Introduction to Blog App
(Project-1)

Project

You'll build a Blog application with Django that allows users to create, edit, and delete posts. The home page will list all blog posts, and there will be a dedicated detail page for each individual post, comment and like.

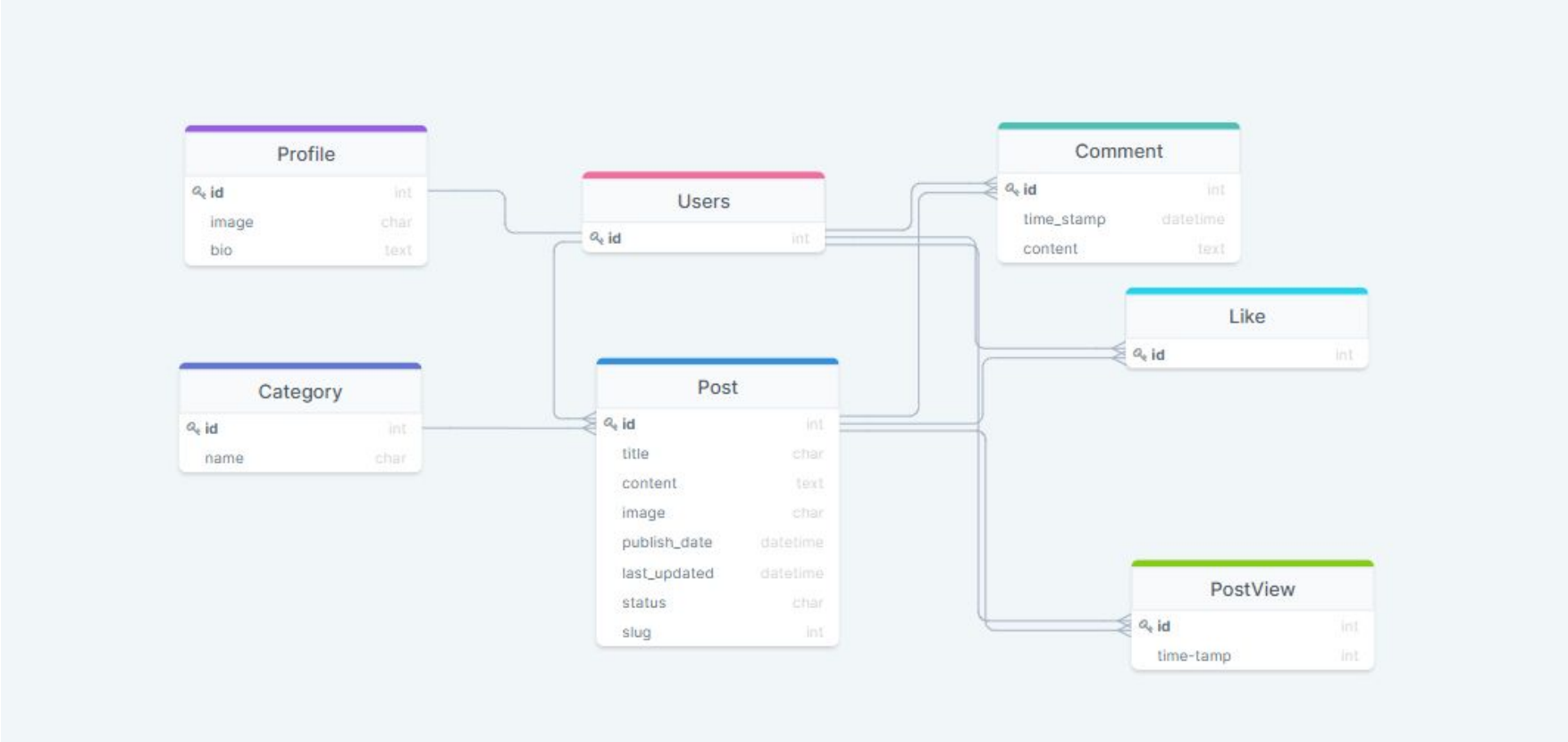
Blog App Project

FRONTEND

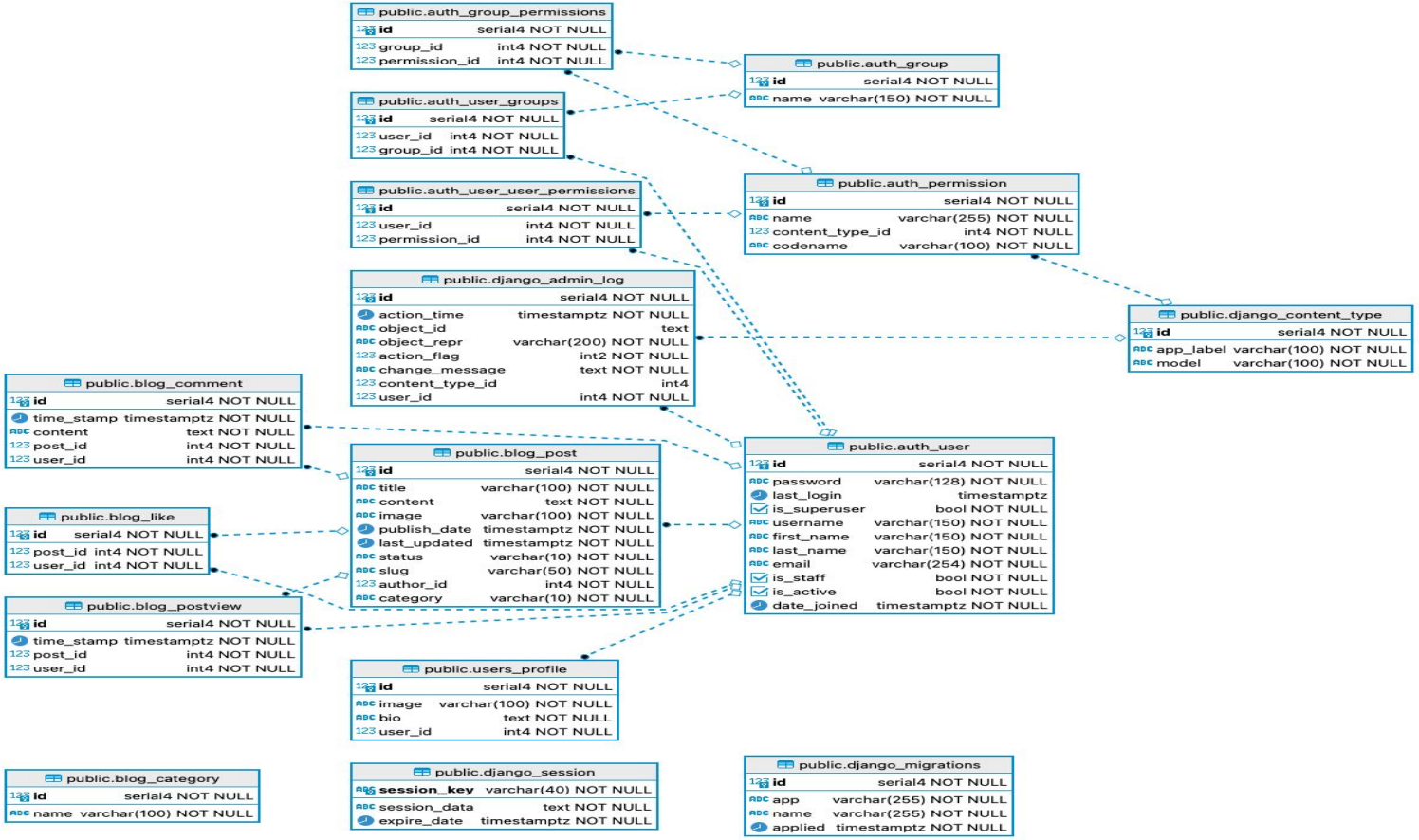
BACKEND

DATABASE

DB Model


Profile
id int
image char
bio text
Users
id int
Comment
id int
time_stamp datetime
content text
Like
id int
Category
id int
name char
Post
id int
title char
content text
image char
publish_date datetime
last_updated datetime
status char
slug int
PostView
id int
time-tamp int

ER Diagram


public.auth_group_permissions
id serial4 NOT NULL
group_id int4 NOT NULL
permission_id int4 NOT NULL
public.auth_group
id serial4 NOT NULL
name varchar(150) NOT NULL
public.auth_user_groups
id serial4 NOT NULL
user_id int4 NOT NULL
group_id int4 NOT NULL
public.auth_permission
id serial4 NOT NULL
name varchar(255) NOT NULL
content_type_id int4 NOT NULL
codename varchar(100) NOT NULL
public.auth_user_user_permissions
id serial4 NOT NULL
user_id int4 NOT NULL
permission_id int4 NOT NULL
public.django_admin_log
id serial4 NOT NULL
action_time timestamptz NOT NULL
object_id text
object_repr varchar(200) NOT NULL
action_flag int2 NOT NULL
change_message text NOT NULL
content_type_id int4
user_id int4 NOT NULL
public.django_content_type
id serial4 NOT NULL
app_label varchar(100) NOT NULL
model varchar(100) NOT NULL
public.blog_comment
