MYSORE UNIVERSITY SCHOOL OF ENGINEERING

Manasagangotri campus, Mysuru-570006

(Approved by AICTE, New Delhi)

UNIVERSITY OF MYSORE

Full stack development assignment Report

On

"feedback system"

<u>Submitted By</u>

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Q3. Create a User Feedback System with the following features:

Users should be able to submit feedback using a Django ModelForm.
The form should contain name, email, subject, and message fields.
Implement custom validation to ensure:
The email provided is from a valid domain (e.g., only allow @example.com emails).
The feedback message contains at least 50 characters.
Store the submitted feedback in a database and display all feedback entries on an admin panel.
Use CSRF protection to secure the feedback submission process.

Django Feedback System - Step-by-Step Implementation

Step 1: Create a Django Project

Open a terminal and run:

```
django-admin startproject feedback_project
cd feedback_project
```

Step 2: Create a Django App

Inside the project, create an app called feedback_app:

```
python manage.py startapp feedback_app
python manage.py startapp feedback_app
```

Step 3: Register the App

In feedback_project/settings.py, add feedback_app to INSTALLED_APPS:

```
INSTALLED_APPS = [
'django.contrib.admin',
'django.contrib.auth',
'django.contrib.contenttypes',
'django.contrib.sessions',
'django.contrib.messages',
'django.contrib.staticfiles',
'feedback_app', # Add this line
]
```

Step 4: Define the Feedback Model

Inside feedback_app/models.py, define the Feedback model

Step 5: Apply Migrations

Run:

```
python manage.py makemigrations feedback_app
python manage.py migrate
```

Step 6: Create a Django Form
Inside feedback_app/forms.py

Step 7: Create the Feedback View
Inside feedback_app/views.py

Step 8: Add URL Patterns
Inside feedback_app/urls.py

Step 9: Create a Template Folder
Inside feedback_app, create a folder named templates and add feedback.html and feedback_success.html.

Step 10: Create
feedback.html

Form
Inside feedback_app/templates/feedback.html

Step 11: Create
feedback_success.html

Inside feedback_app/templates/feedback_success.html

Step 12: Register Feedback Model in Admin
Inside feedback_app/admin.py

Run the admin panel:

python manage.py createsuperuser

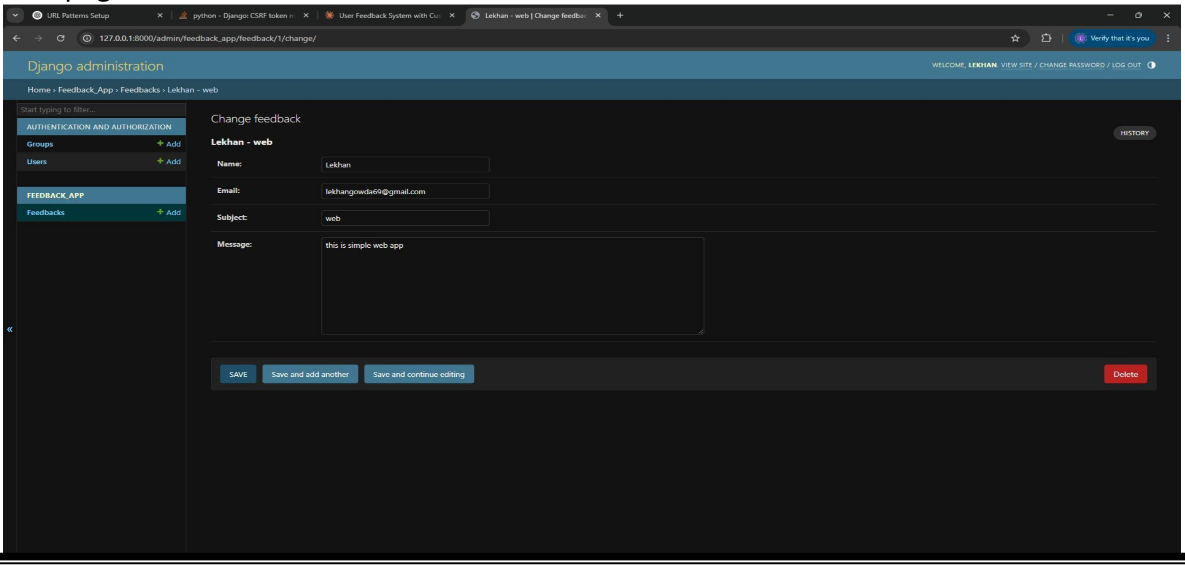
python manage.py runserver

Step 13: Start the Server
python manage.py runserver

Visit:

- **Feedback Page:** http://127.0.0.1:8000/feedback/
- **Success Page:** http://127.0.0.1:8000/feedback/success/IMPLEMENTED Code

WebpageAdmin


URL Patterns Setup
python - Django: CSRF token m
User Feedback System with Cu
Lekhan - web | Change feedbac
Verify that it's you
Django administration
WELCOME, LEKHAN. VIEW SITE / CHANGE PASSWORD / LOG OUT
Home › Feedback_App › Feedbacks › Lekhan - web
Start typing to filter...
AUTHENTICATION AND AUTHORIZATION
Groups + Add
Users + Add
FEEDBACK_APP
Feedbacks + Add
HISTORY
SAVE
Save and add another
Save and continue editing
Delete

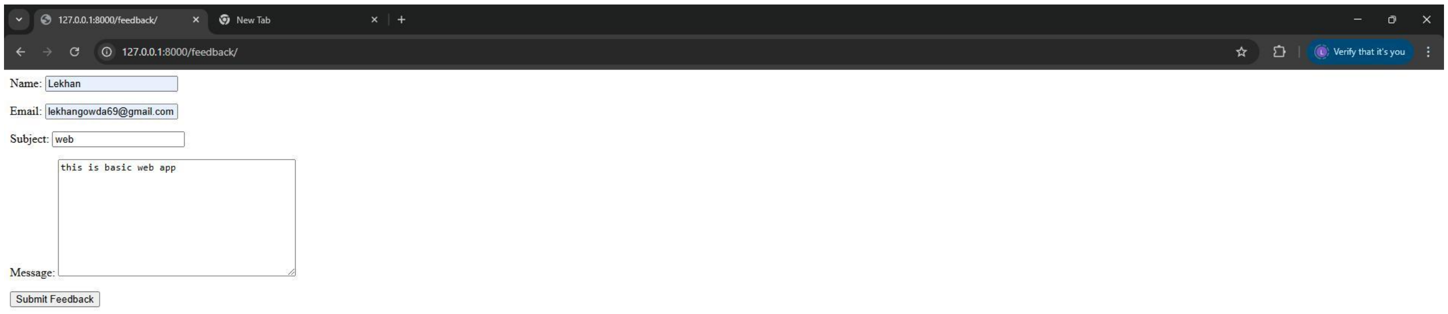
127.0.0.1:8000/admin/feedback_app/feedback/1/change/

Change feedback

Lekhan - web

Name:	Lekhan
Email:	lekhangowda69@gmail.com
Subject:	web
Message:	this is simple web app

