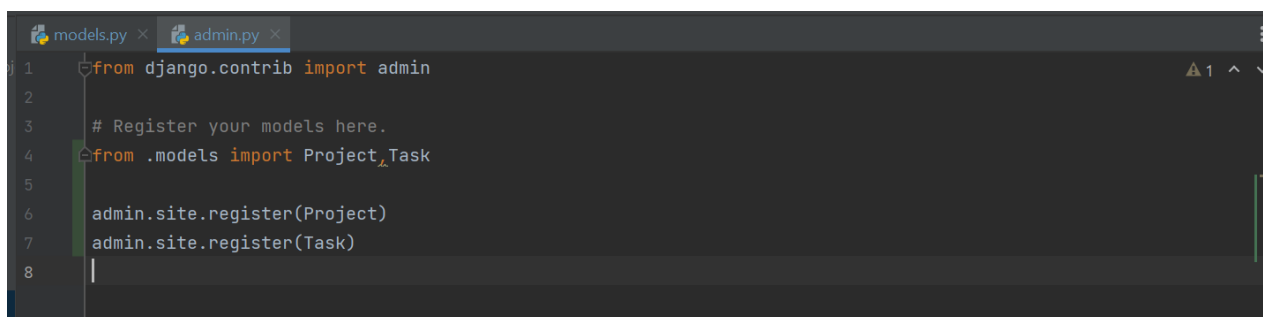


1- Create a super user



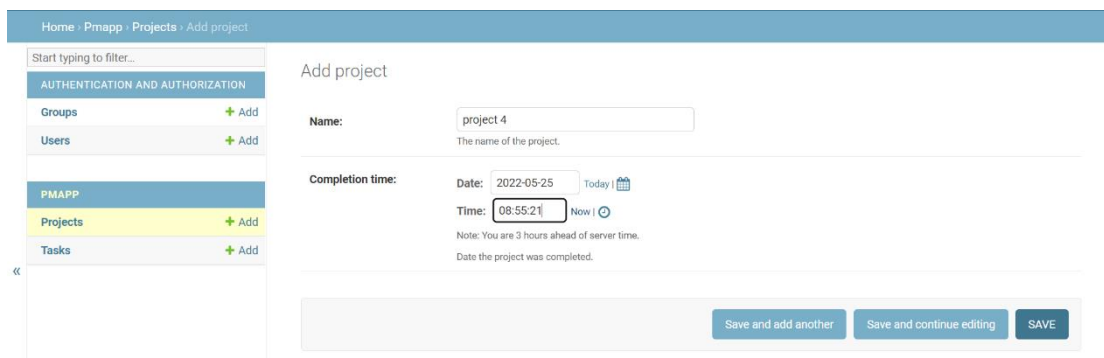
```
Terminal: Local x + v
PS C:\Users\hp\PycharmProjects\PMProject\Django_HW_2> cd PMProject
PS C:\Users\hp\PycharmProjects\PMProject\Django_HW_2\PMProject> python manage.py createsuperuser
Username (leave blank to use 'hp'): wafa
Email address: wafa.alrizqi@gmail.com
Password:
Password (again):
Superuser created successfully.
PS C:\Users\hp\PycharmProjects\PMProject\Django_HW_2\PMProject>
```

2- Register your models on admin page



```
models.py x admin.py x
1 from django.contrib import admin
2
3 # Register your models here.
4 from .models import Project, Task
5
6 admin.site.register(Project)
7 admin.site.register(Task)
8
```

3- Add data in your database through admin page.



Home > Pmapp > Projects > Add project

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

- Groups + Add
- Users + Add

PMAPP

- Projects + Add
- Tasks + Add

Add project

Name:
The name of the project.

Completion time:

Date: Today |

Time: Now |

Note: You are 3 hours ahead of server time.
Date the project was completed.

4- Add group.

The screenshot shows the Django Admin interface for adding a new group. On the left is a sidebar menu with categories: AUTHENTICATION AND AUTHORIZATION (containing Groups and Users), PMAPP (containing Projects and Tasks), and a back arrow. The main content area is titled 'Add group' and includes a 'Name:' field. Below this is a 'Permissions:' section with two panels: 'Available permissions' and 'Chosen permissions'. The 'Available permissions' panel has a search bar with 'view group' entered and a list of permissions below. The 'Chosen permissions' panel shows a list of selected permissions: 'PMAApp | project | Can view project', 'PMAApp | task | Can view task', and 'auth | group | Can view group'. At the bottom of each panel are 'Choose all' and 'Remove all' buttons.