id serial4 NOT NULL
time_stamp timestamptz NOT NULL
content text NOT NULL
post_id int4 NOT NULL
user_id int4 NOT NULL
public.blog_post
id serial4 NOT NULL
title varchar(100) NOT NULL
content text NOT NULL
image varchar(100) NOT NULL
publish_date timestamptz NOT NULL
last_updated timestamptz NOT NULL
status varchar(10) NOT NULL
slug varchar(50) NOT NULL
author_id int4 NOT NULL
category varchar(10) NOT NULL
public.auth_user
id serial4 NOT NULL
password varchar(128) NOT NULL
last_login timestamptz
is_superuser bool NOT NULL
username varchar(150) NOT NULL
first_name varchar(150) NOT NULL
last_name varchar(150) NOT NULL
email varchar(254) NOT NULL
is_staff bool NOT NULL
is_active bool NOT NULL
date_joined timestamptz NOT NULL
public.blog_like
id serial4 NOT NULL
post_id int4 NOT NULL
user_id int4 NOT NULL
public.blog_postview
id serial4 NOT NULL
time_stamp timestamptz NOT NULL
post_id int4 NOT NULL
user_id int4 NOT NULL
public.users_profile
id serial4 NOT NULL
image varchar(100) NOT NULL
bio text NOT NULL
user_id int4 NOT NULL
public.blog_category
id serial4 NOT NULL
name varchar(100) NOT NULL
public.django_session
session_key varchar(40) NOT NULL
session_data text NOT NULL
expire_date timestamptz NOT NULL
public.django_migrations
id serial4 NOT NULL
app varchar(255) NOT NULL
name varchar(255) NOT NULL
applied timestamptz NOT NULL

Blog App Project

Home Page

Register Page

Login Page

Profile Page

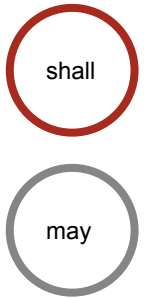
- Post Title
- Post Content
- Comments Count
- View Count
- Like Count
- Post Publish Date(Since)

