MYSORE UNIVERSITY SCHOOL OF ENGINEERING

Manasagangotri campus, Mysuru-570006
(Approved by AICTE, New Delhi)

UNIVERSITY OF MYSORE

An Assignment(21CD71,FullStack Development) Report

On

"Build an Event Registration System using Django"

Submitted By

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Event Registration

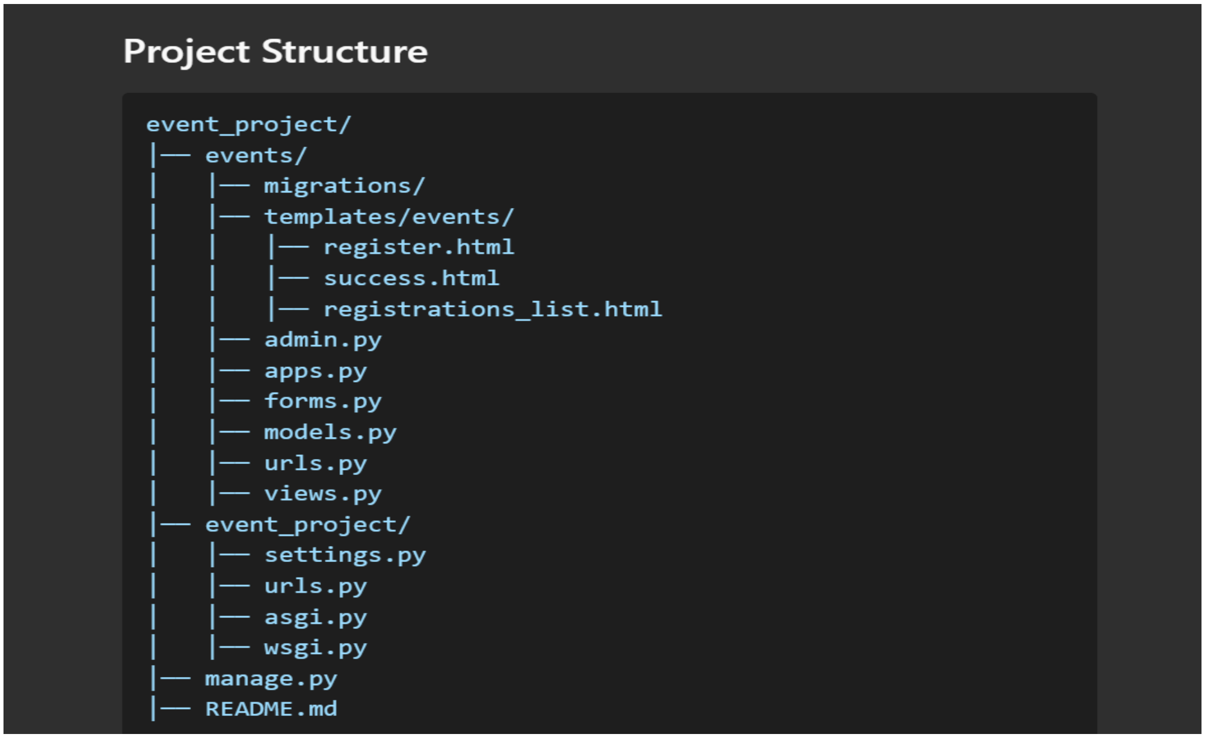
Q2. Build an Event Registration System using Django

- Users can register for events by filling out a form.
- The form should include fields such as **name, email, phone number**, and **event name**.
- Store the registered participants in a database, and use Django Admin to manage event registrations.
- Display the list of registered participants using Django's **ListView**, and allow event organizers (admin) to approve or reject a registration.
- Implement **reverse_lazy()** to redirect users to a success page after submission.

1.Introduction

Event management is key to organizing successful events. This **Django-based Event Registration System** allows users to register by filling out a form with their details. The system stores registrations in a database for easy tracking and management. Event organizers can approve or reject registrations through the **Admin Panel**.

