Отчет по РК № 2 по курсу "Разработка Интернет-Приложений"

Выполнил: Студент группы

ИУ5-55Б

Зубарева А. М.

Задание:

- 1. «Музыкант» и «Оркестр» связаны соотношением один-ко-многим. Выведите список всех Музыкантов, у которых фамилия заканчивается на «ов», и названия их Оркестров.
- 2. «Музыкант» и «Оркестр» связаны соотношением один-ко-многим. Выведите список Оркестр со средней зарплатой Музыкантов в каждом Оркестре, отсортированный по средней зарплате.

№ варианта	Класс 1	Класс 2
5	Музыкант	Оркестр

Текст программы:

rk2/urls.py

```
from django.urls import path, include
urlpatterns = [
  path('admin/', admin.site.urls),
  path('', views.index, name="main"),
  path('musician/', include([
       path('', views.read musician, name='read musician'),
      path('create/', views.create musician, name="create musician"),
      path('update/<int:musician id>/', views.update musician,
name="update musician"),
       path('delete/<int:musician id>/', views.delete musician,
  path('orchestra/', include([
       path('', views.read orchestra, name='read orchestra'),
      path('create/', views.create orchestra, name="create orchestra"),
      path('update/<int:orchestra id>/',
            views.update orchestra, name="update orchestra"),
      path('delete/<int:orchestra id>/',
           views.delete orchestra, name="delete orchestra"),
  path('report/', views.report, name="report"),
```

musicians/models.py

```
from django.db import models
```

```
class Orchestra(models.Model):
    name = models.CharField(max_length=256, verbose_name="Orchestra name")

def __str__(self):
    return self.name

class Musician (models.Model):
    name = models.CharField(max_length=256, verbose_name="Musician name")
    salary = models.PositiveIntegerField(verbose_name="Musician's salary")
    orchestra = models.ForeignKey(
        Orchestra,
        on_delete=models.SET_DEFAULT,
        null=True,
        default=None,
        related_name="musicians"
)

def __str__(self):
    return self.name
```

musicians/views.py

```
new musician.save()
def update musician(request, musician id):
       return render(request, 'musician/update musician.html', {"musician": musician,
               setattr(musician, key, request.POST[key])
               Orchestra, pk=request.POST['orchestra']))
def delete musician(request, musician id):
  musician = get_object_or_404(Musician, pk=musician_id)
def read orchestra(request):
  return render(request, 'orchestra/orchestra_list.html', {'orchestras': orchestras})
       return render(request, 'orchestra/create orchestra.html')
      return redirect('read orchestra')
def update orchestra(request, orchestra id):
       orchestra = get_object_or_404(Orchestra, pk=orchestra_id)
       return render(request, 'orchestra/update orchestra.html', {"orchestra": orchestra})
               \verb|setattr(orchestra, key, request.POST[key])| \\
```

templates/inc/base.html

templates/inc/navbar.html

</nav>

templates/musician/musician_card.html

templates/musician/musician_form.html

templates/musician/musician_list.html

templates/musician/create musician.html

templates/musician/update musician.html

templates/orchestra/orchestra_card.html

templates/orchestra/orchestra form.html

templates/orchestra/orchestra list.html

templates/orchestra/create_orchestra.html

templates/orchestra/update_orchestra.html

templates/report.html

templates/index.html

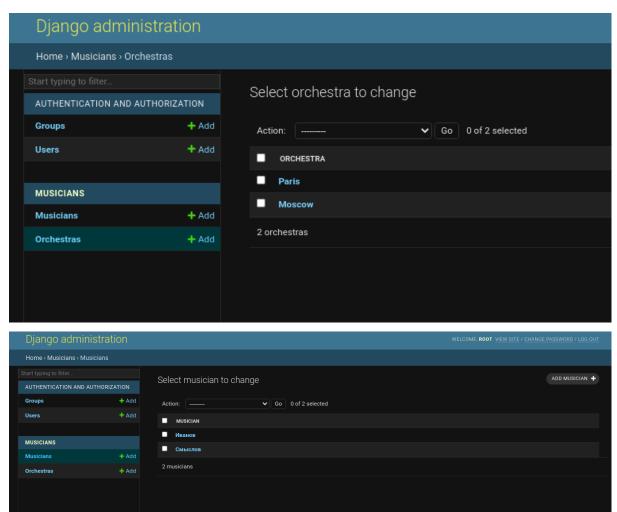
```
{% extends 'inc/base.html' %}

{% load static %}

{% block content %}

<div class="container">
```

Результат работы:



Main Page All musicians Create musician All orchestras Create orchestra Report

Main Page