Post Create Page

Post Detail Page

About Page

- Lke
- Comment (Login User Shall comment))
- Owner shall Edit



CLARUSWAY
WAY TO REINVENT YOURSELF

Home Page

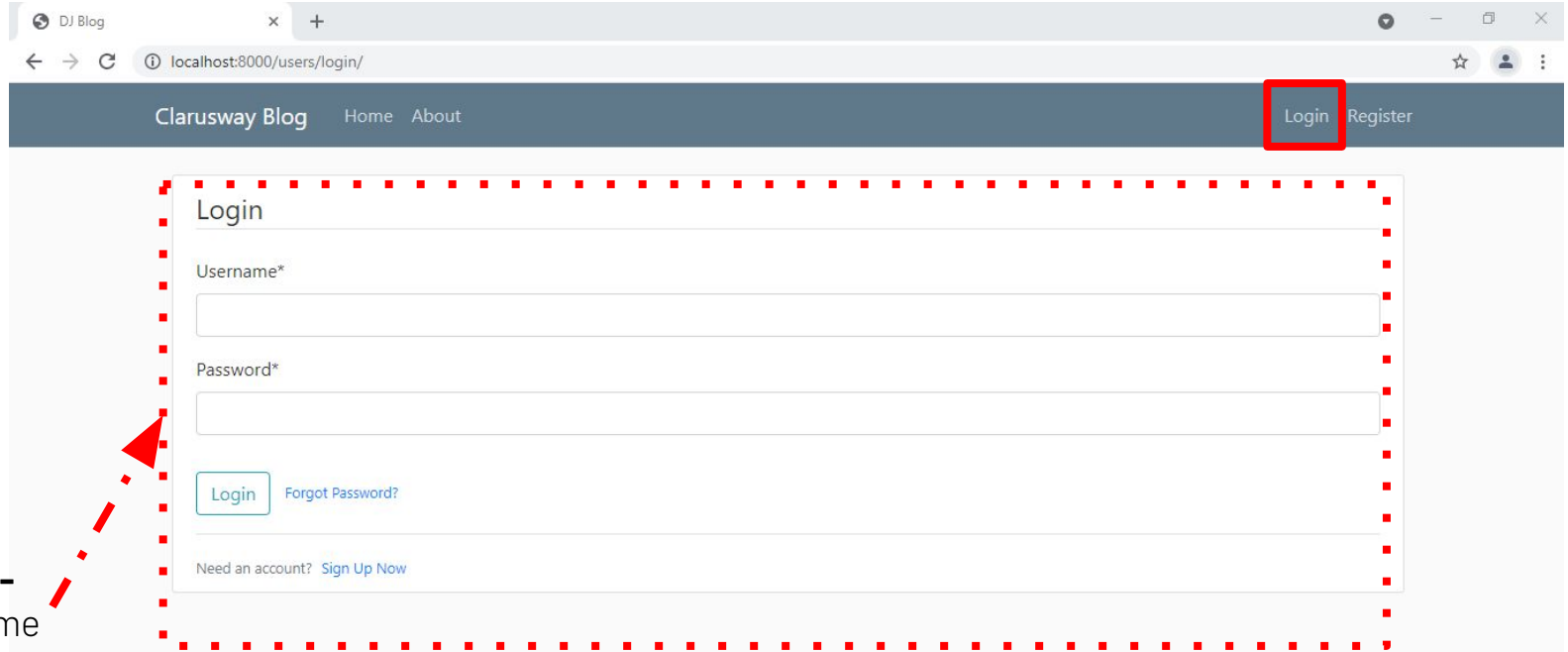
DJ Blog
localhost:8000
Clarusway Blog
Home
About
Login
Register
Clarusway Blog