2. Project Structure:

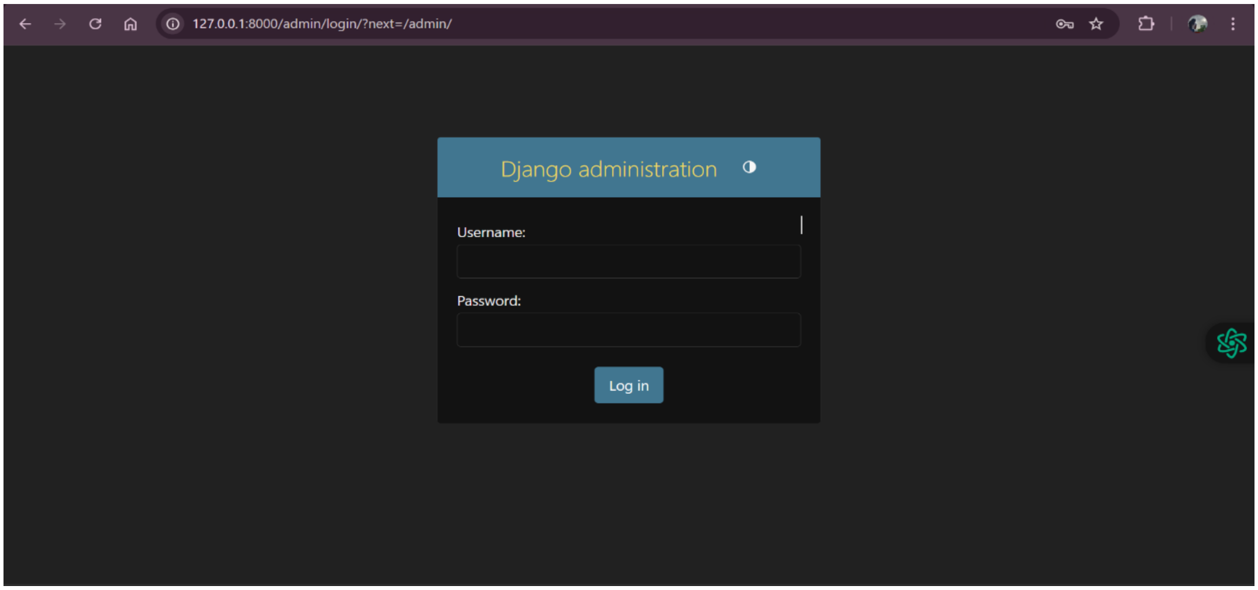


Project Structure

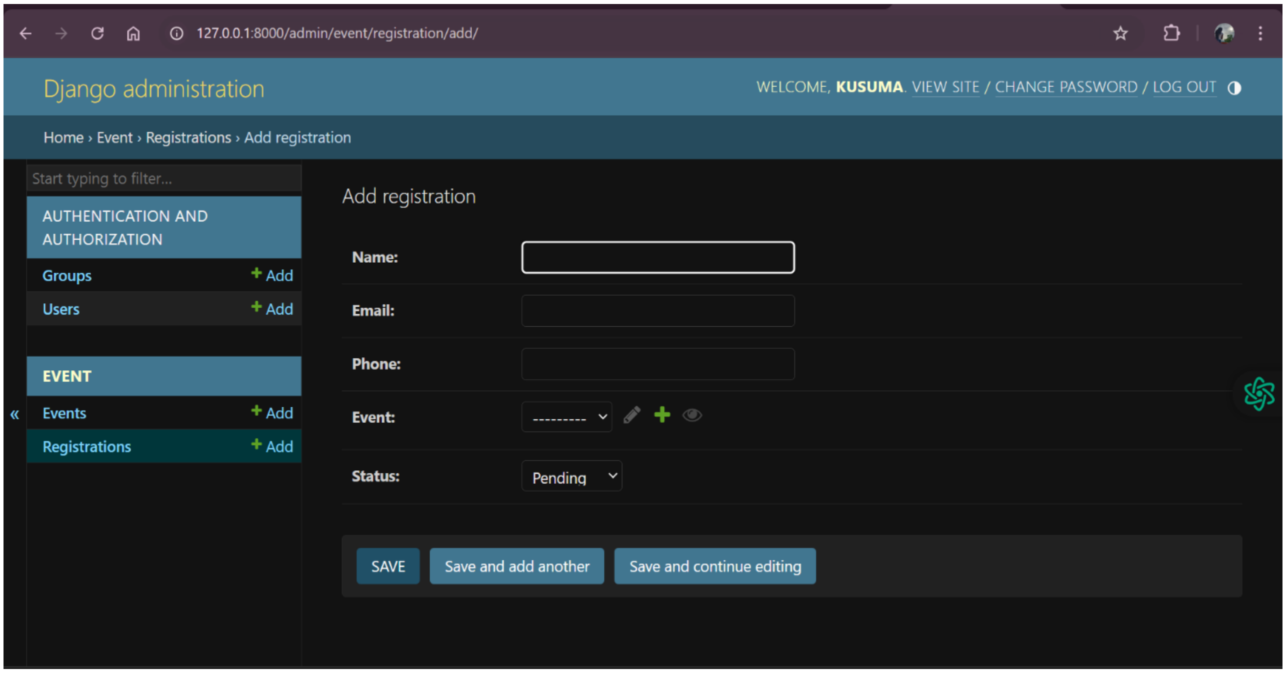
```
event_project/
|── events/
|    |── migrations/
|    |── templates/events/
|    |    |── register.html
|    |    |── success.html
|    |    |── registrations_list.html
|    |── admin.py
|    |── apps.py
|    |── forms.py
|    |── models.py
|    |── urls.py
|    |── views.py
|── event_project/
|    |── settings.py
|    |── urls.py
|    |── asgi.py
|    |── wsgi.py
|── manage.py
|── README.md
```

