

DJANGO PROJECT

HOUSE HOLD MANAGEMENT SYSTEM

TASK: DATABASE AND ADMIN INTERFACE

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Git repository: <https://github.com/garbinscaria23/house-hold-manegement.git>

DATABASE

Here I used database as Django inbuilt database sql lite

MODELS.PY

Model.py is the file that we are put the database tables in classes

In my project I paste my code in models.py as follows:

```
from django.db import models

# Create your models here.

class job(models.Model):
    name=models.CharField(max_length=50,blank=True,null=True)

    def __str__(self):
        return self.name

class employee(models.Model):
    emp_name=models.CharField(max_length=50,blank=True,null=True)
    password=models.CharField(max_length=8,blank=True,null=True)
    age=models.IntegerField(blank=True,null=True)
    phone=models.IntegerField(blank=True,null=True)
    email=models.CharField(max_length=50,blank=True,null=True)
    image=models.ImageField(upload_to='uploads/employee/')
    def __str__(self):
        return self.emp_name

class user(models.Model):
    user_name=models.CharField(max_length=50,blank=True,null=True)
    password=models.CharField(max_length=8,blank=True,null=True)
    age=models.IntegerField(blank=True,null=True)
    phone=models.IntegerField(blank=True,null=True)
    email=models.CharField(max_length=50,blank=True,null=True)
    image=models.ImageField(upload_to='uploads/employee/')
    def __str__(self):
```

```

        return self.user_name

class work(models.Model):
    name =models.ForeignKey(job, on_delete=models.CASCADE, blank=True)
    emp_name=models.ForeignKey(employee, on_delete=models.CASCADE, blank=True)
    sheet=models.IntegerField(blank=False,null=True)
    pipe=models.IntegerField(blank=True,null=True)
    other_meterial=models.CharField(max_length=50,blank=True,null=True)
    estimated_quantity=models.IntegerField(default='0',blank=True,null=True)
    purchased_quantity=models.CharField(max_length=50,blank=True,null=True)
    purchased_shop=models.CharField(max_length=50,blank=True,null=True)
    phone_number=models.IntegerField(blank=True,null=True)
    name_of_employees=models.CharField(max_length=50,blank=True,null=True)
    no_of_employees=models.IntegerField(blank=True,null=True)
    workstart=models.DateTimeField(auto_now_add=False,auto_now=True)
    timestamp=models.DateTimeField(auto_now_add=True,auto_now=False)
    #date=models.DateTimeField(auto_now_add=False,auto_now=False)

    def __str__(self):
        return self.emp_name

```

in here I have 4 tables in my databases they are:

- 1.job
- 2.employee
- 3.user
- 4.work

ADMIN

Admin is the super user in the project .so the admin can have the access to the full project