Home Page

NavBar

Home
About
Login
Register

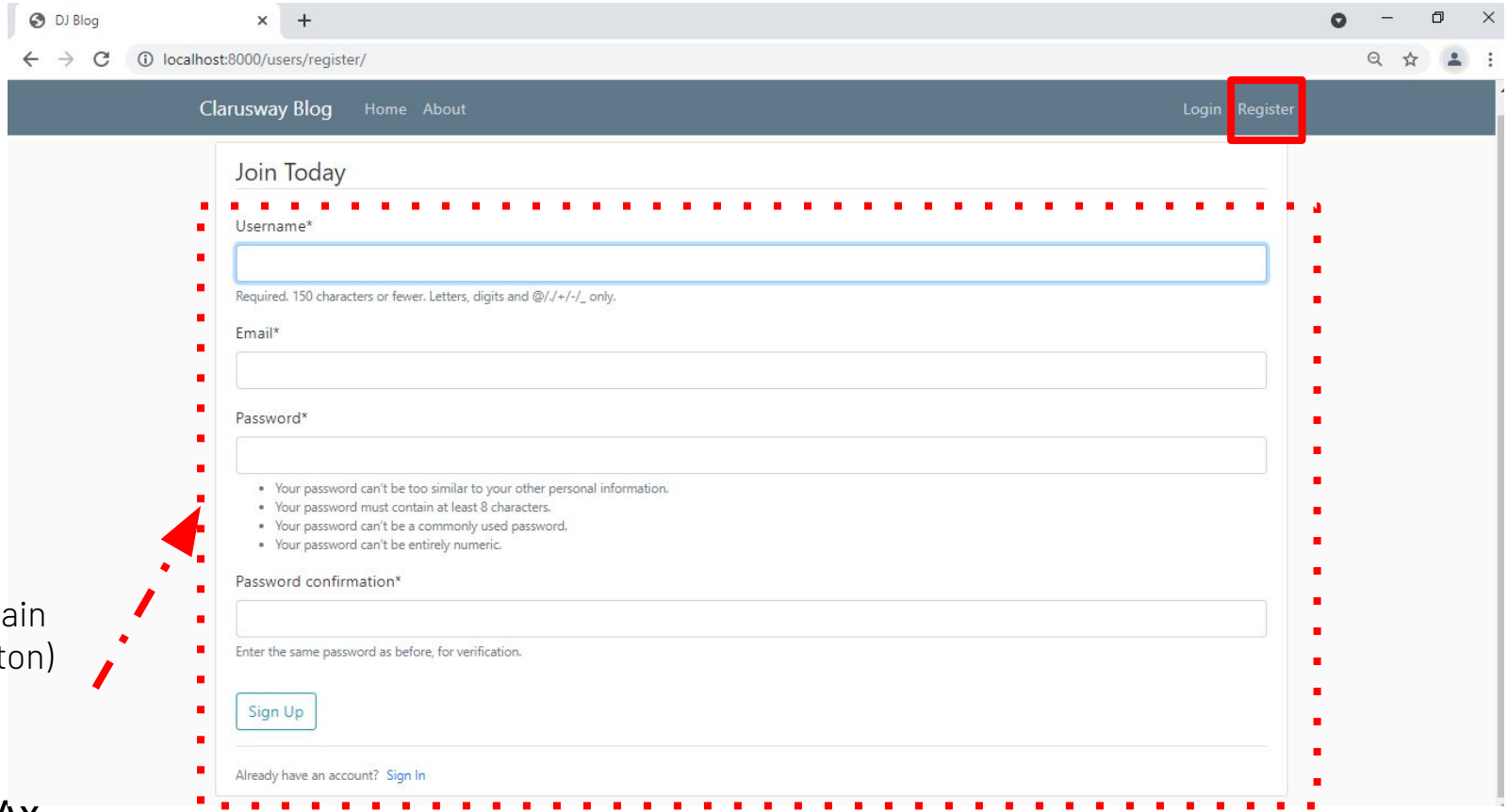
Login Page



Login

Username
Password
Login (Button)
Forgot Password
Sign Up Now

Register Page



Register

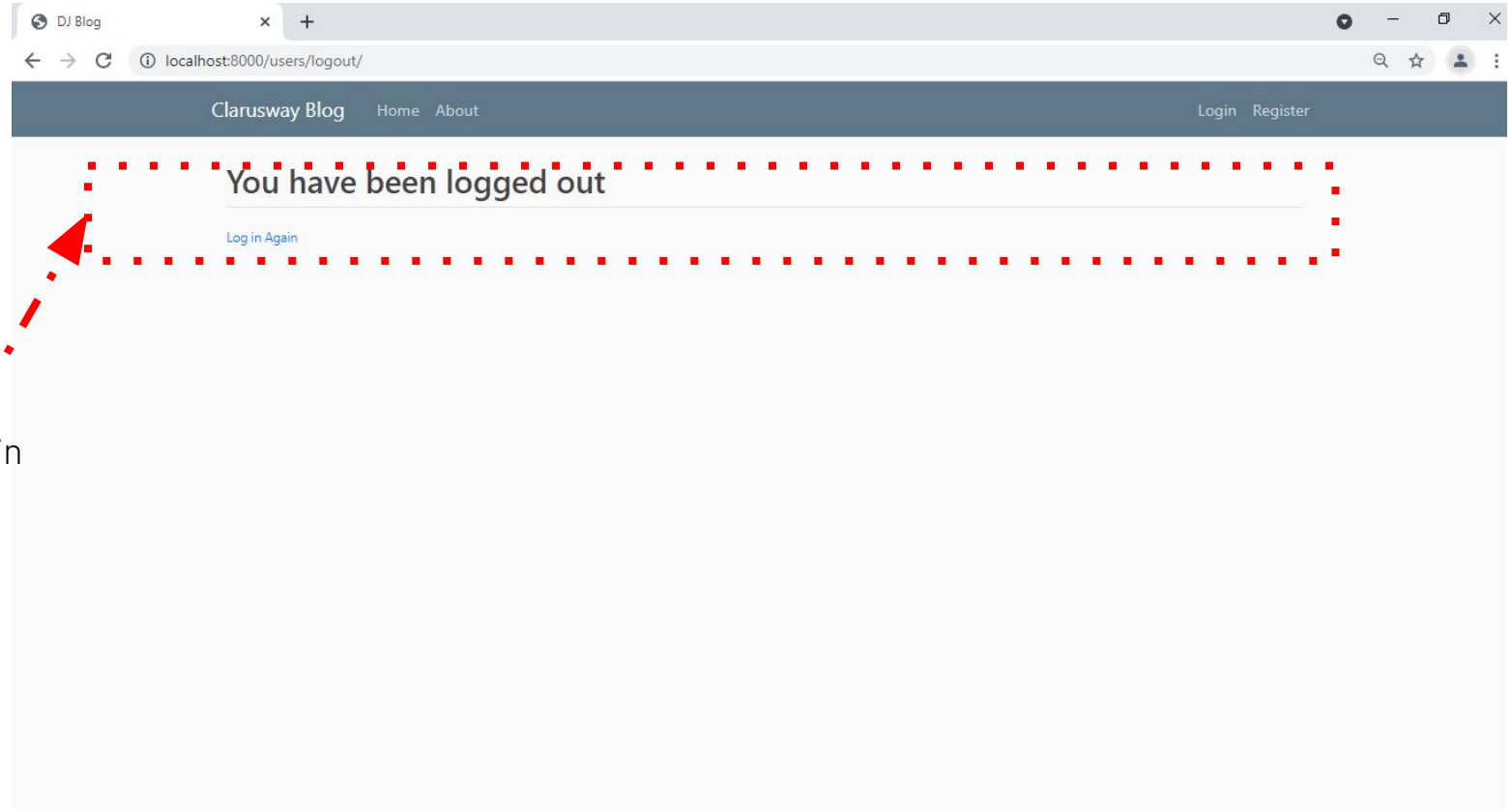
Username
Email
Password
Password Again
Sign Up (Button)
Sign In

Home Page (Login)