5- Add a user belong to the above group and give him specific permissions.

The screenshot shows the Django Admin interface for adding a new user. The sidebar menu is the same as in the previous screenshot. The main content area is titled 'Add user' and includes a 'Username' field. Below this is a 'Groups:' section with two panels: 'Available groups' and 'Chosen groups'. The 'Available groups' panel has a search bar with 'Group' entered and a list of groups below. The 'Chosen groups' panel is empty. At the bottom of each panel are 'Choose all' and 'Remove all' buttons. Below the 'Groups' section, there are two checkboxes: 'Staff status' (checked) and 'Superuser status' (unchecked). Below these are two paragraphs of text explaining the status options. At the bottom of the page, there is a small note: 'The groups this user belongs to. A user will get all permissions granted to each of their groups. Hold down "Control", or "Command" on a Mac, to select more than one.'

6- Customize admin page using list_display.

7- Customize admin page using list_filter.

```
1 from django.contrib import admin
2
3 # Register your models here.
4 from .models import Project, Task
5
6
7 class ProjectAdmin(admin.ModelAdmin):
8     list_display = ('name', 'creation_time', 'completion_time')
9     list_filter = ('name',)
10
11
12 class TaskAdmin(admin.ModelAdmin):
13     list_display = ('title', 'description', 'time_estimate', 'completed', 'project')
14     list_filter = ('project',)
15
16
17 admin.site.register(Project, ProjectAdmin)
18 admin.site.register(Task, TaskAdmin)
19
```

Home > Pmapp > Projects

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups + Add

Users + Add

PMAPP

Projects + Add

Tasks + Add

«

Select project to change

ADD PROJECT +

Action: Go 0 of 1 selected

<input type="checkbox"/>	NAME	CREATION TIME	COMPLETION TIME
<input type="checkbox"/>	project 1	May 24, 2022, 10:47 a.m.	May 24, 2022, midnight

1 project

FILTER

Clear all filters

By name

All

project 1

project 2

project 3

project 4

Home > Pmapp > Tasks

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups + Add

Users + Add

PMAPP

Projects + Add

Tasks + Add

«

Select task to change

ADD TASK +

Action: Go 0 of 2 selected

<input type="checkbox"/>	TITLE	DESCRIPTION	TIME ESTIMATE	COMPLETED	PROJECT
<input type="checkbox"/>	task 2	description of task	1	✓	project 2
<input type="checkbox"/>	task 1	description of task 1	12	✗	project 2

2 tasks

FILTER

Clear all filters

By project

All

project 1

project 2

project 3

project 4

8- Customize admin page using date_hierarchy.

9- Customize admin page using search_fields

```

1 from django.contrib import admin
2
3 # Register your models here.
4 from .models import Project, Task
5
6
7 class ProjectAdmin(admin.ModelAdmin):
8     list_display = ('name', 'creation_time', 'completion_time')
9     list_filter = ('name',)
10    search_fields = ('creation_time',)
11    date_hierarchy = 'creation_time'
12
13
14 class TaskAdmin(admin.ModelAdmin):
15     list_display = ('title', 'description', 'time_estimate', 'completed', 'project')
16     list_filter = ('project',)
17     search_fields = ('title',)
18
19
20 admin.site.register(Project, ProjectAdmin)
21 admin.site.register(Task, TaskAdmin)
22

```

Home > Pmapp > Projects

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups + Add

Users + Add

PMAPP

Projects + Add

Tasks + Add

«

Select project to change

ADD PROJECT +

Q Search

2022 May 24 May 25

Action: Go 0 of 4 selected

<input type="checkbox"/>	NAME	CREATION TIME	COMPLETION TIME
<input type="checkbox"/>	project 4	May 25, 2022, 8:56 a.m.	May 25, 2022, 8:55 a.m.
<input type="checkbox"/>	project 3	May 24, 2022, 12:06 p.m.	May 24, 2022, midnight
<input type="checkbox"/>	project 2	May 24, 2022, 10:47 a.m.	May 24, 2022, midnight
<input type="checkbox"/>	project 1	May 24, 2022, 10:47 a.m.	May 24, 2022, midnight

4 projects

FILTER

By name

All

project 1

project 2

project 3

project 4