Web page



127.0.0.1:8000/feedback/

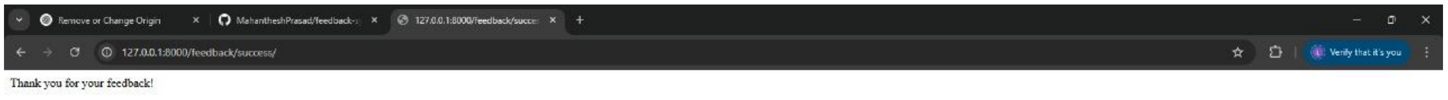
Name: Lekhan

Email: lekhangowda69@gmail.com

Subject: web

Message: this is basic web app

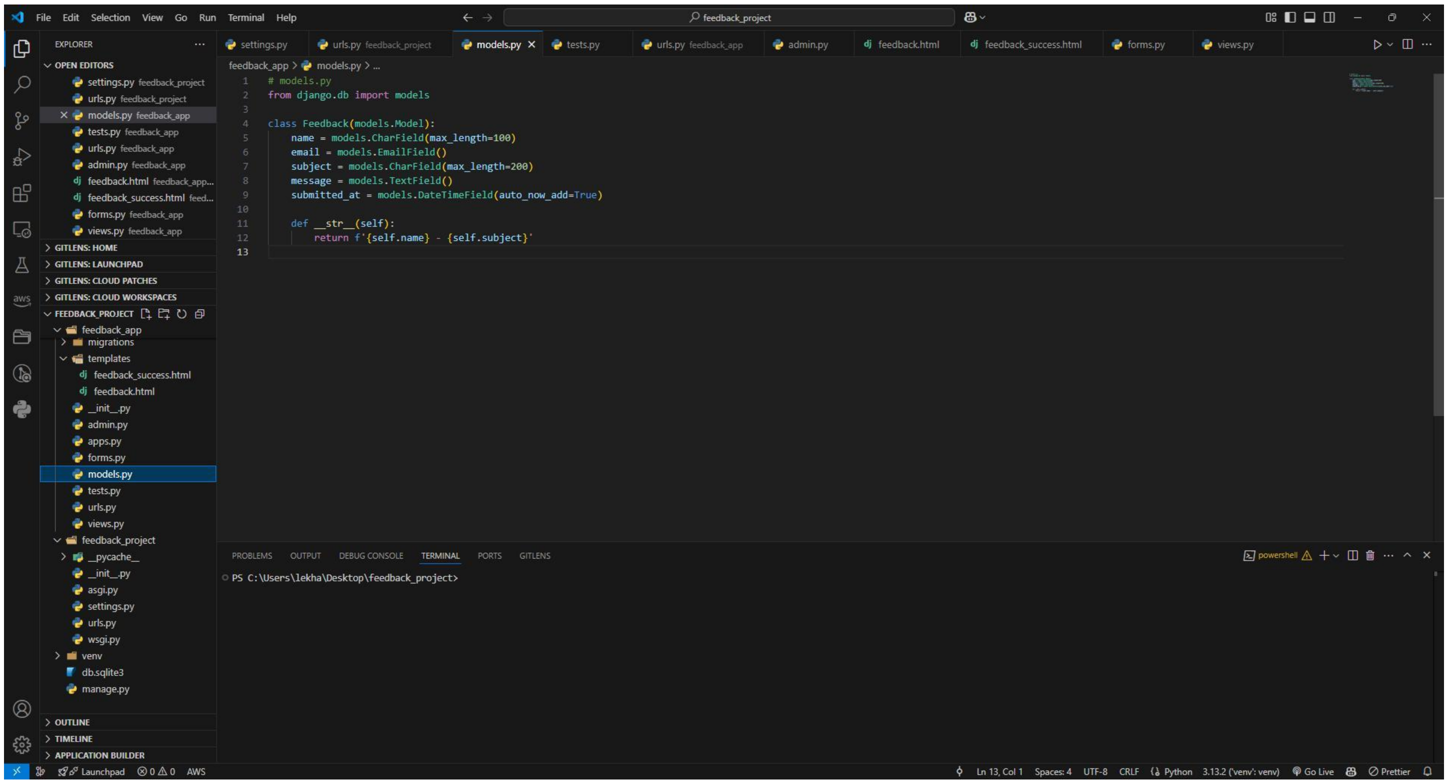
Submit Feedback



127.0.0.1:8000/feedback/success/

Thank you for your feedback!

Implemented code



```python
# models.py
from django.db import models

class Feedback(models.Model):
    name = models.CharField(max_length=100)
    email = models.EmailField()
    subject = models.CharField(max_length=200)
    message = models.TextField()
    submitted_at = models.DateTimeField(auto_now_add=True)

    def __str__(self):
        return f'{self.name} - {self.subject}'

```

```
PS C:\Users\lekha\Desktop\feedback_project>
```