He can modify or manipulate the project

In Django the admin can have separate file called admin.py

In my project I paste the code of admin.py file as follows:

```
from django.contrib import admin

from .models import *

class StockCreateAdmin(admin.ModelAdmin):
    list_display=['job','employee','work','user']

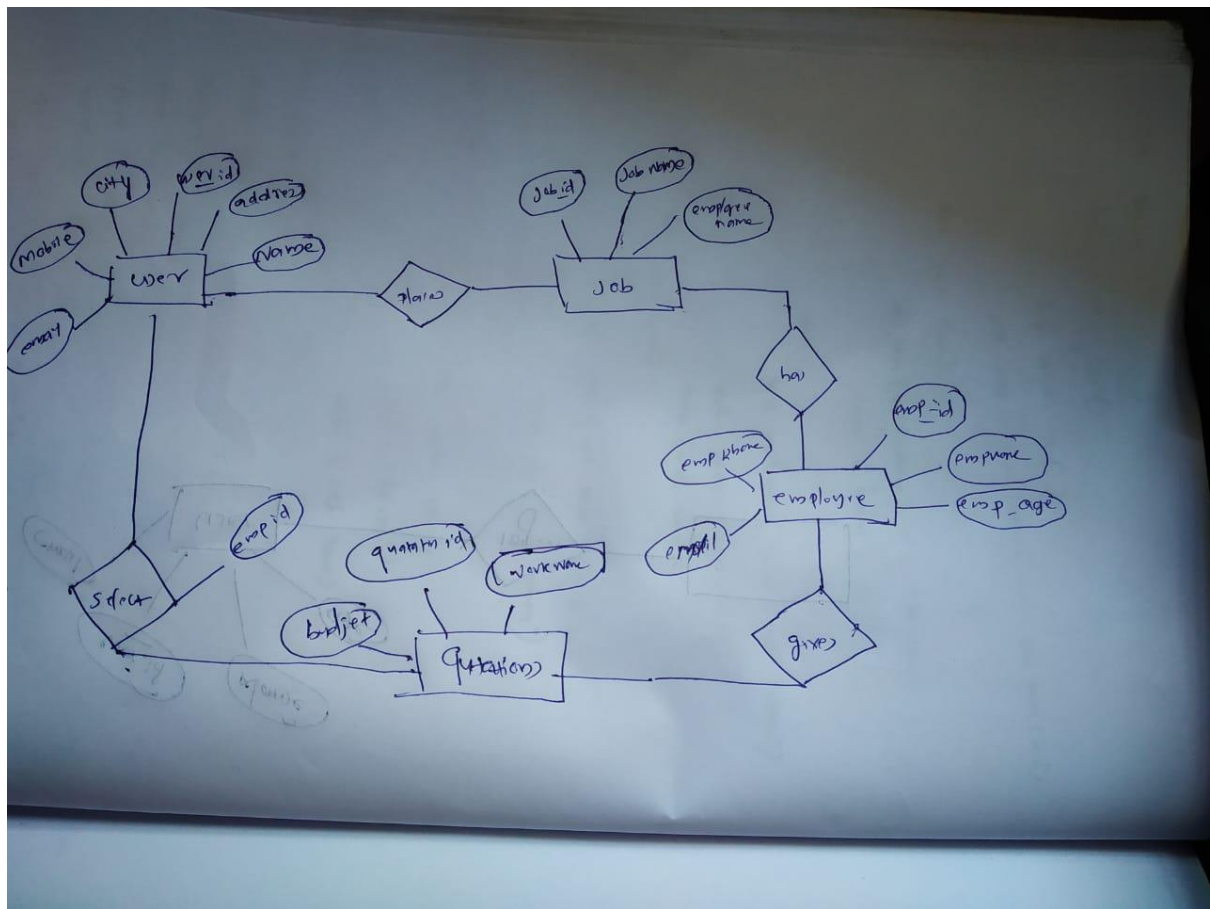
admin.site.register(job)
admin.site.register(employee)
admin.site.register(work)
admin.site.register(user)
```