3. Users can register for events by filling out a form

- Logging page for event registration
  - Username
  - Password



127.0.0.1:8000/admin/login/?next=/admin/


127.0.0.1:8000/admin/event/registration/add/
Django administration
WELCOME, KUSUMA. VIEW SITE / CHANGE PASSWORD / LOG OUT
Home › Event › Registrations › Add registration
Start typing to filter...
AUTHENTICATION AND AUTHORIZATION
Groups + Add
Users + Add
EVENT
Events + Add
Registrations + Add
SAVE
Save and add another
Save and continue editing

Add registration

Name:

Email:

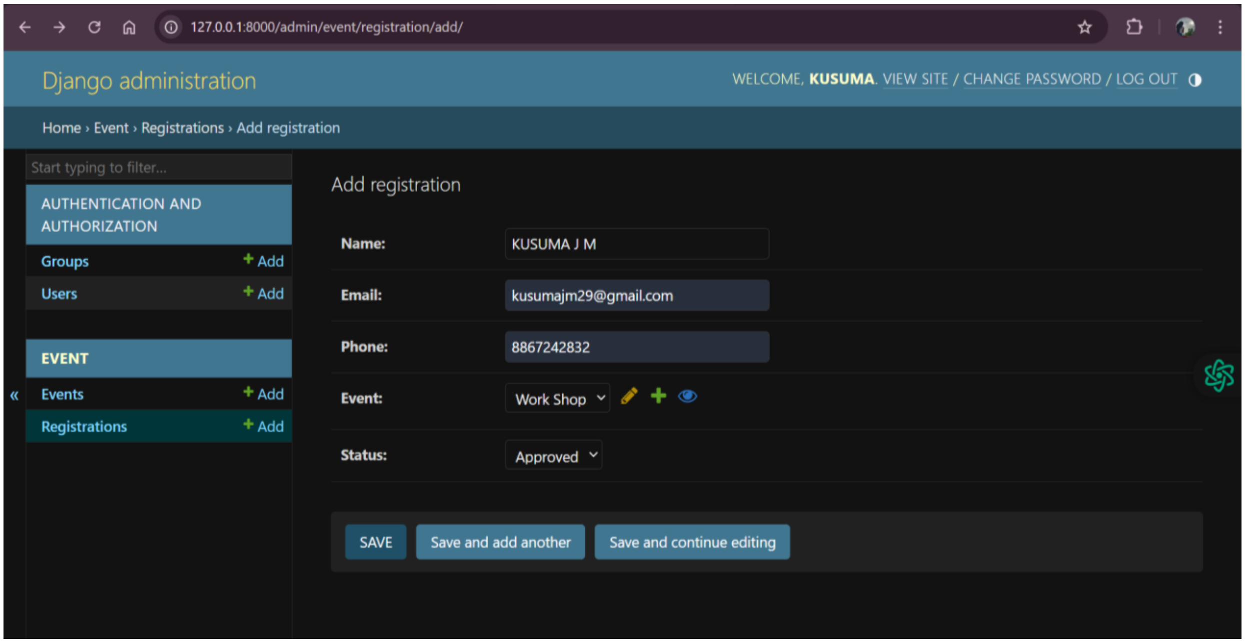
Phone:

Event: ---------

Status: Pending

4.Form Features

- **Event Registration**
  - Name
  - Email
  - Phone number
  - Event name


127.0.0.1:8000/admin/event/registration/add/
Django administration
WELCOME, KUSUMA. VIEW SITE / CHANGE PASSWORD / LOG OUT
Home › Event › Registrations › Add registration
Start typing to filter...
AUTHENTICATION AND AUTHORIZATION
Groups + Add
Users + Add
EVENT
Events + Add
Registrations + Add
SAVE
Save and add another
Save and continue editing

Add registration

Name: KUSUMA J M

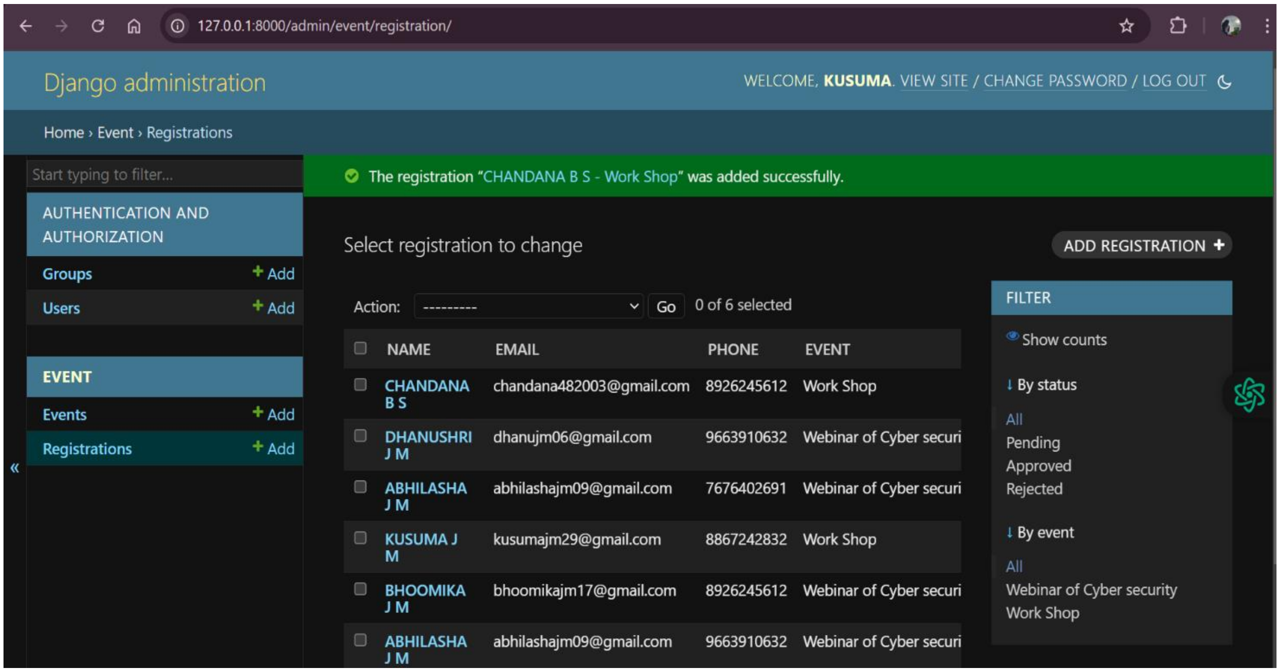
Email: kusumajm29@gmail.com

Phone: 8867242832

Event: Work Shop

Status: Approved

5. Store the registered participants in a database


127.0.0.1:8000/admin/event/registration/
Django administration
WELCOME, KUSUMA. VIEW SITE / CHANGE PASSWORD / LOG OUT
Home › Event › Registrations
Start typing to filter...
AUTHENTICATION AND AUTHORIZATION
Groups + Add
Users + Add
EVENT
Events + Add
Registrations + Add
ADD REGISTRATION +
Action: --------- Go
FILTER
Show counts
↓ By status
All
Pending
Approved
Rejected
↓ By event
All
Webinar of Cyber security
Work Shop