NavBar

Home
About
Logout
Profile
New Post

Logout Page



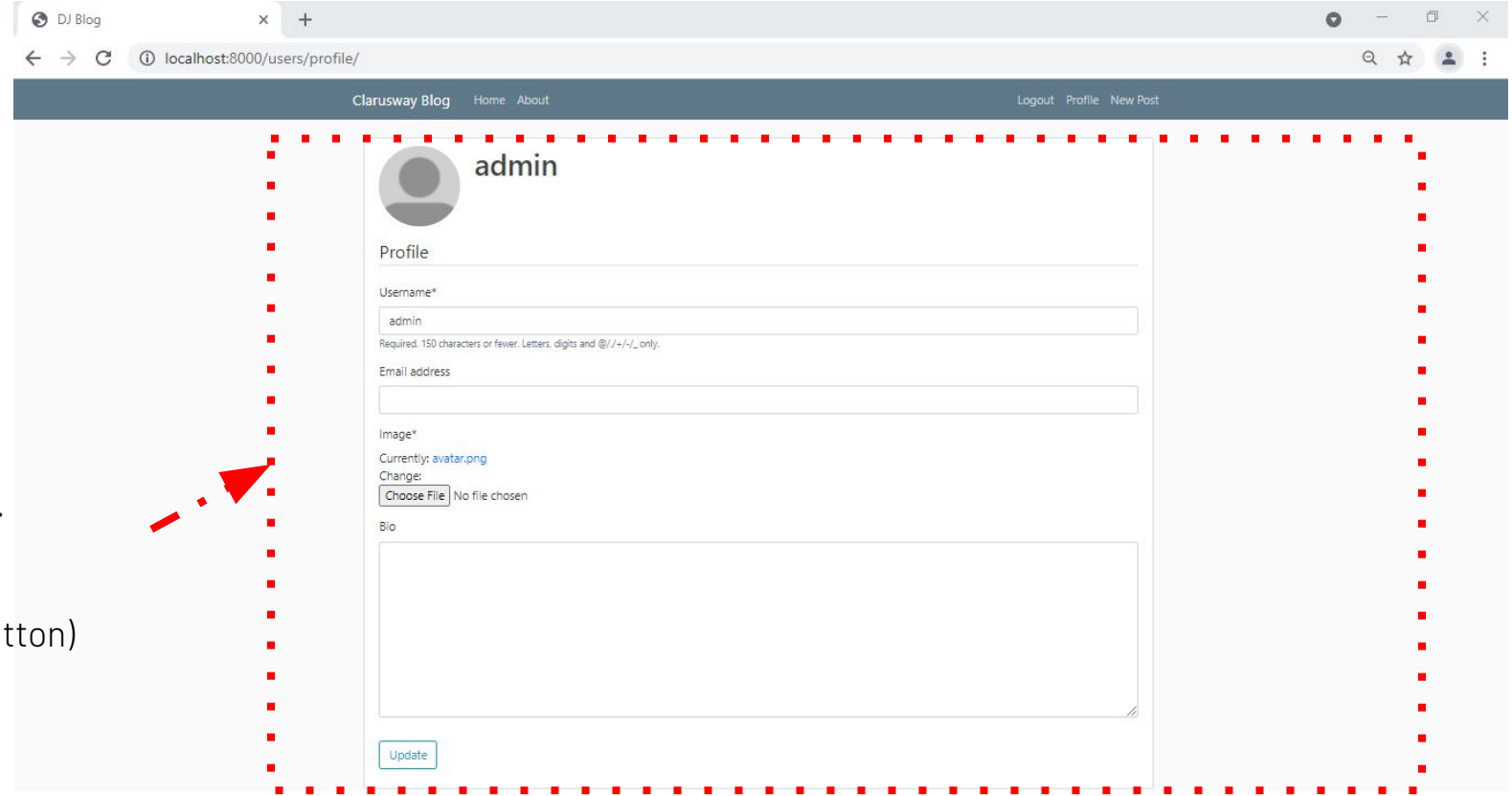
Logout

Login Again

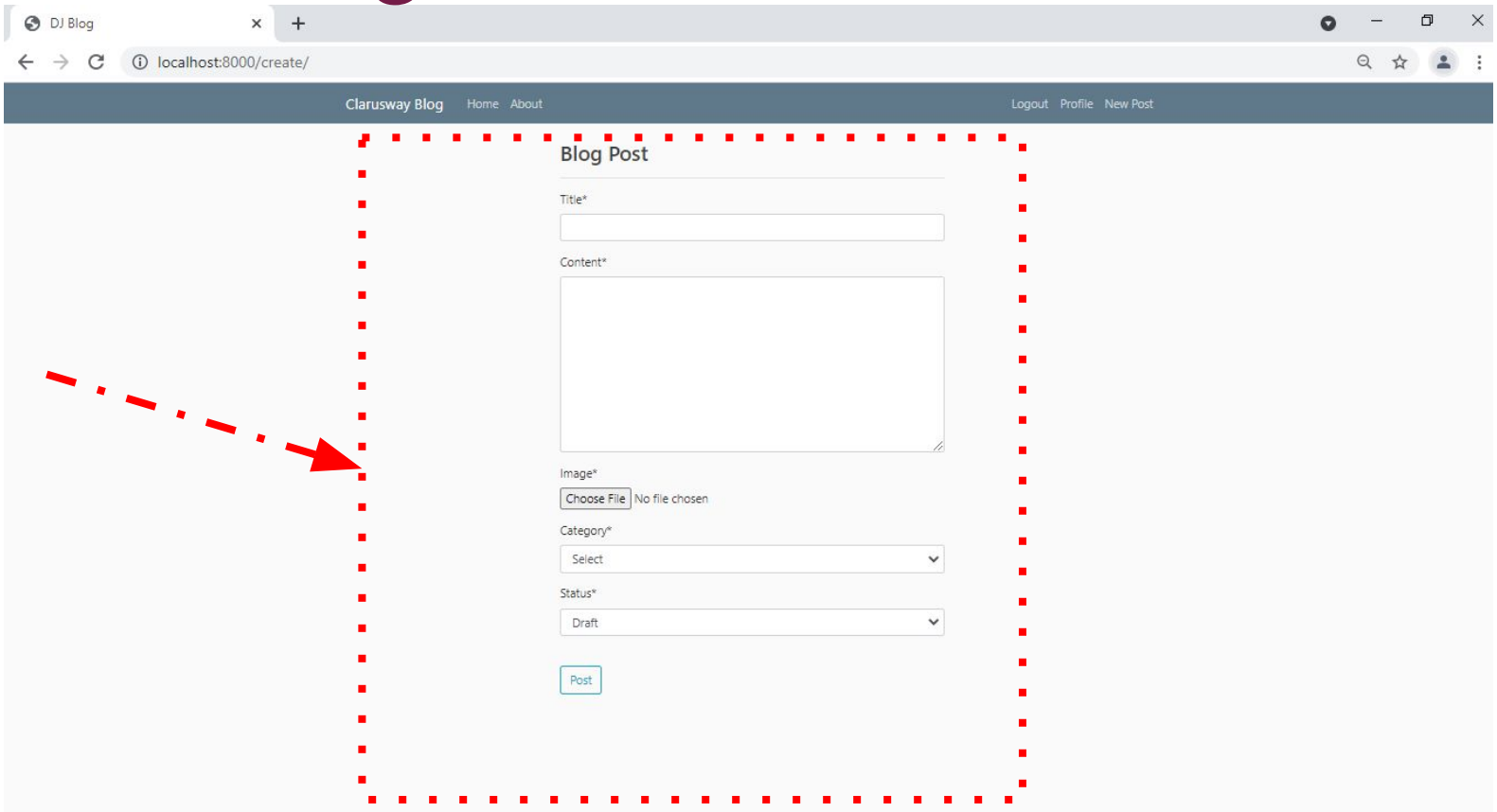
Profile Page