here I register the model classes into admin.py

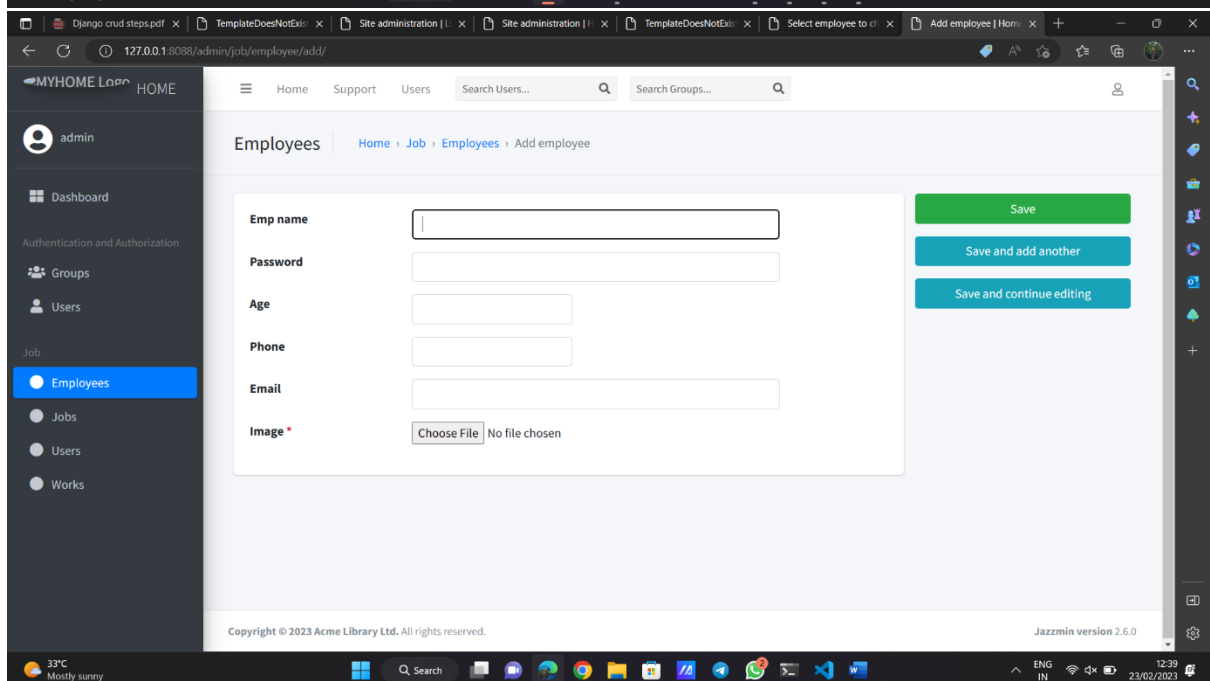
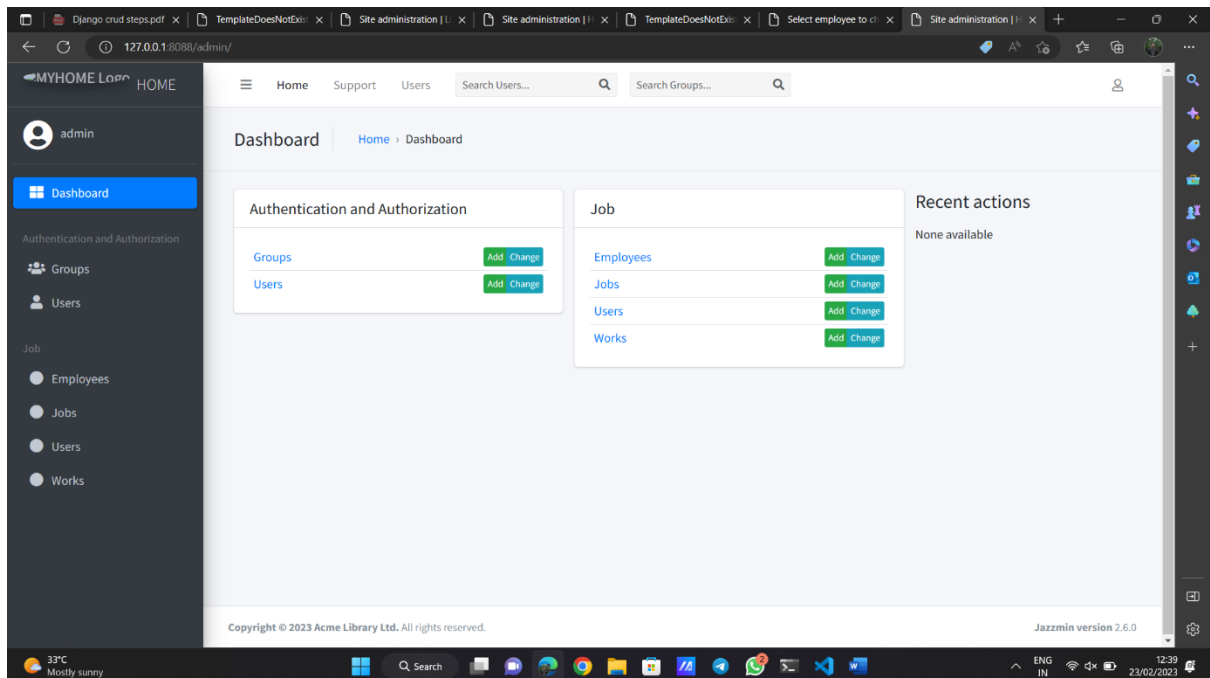
here I was customizes the admin interfaces by installing an package called jazzmin

