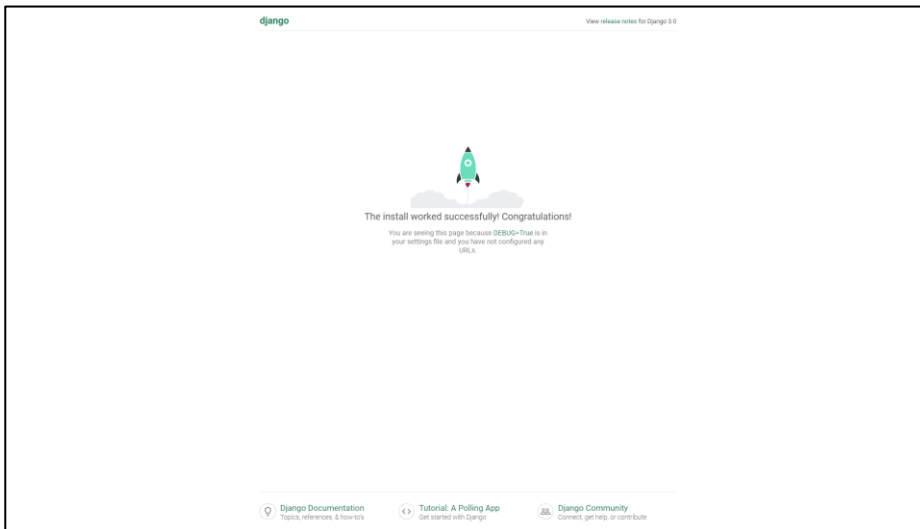
Migrations and Starting the Project

```
C:\Users\User\Desktop\python-web\Sept-2020\Private\workshop-part-1\petstagram>python manage.py makemigrations
No changes detected

C:\Users\User\Desktop\python-web\Sept-2020\Private\workshop-part-1\petstagram>python manage.py migrate
Operations to perform:
  Apply all migrations: admin, auth, contenttypes, sessions
Running migrations:
  No migrations to apply.
```

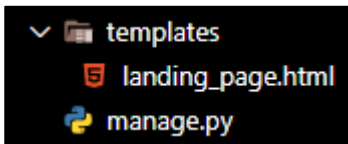
```
C:\Users\User\Desktop\python-web\Sept-2020\Private\workshop-part-1\petstagram>python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
July 16, 2020 - 14:33:47
Django version 3.0.7, using settings 'petstagram.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
[16/Jul/2020 14:33:49] "GET / HTTP/1.1" 200 16351
```



Creating the Landing Page

Let us first **create** the **html** file of the landing page and write the **html** in it



Copy the content of the **given html** file and paste it in **your html** file

Now, we can **create** the **view**

```
1 from django.shortcuts import render
2
3 # Create your views here.
4 def landing_page(request):
5     return render(request, 'landing_page.html')
```

Now, **create** the **urls.py** file and write the following code:

```
1 from django.urls import path
2 from . import views
3
4 urlpatterns = [
5     path('', views.landing_page, name='landing')
6 ]
```

Finally, we need to **include** the **urls** from the app in our **project**

```
16 from django.contrib import admin
17 from django.urls import path, include
18
19 urlpatterns = [
20     path('admin/', admin.site.urls),
21     path('', include('common.urls'))
22 ]
```

Now we can **start** the **project**