Profile

Username
Email Add.
Image
Bio
Update(Button)



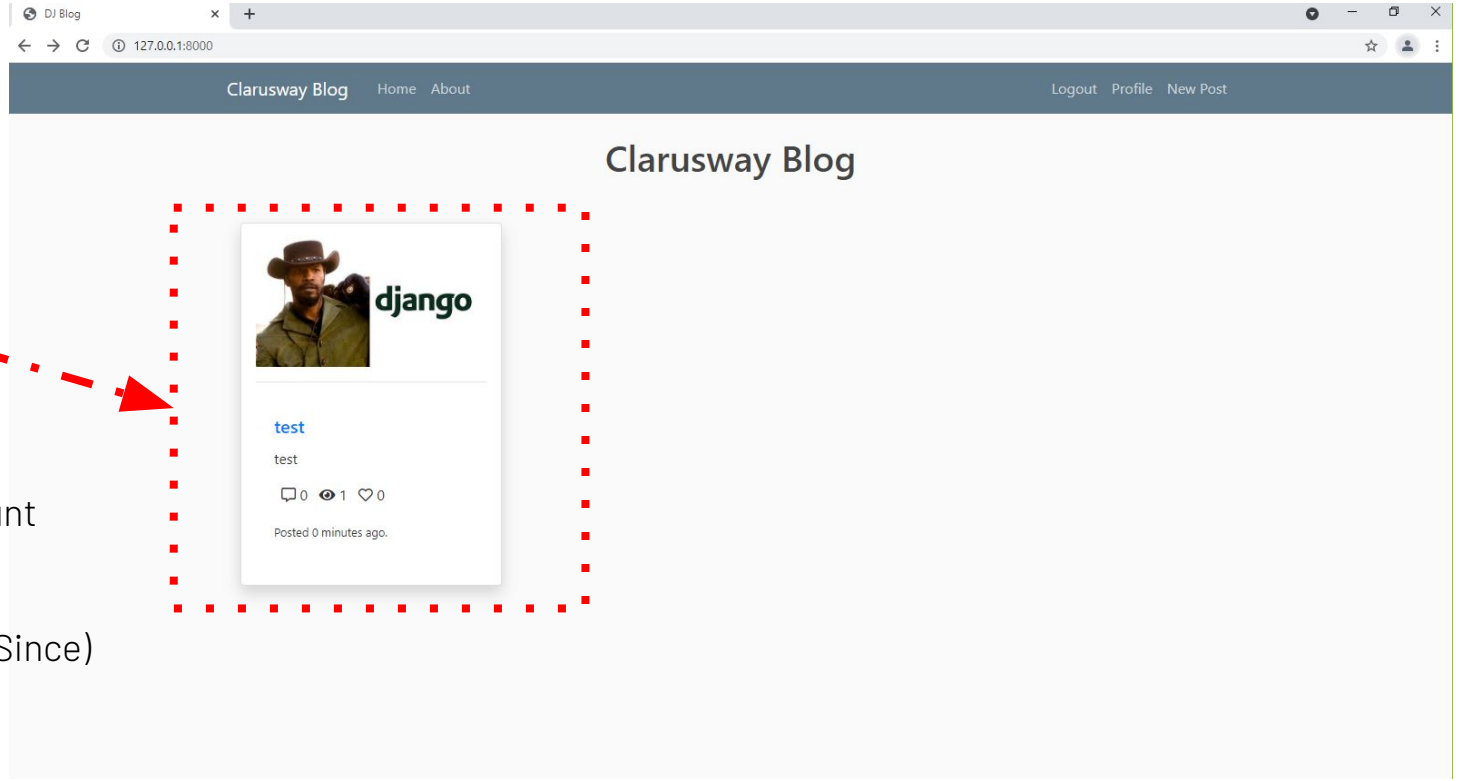
New Post Page



New Post

Title
Content
Image
Category
Status
Post(Button)