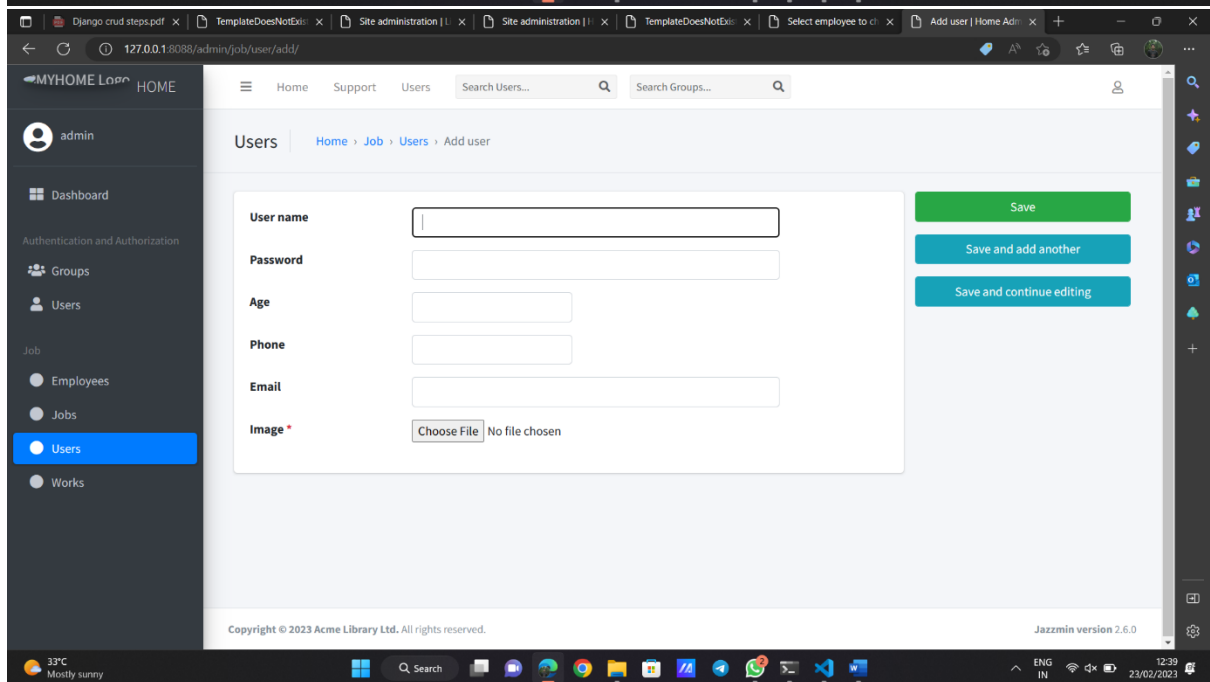
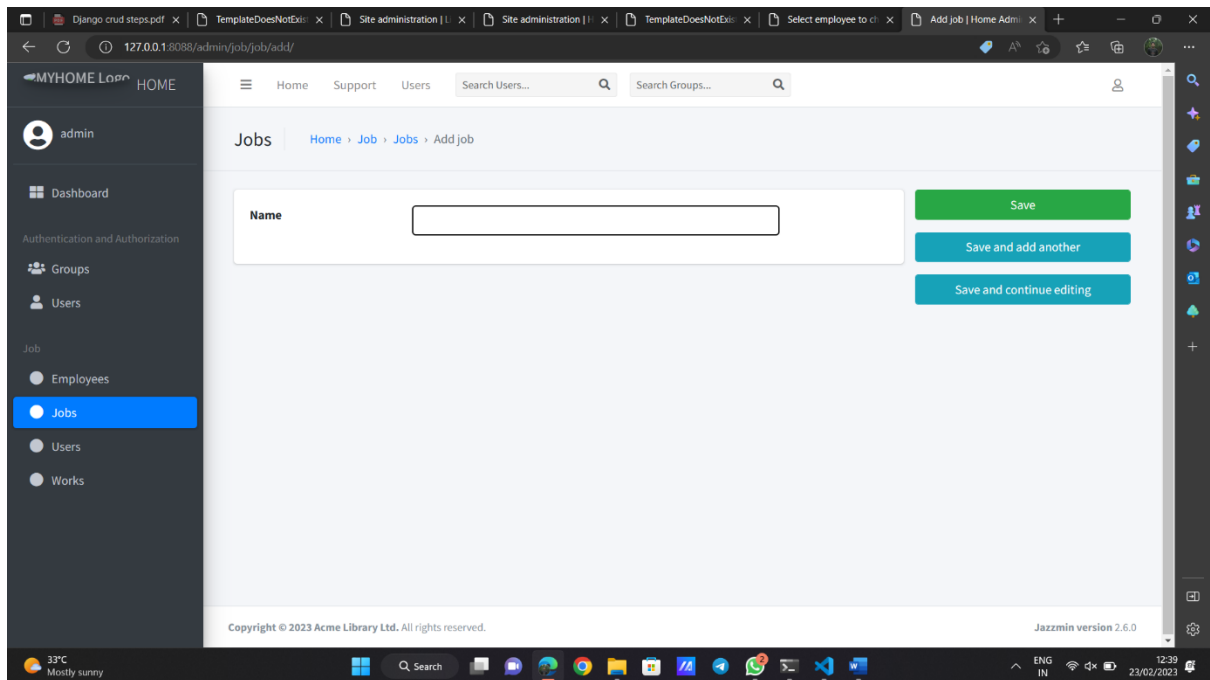
it give as an admin dashboard .

