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from django.db import models
from django.shortcuts import reverse
from django.contrib.auth.models import AbstractUser
from django.conf import settings
from django.db.models.signals import post save
from django.dispatch import receiver
from rest framework.authtoken.models import Token
SQUAD CHOICES = [
    (\ ^{'}Главный пилот', 'Главный пилот'), ('Второй пилот', 'Второй пилот'),
    ('Стюардесса', 'Стюардесса'),
    ('Стюард', 'Стюард'),
]
STATUS CHOICES = [
    ('Явлеется сотрудником', 'Является сотрудником'),
    ('На рассмотрении', 'На рассмотрении'),
    ('Уволен', 'Уволен'),
    ('Пользователь сайта', 'Пользователь сайта'),
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class AirlineCompany(models.Model):
    name = models.CharField("Название", max length=100)
    logo = models.ImageField("Ποτοτμπ", upload to="movies/")
        str (self):
        return str(self.name)
    class Meta:
        verbose name = "Авиакомпания"
        verbose_name_plural = "Авиакомпании"
class Airplane(models.Model):
    airplane number = models.IntegerField('Номер самолета', unique=True)
    type = models.CharField("Txn", max length=60)
    number_of_places = models.SmallIntegerField('Число мест')
    flight speed = models.SmallIntegerField('Скорость полета (км/ч)')
    airline company = models.ForeignKey(AirlineCompany,
verbose name="Компания авиаперевозчик",
                                         on delete=models.CASCADE)
    def str (self):
        return str(self.type)
    class Meta:
        verbose name = "Самолет"
        verbose name plural = "Самолеты"
class Flight(models.Model):
    flight number = models.IntegerField('Номер рейса', unique=True)
    distance = models.SmallIntegerField('Расстояние до пункта назначения
(KM) ')
    departure point = models.CharField("Пункт вылета", max length=100)
    destination = models.CharField("Пункт назначения", max length=100)
    departure time = models.DateTimeField("Дата и время вылета")
    destination time = models.DateTimeField("Дата и время прилета")
    transit landings = models.BooleanField("Транзитные посадки",
default=False)
    transit departure time = models.DateTimeField('Время транзитных посадок',
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null=True, blank=True)
    transit destination time = models.DateTimeField('Bpems tpansuthbix
вылетов', null=True, blank=True)
    number of seats = models.PositiveSmallIntegerField("Количество мест",
default=0)
    number of tickets sold = models.PositiveSmallIntegerField("Количество
проданых билетов", default=0)
    airplane = models.ForeignKey (Airplane, verbose name="Самолет",
on delete=models.CASCADE)
    def str (self):
        return str(self.flight number)
    def get absolute url(self):
        return reverse("flight detail", kwargs={"pk": self.pk})
    class Meta:
        ordering = ["departure time"]
        verbose name = "Рейс"
        verbose name plural = "Рейсы"
class Employee(AbstractUser):
    first name = models.CharField("VMMS", max length=100, null=True,
blank=True)
    last name = models.CharField("Фамилия", max length=100, null=True,
blank=True)
    education = models.CharField("Образование", max length=150, null=True,
blank=True)
    age = models.PositiveSmallIntegerField("Bospact", null=True, blank=True)
   passport number = models.IntegerField('Пасспортные данные', null=True,
blank=True)
   position = models.CharField("Должность", max length=50,
choices=SQUAD CHOICES, null=True, blank=True)
    status = models.CharField("CTaTyc", max length=50,
choices=STATUS CHOICES, default='Пользователь сайта', null=True,
                              blank=True)
    flight = models.ManyToManyField(Flight, verbose name="Рейс(-ы)",
related name="passengers", null=True,
                                    blank=True)
    def str (self):
        return f"{self.username}"
    # def get username(self):
         return f'{self.first name} {self.last name}'
    class Meta:
        verbose name = "Пользователь"
        verbose name plural = "Пользователи"
class Crew (models.Model):
    head pilot = models. ForeignKey (Employee, verbose name="Главный пилот",
null=True, on delete=models.SET NULL,
                                   related name='head pilot')
    second pilot = models.ForeignKey(Employee, verbose name="Второй пилот",
null=True, on delete=models.SET NULL,
                                     related_name='second pilot')
    stewardess1 = models.ForeignKey(Employee, verbose name="CTDOADDECCA 1",
null=True, on delete=models.SET NULL,
                                    related name='stewardess1')
    stewardess2 = models.ForeignKey(Employee, verbose name="CTX0appecca 2",
null=True, on delete=models.SET NULL,
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related name='stewardess2')
    steward = models.ForeignKey (Employee, verbose name="Cτωapπ", null=True,
on delete=models.SET NULL,
                                related name='steward')
    airline company = models.ForeignKey(AirlineCompany,
verbose_name="Авиакомпания", on_delete=models.CASCADE)
    served flight = models.ManyToManyField(Flight,
verbose name="Обслуживаемый рейс (-ы)",
                                           related name="served flight")
    class Meta:
       verbose_name = "Экипаж"
        verbose name plural = "Экипажи"
@receiver(post save, sender=settings.AUTH USER MODEL)
def create_auth_token(sender, instance=None, created=False, **kwargs):
    if created:
        Token.objects.create(user=instance)
```