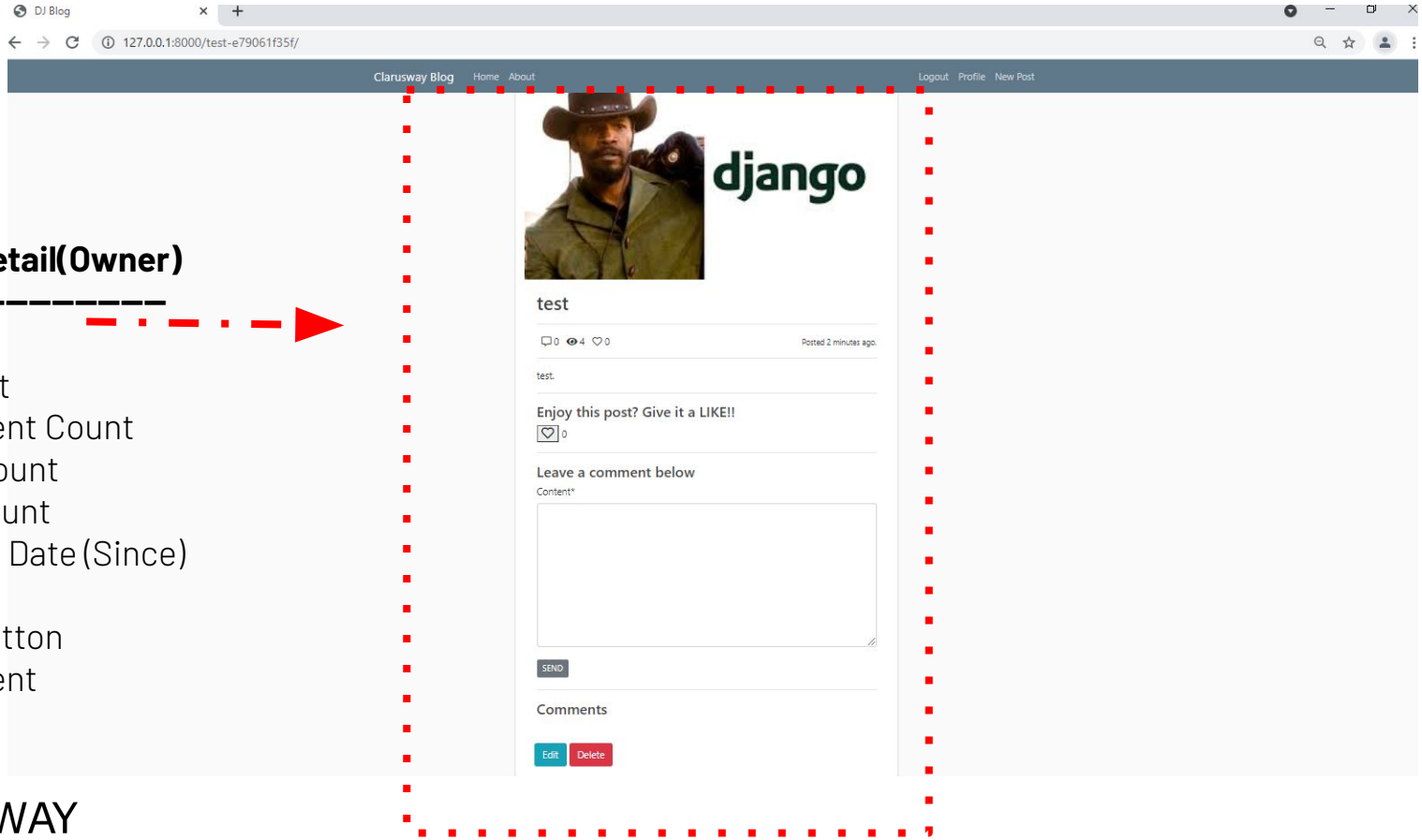
Home Page(After Post Create)



Post

Title
Content
Comment Count
View Count
Like Count
Publish Date (Since)

Post Detail Page



Post Detail(Owner)

Title
Content
Comment Count
View Count
Like Count
Publish Date (Since)