ER-DIAGRAM



ADMIN INTERFACE





MYHOME Logo HOME

admin

Dashboard

Authentication and Authorization

Groups

Users

Job

Employees

Jobs

Users

Works

Home Support Users Search Users... Search Groups...

Works Home > Job > Works Add work

Name

Emp name

Sheet *

Pipe

Other material

Estimated quantity

Purchased quantity

Purchased shop

Phone number

Name of employees

No of employees

Save

Save and add another

Save and continue editing

33°C Mostly sunny

MYHOME Logo HOME

admin

Dashboard

Authentication and Authorization

Groups

Users

Job

Employees

Jobs

Users

Works

Home Support Users Search Users... Search Groups...

Groups Home > Authentication and Authorization > Groups Add group

Name *

Permissions

Available permissions

Chosen permissions

Filter

admin | log entry | Can add lo

admin | log entry | Can chang

admin | log entry | Can delete

admin | log entry | Can view lc

auth | group | Can add group

auth | group | Can change gro

auth | group | Can delete grou

auth | group | Can view group

auth | permission | Can add p

auth | permission | Can chang

auth | permission | Can delete

Choose all

Remove all

Save

Save and add another

Save and continue editing

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MYHOME Logo

HOME

admin

Dashboard

Authentication and Authorization

Groups

Users

Job

Employees

Jobs

Users

Works

HomeSupportUsers

Search Users...Search Groups...

Users

Home > Authentication and Authorization > Users

Add user

staff statussuperuser statusactive

Search

Go0 of 1 selected

	Username	Email address	First name	Last name	Staff status
<input type="checkbox"/>	admin				

1 user

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Search

ENG
IN

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