Django Admin Panel

Django Admin panel

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Django Admin Panel

➤ Terminal may not be the best way to manage data.

➤ You need to provide them an interface which can be use to manage content on the website.

➤ Django provides an module called "The Django Admin" interface which can be used by site admins to manage content across the website.

➤ You can access it via <site-domain>/admin.

Django Admin Panel

➤ Django was initially written for a news website.

➤ Django solves the problem of creating a unified interface for site administrators to edit content.

➤ The admin isn't intended to be used by site visitors. It's for site managers.

➤ The inbuilt Django admin interface saves a lot of development efforts.

views.py   index.html   models.py   **urls.py** *jobapp* ✕   job_detail.html   urls.py *app*

jobapp > urls.py > ...

```
16    from django.contrib import admin
17    from django.urls import path, include
18
19
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   **TERMINAL**   JUPYTER

```
    Apply all migrations: admin, app, auth, contenttypes, sessions
Running migrations:
    Applying app.0004_alter_jobpost_slug... OK
(env) PS C:\Users\FAISAL\Desktop\Django\jobapp> python manage.py createsuperuser
Username (leave blank to use 'faisal'):
Email address:
Password:
Password (again):
This password is too short. It must contain at least 8 characters.
This password is too common.
This password is entirely numeric.
Bypass password validation and create user anyway? [y/N]:
```

python
python
python

python-django-4-1500-deleting-data-from-the-database   ⊗ 0 ⚠ 0   Ln 21, Col 37   Spaces: 4   UTF-8   CRLF   Python   3.10.5 ('env': venv)

127.0.0.1:8000 | Sixth job post | Change job post | Amazon Basics Extra Thick Exerci | sql - How to create a trigger whe | Django Utils | Django documenti | +

127.0.0.1:8000/admin/app/jobpost/9/change/

Incognito

Django administration

Home › App › Job posts › Sixth job post

Start typing to filter...

APP

Job posts   + Add

AUTHENTICATION AND AUTHORIZATION

Groups   + Add

Users   + Add

«

Change job post

HISTORY

Sixth job post

Title: Sixth job post

Description: Example description for sixth job

Salary: 150000

Slug: sixth-job-post

Delete   Save and add another   Save and continue editing   SAVE

Customizing List Page

➢ Change the way records are being displayed.

➢ Better control over filters.

➢ Customize the options that are displayed in actions menu.

Customizing Detail Page

➤ Customize and have control on what is being displayed.

➤ When working with multiple models, admin interface allows you to show related records along inline right in the form.

Django administration

Home › App › Job posts

Start typing to filter...

APP

Job posts	+ Add

AUTHENTICATION AND AUTHORIZATION

Groups	+ Add
Users	+ Add

«

Select job post to change

ADD JOB POST +

Action: [---------- ▾] [Go]   0 of 6 selected

☐	JOB POST	TITLE	SALARY	DATE
☐	Sixth job post with salary 150000	Sixth job post	150000	June 14, 2022, 3:05 p.m.
☐	Fifth job post with salary 10000	Fifth job post	10000	June 14, 2022, 12:59 p.m.
☐	Fourth job post with salary 1000	Fourth job post	1000	June 14, 2022, 7 a.m.
☐	Third job post with salary 1000	Third job post	1000	June 14, 2022, 5:06 a.m.
☐	Second job post with salary 4000	Second job post	4000	June 13, 2022, 7:20 p.m.
☐	First job post	First job	5000	June 13, 2022, 7:18 p.m.

FILTER

By date

Any date
Today
Past 7 days
This month
This year

By salary

All
1000
4000
5000
10000
150000

By expiry

Any date

Django administration

WELCOME, **FAISAL**. VIEW SITE / CHANGE PASSWORD / LOG OUT

Home › App › Job posts

Start typing to filter...

APP

Job posts   **+ Add**

AUTHENTICATION AND AUTHORIZATION

Groups   **+ Add**

Users   **+ Add**

Select job post to change

ADD JOB POST +

🔍 | Fifth   Search   1 result

(6 total)

Action: --------- ⌄   Go   0 of 1 selected

☐	JOB POST	TITLE	SALARY	DATE
☐	**Fifth job post with salary 10000**	Fifth job post	10000	June 14, 2022, 12:59 p.m.

1 job post

FILTER

By date

Any date
Today
Past 7 days
This month
This year

By salary

All
1000
4000
5000
10000
150000

By expiry

Any date

Django administration

Home › App › Job posts › Sixth job post with salary 150000

Start typing to filter…

APP

| Job posts | ✚ Add |

AUTHENTICATION AND AUTHORIZATION

| Groups | ✚ Add |
| Users | ✚ Add |

Change job post

HISTORY

Sixth job post with salary 150000

Title: Sixth job post

Description: Example description for sixth job

Delete   Save and add another   Save and continue editing   SAVE

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127.0.0.1:8000/admin/app/jobpost/9/change/

Home › App › Job posts › Sixth job post with salary 150000

Start typing to filter...

APP

Job posts   + Add

AUTHENTICATION AND AUTHORIZATION

Groups   + Add

Users   + Add

Change job post

HISTORY

Sixth job post with salary 150000

Basic information

Title: Sixth job post

Description: Example description for sixth job

More information

Expiry: Today | 🗓   Salary: 150000

Note: You are 5.5 hours ahead of

server time.

Slug: sixth-job-post

Delete   Save and add another   Save and continue editing   SAVE

127.0.0.1:8000   × | Sixth job post with salary 150000   × | Amazon Basics Extra Thick Exerci   × | sql - How to create a trigger whe   × | Django Utils | Django documenta   × | +

← → C ⌂ | ⓘ 127.0.0.1:8000/admin/app/jobpost/9/change/   ⊕ ☆ | 🔲 🔲 ⬤ Incognito :

Django administration

Home › App › Job posts › Sixth job post with salary 150000

Start typing to filter...

APP

Job posts   **+ Add**

AUTHENTICATION AND AUTHORIZATION

Groups   **+ Add**

Users   **+ Add**

«

Change job post

HISTORY

Sixth job post with salary 150000

Basic information

Title: | Sixth job post |

Description: | Example description for sixth job |

More information (Show)

| Delete | | Save and add another | Save and continue editing | SAVE |

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127.0.0.1:8000/admin/app/jobpost/9/change/#

Enabling models in Admin panel

```python
from app.models import JobPost

# Register your models here.
admin.site.register(JobPost)
```

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Create superuser

```
python manage.py createsuperuser
```

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admin.py

```python
from django.contrib import admin
from app.models import JobPost


# Register your models here.
admin.site.register(JobPost)
```

admin.py

```python
from django.contrib import admin
from app.models import JobPost


class JobAdmin(admin.ModelAdmin):
    pass


# Register your models here.
admin.site.register(JobPost, JobAdmin)
```

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models.py

```python
class JobAdmin(admin.ModelAdmin):
    list_display = ('title', 'salary', 'date')
    list_filter = ('date', 'salary','expiry')
    search_fields= ['title','description']
    search_help_text = "Write in your query and hit enter"
```

Control what is displayed using fields option

```python
fields = ("title", "description")
```

Group similar fields

```python
fields = (("title", "description"),"expiry")
```

Using fieldsets

```
fieldsets = (
        (<section name here>, {
            'fields': ('field 1, 'field 2)
        }),
        )
```

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