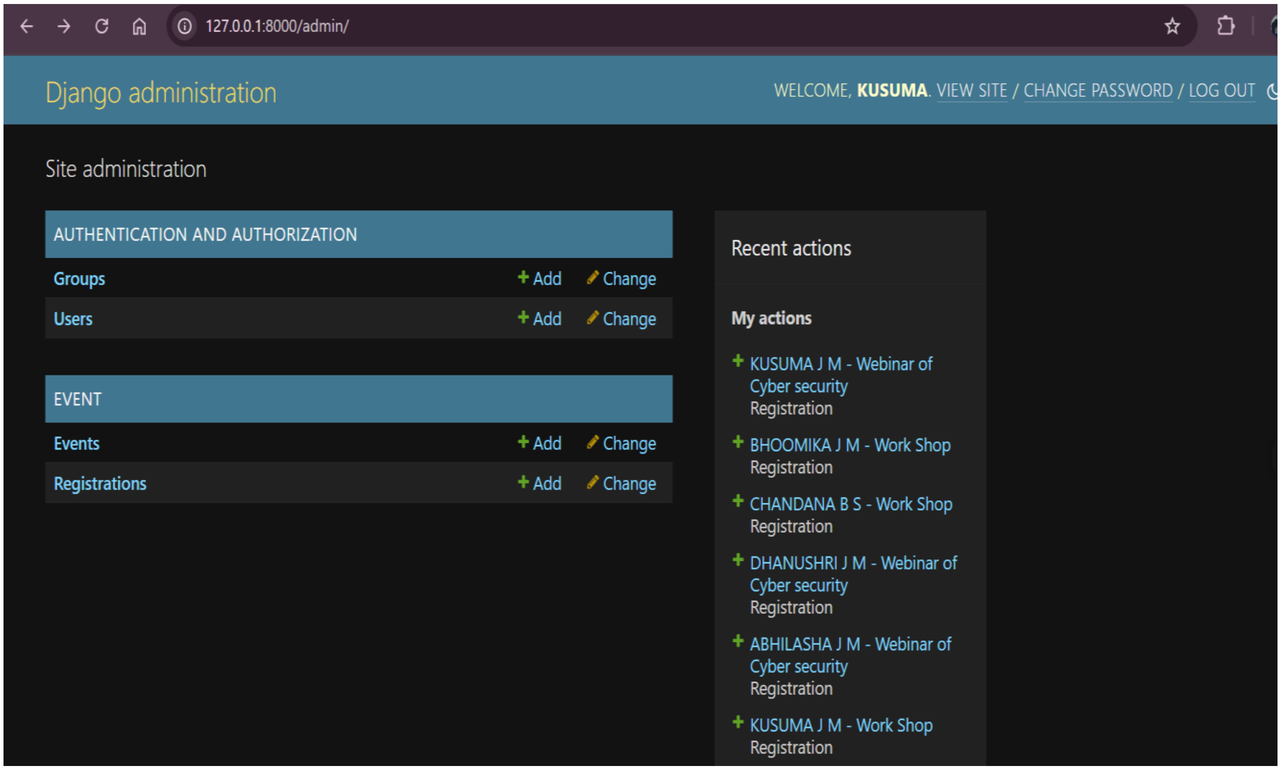
The registration “CHANDANA B S - Work Shop” was added successfully.

Select registration to change

0 of 6 selected

□	NAME	EMAIL	PHONE	EVENT
□	CHANDANA B S	chandana482003@gmail.com	8926245612	Work Shop
□	DHANUSHRI J M	dhanujm06@gmail.com	9663910632	Webinar of Cyber securi
□	ABHILASHA J M	abhilashajm09@gmail.com	7676402691	Webinar of Cyber securi
□	KUSUMA J M	kusumajm29@gmail.com	8867242832	Work Shop
□	BHOOMIKA J M	bhoomikajm17@gmail.com	8926245612	Webinar of Cyber securi
□	ABHILASHA J M	abhilashajm09@gmail.com	9663910632	Webinar of Cyber securi

