

# SocialSite – Django Project Documentation

## 1. Introduction

SocialSite is a Django-based social networking platform that allows users to create profiles, post content, comment, like posts, and interact with other users. This document provides a complete overview of the project structure, features, setup guide, and workflow.

## 2. Project Features

- User Registration & Login (Django Authentication)
- User Profiles with editable information
- Create, Edit, Delete Posts
- Like/Unlike posts
- Comment on posts
- News Feed showing latest posts
- Responsive UI using HTML, CSS, Bootstrap
- Admin Panel to manage users, posts, and reports

## 3. Project Structure

```
SocialSite/
└── manage.py
└── SocialSite/
    ├── settings.py
    ├── urls.py
    ├── wsgi.py
    ├── asgi.py
    ├── accounts/ (User Authentication App)
        ├── models.py
        ├── views.py
        ├── forms.py
        ├── urls.py
        └── templates/accounts/*
    └── posts/ (Social Posts App)
        ├── models.py
        ├── views.py
        ├── urls.py
        └── templates/posts/*
└── static/ (CSS, JS, Images)
└── templates/ (base.html and shared components)
└── requirements.txt
```

## 4. Installation & Setup

1. Extract the project folder.
2. Open terminal and navigate to project directory.
3. Create and activate a virtual environment:
  - python -m venv env
  - env\Scripts\activate (Windows)
4. Install dependencies:

- pip install -r requirements.txt
5. Apply migrations:
- python manage.py makemigrations
  - python manage.py migrate
6. Create superuser:
- python manage.py createsuperuser
7. Run server:
- python manage.py runserver

## 5. Database Models

User Model: Django's built-in User

Profile Model:

- user (OneToOne)
- bio
- profile\_photo

Post Model:

- user
- content
- image
- created\_at

Comment Model:

- user
- post
- text

Like Model:

- user
- post

## 6. Workflow

- Users sign up and create profiles.
- Users can create posts with text/images.
- Others can like or comment on posts.
- Feed displays posts sorted by date.
- Admin monitors reported posts and user activity.

## 7. Testing Overview

The tests.py file should include:

- User registration tests
- Login tests
- Post creation tests
- Commenting tests
- Like/Unlike functionality tests
- Profile update tests

## 8. Conclusion

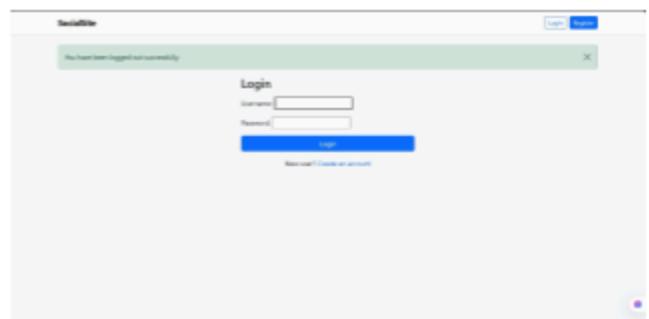
This documentation covers the core functionality and setup of the SocialSite project. It is designed to help developers understand, run, and maintain the system effectively.

## 9. Screenshots (Outputs)

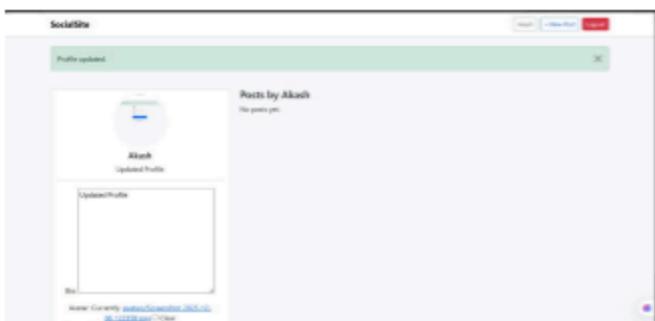
### Registration



### Login



### Profile Section



### Select an Image



### Feed



### Ready to Post



### Feed - Posts , Comments and Content

