<!DOCTYPE html>  
<html>  
<head>  
<title>Dashboard</title>  
</head>  
<body>  
<h1>Welcome to the Dashboard</h1>  
{% if user.is\_authenticated %}  
{% if user.is\_superuser %}  
<h2>Superadmin Actions:</h2>  
<!-- Add admin and user forms here -->  
{% endif %}  
<h2>User Actions:</h2>  
<!-- Add data entry form and delete functionality here -->  
<h2>Filter Data:</h2>  
<!-- Add filter options here -->  
{% else %}  
<h2>Please sign in to access the dashboard.</h2>  
<!-- Add sign-in form here -->  
{% endif %}  
</body>  
</html>  
  
from django.shortcuts import render, redirect  
from django.contrib.auth import authenticate, login, logout  
from django.contrib.auth.decorators import login\_required  
from django.contrib.admin.views.decorators import staff\_member\_required  
def sign\_in(request):  
if request.method == 'POST':  
username = request.POST['username']  
password = request.POST['password']  
user = authenticate(request, username=username, password=password)  
if user is not None:  
login(request, user)  
return redirect('dashboard')  
else:  
return render(request, 'sign\_in.html', {'error\_message': 'Invalid credentials'})  
else:  
return render(request, 'sign\_in.html')  
  
def sign\_out(request):  
logout(request)  
return redirect('dashboard')  
  
@login\_required  
def dashboard(request):  
user = request.user  
return render(request, 'dashboard.html', {'user': user})  
  
@staff\_member\_required  
def add\_admin(request):  
if request.method == 'POST':  
# Add admin functionality  
pass  
else:  
return render(request, 'add\_admin.html')  
  
@staff\_member\_required  
def add\_user(request):  
if request.method == 'POST':  
# Add user functionality  
pass  
else:  
return render(request, 'add\_user.html')  
  
@login\_required  
def add\_data(request):  
if request.method == 'POST':  
# Add data entry functionality  
pass  
else:  
return render(request, 'add\_data.html')  
  
@login\_required  
def delete\_data(request):  
if request.method == 'POST':  
# Delete data functionality  
pass  
else:  
return render(request, 'delete\_data.html')  
```  
  
# In this code, I've added the `sign\_in` and `sign\_out` functions for user authentication. The `authenticate` function is used to verify the user's credentials, and if they are valid, the user is logged in using the `login` function.

DATABASES = {  
'default': {  
'ENGINE': 'django.db.backends.sqlite3',  
'NAME': BASE\_DIR / 'db.sqlite3',  
}  
}  
  
  
from django.db import models  
from django.contrib.auth.models import AbstractUser  
  
class User(AbstractUser):  
email = models.EmailField(unique=True)