6. Display the list of registered participants and allow event organizers (admin) to approve or reject a registration.

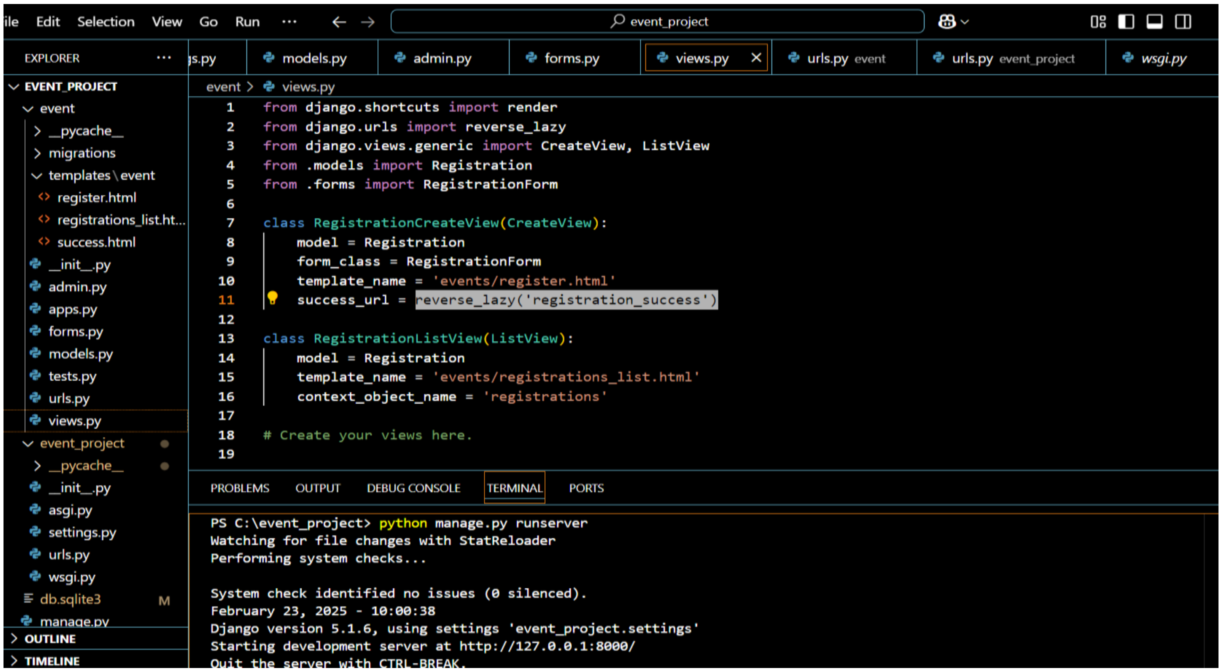


Recent actions

My actions

- KUSUMA J M - Webinar of Cyber security
  Registration
- BHOOMIKA J M - Work Shop
  Registration
- CHANDANA B S - Work Shop
  Registration
- DHANUSHRI J M - Webinar of Cyber security
  Registration
- ABHILASHA J M - Webinar of Cyber security
  Registration
- KUSUMA J M - Work Shop
  Registration

7. Implement reverse_lazy() to redirect users to a success page after submission.



```python
from django.shortcuts import render
from django.urls import reverse_lazy
from django.views.generic import CreateView, ListView
from .models import Registration
from .forms import RegistrationForm

class RegistrationCreateView(CreateView):
    model = Registration
    form_class = RegistrationForm
    template_name = 'events/register.html'
    success_url = reverse_lazy('registration_success')

class RegistrationListView(ListView):
    model = Registration
    template_name = 'events/registrations_list.html'
    context_object_name = 'registrations'

# Create your views here.
```

```
PS C:\event_project> python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
February 23, 2025 - 10:00:38
Django version 5.1.6, using settings 'event_project.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
```

8. Conclusion

- The Event Registration System simplifies the event management process by allowing users to register easily.
- Admins have full control over the registrations, ensuring only approved participants are allowed.
- The project follows best practices in Django development, making it scalable and maintainable.
- This system can be extended with additional features like email notifications, payment integrations, or multi-event support.

9. Github Repo Link

https://github.com/Kusumajm29/Event_Registrations