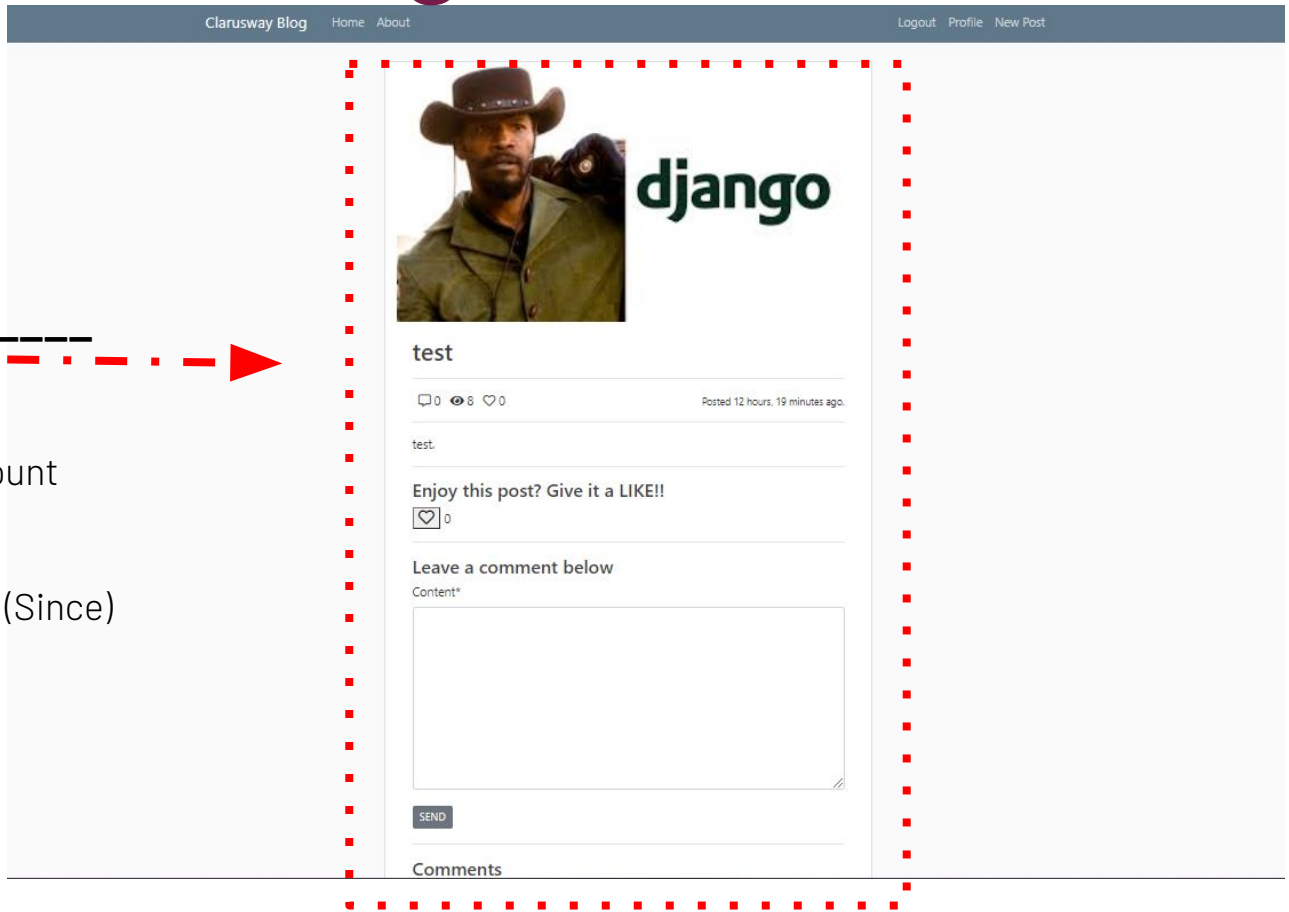
Like Button
Comment
Edit

Post Detail Page

Post Detail

Title
Content
Comment Count
View Count
Like Count
Publish Date (Since)

Like Button
Comment

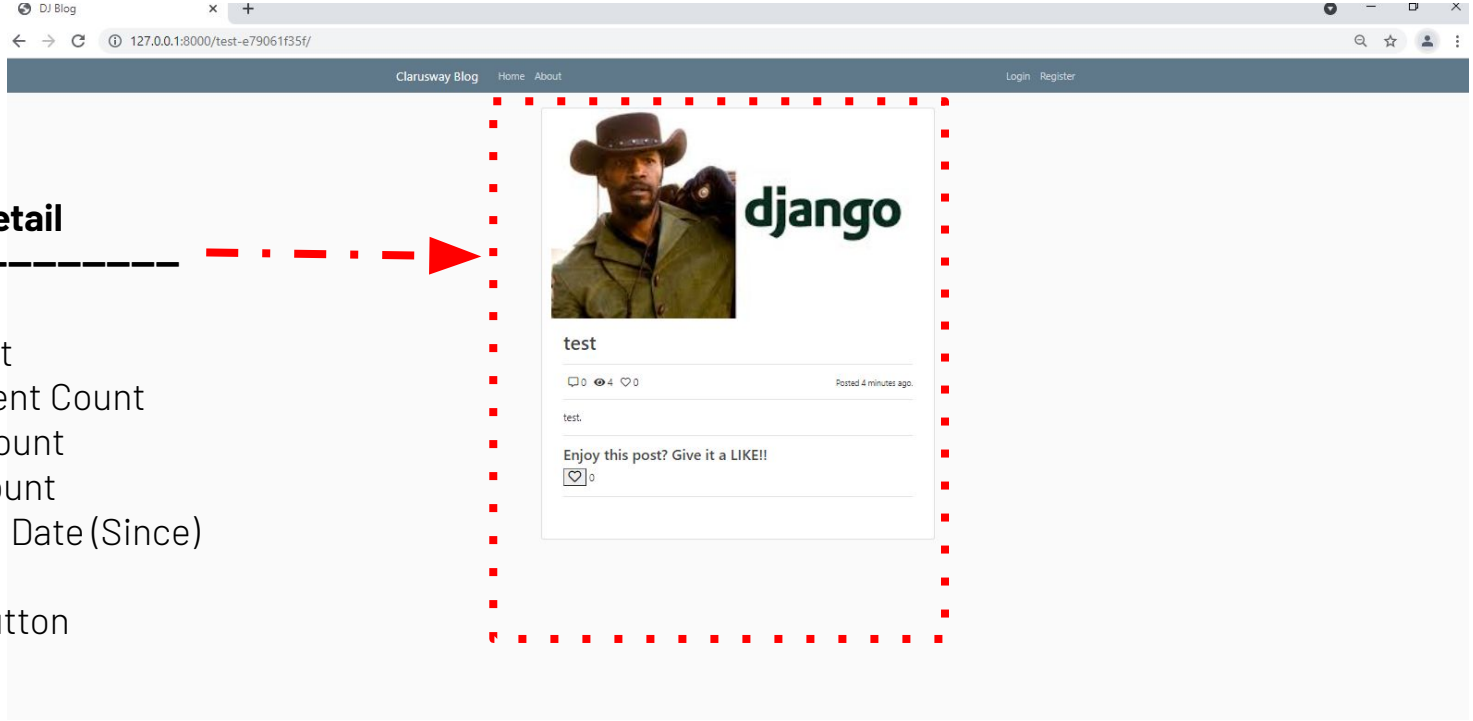


Post Detail Page(Logout)

Post Detail

Title
Content
Comment Count
View Count
Like Count
Publish Date (Since)

Like Button



Project Structure

Grading

LMS Submit

Due Date ⇒ Sunday

Blog App

THANKS!

Any questions?