

MODELS.PY AND ADMIN PANEL

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Models.py

```
from django.contrib.auth.models import AbstractUser
```

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

```
class User(AbstractUser):
```

```
    is_student = models.BooleanField(default=False)
```

```
    is_teacher = models.BooleanField(default=False)
```

```
class Course(models.Model):
```

```
    title = models.CharField(max_length=100)
```

```
    description = models.TextField()
```

```
    teacher = models.ForeignKey(User, on_delete=models.CASCADE)
```

```
    students = models.ManyToManyField(User, related_name='enrolled_courses')
```

```
    created_at = models.DateTimeField(auto_now_add=True)
```

```
    updated_at = models.DateTimeField(auto_now=True)
```

```
class Module(models.Model):
```

```
    title = models.CharField(max_length=100)
```

```
    description = models.TextField()
```

```
    course = models.ForeignKey(Course, on_delete=models.CASCADE)
```

```
    order = models.PositiveIntegerField()
```

```
    created_at = models.DateTimeField(auto_now_add=True)
```

```
    updated_at = models.DateTimeField(auto_now=True)
```

```
class Lesson(models.Model):
```

```
    title = models.CharField(max_length=100)
```

```
    description = models.TextField()
```

```
    content = models.TextField()
```

```
    module = models.ForeignKey(Module, on_delete=models.CASCADE)
```

```
order = models.PositiveIntegerField()

created_at = models.DateTimeField(auto_now_add=True)

updated_at = models.DateTimeField(auto_now=True)
```

```
class Announcement(models.Model):

    title = models.CharField(max_length=100)

    content = models.TextField()

    course = models.ForeignKey(Course, on_delete=models.CASCADE)

    created_at = models.DateTimeField(auto_now_add=True)

    updated_at = models.DateTimeField(auto_now=True)
```

```
class Note(models.Model):

    title = models.CharField(max_length=100)

    content = models.TextField()

    course = models.ForeignKey(Course, on_delete=models.CASCADE)

    user = models.ForeignKey(User, on_delete=models.CASCADE)

    created_at = models.DateTimeField(auto_now_add=True)

    updated_at = models.DateTimeField(auto_now=True)
```

```
class Quiz(models.Model):

    title = models.CharField(max_length=100)

    description = models.TextField()

    course = models.ForeignKey(Course, on_delete=models.CASCADE)

    created_at = models.DateTimeField(auto_now_add=True)

    updated_at = models.DateTimeField(auto_now=True)
```

```
class Question(models.Model):

    text = models.TextField()

    quiz = models.ForeignKey(Quiz, on_delete=models.CASCADE)

    created_at = models.DateTimeField(auto_now_add=True)
```

```
updated_at = models.DateTimeField(auto_now=True)
```

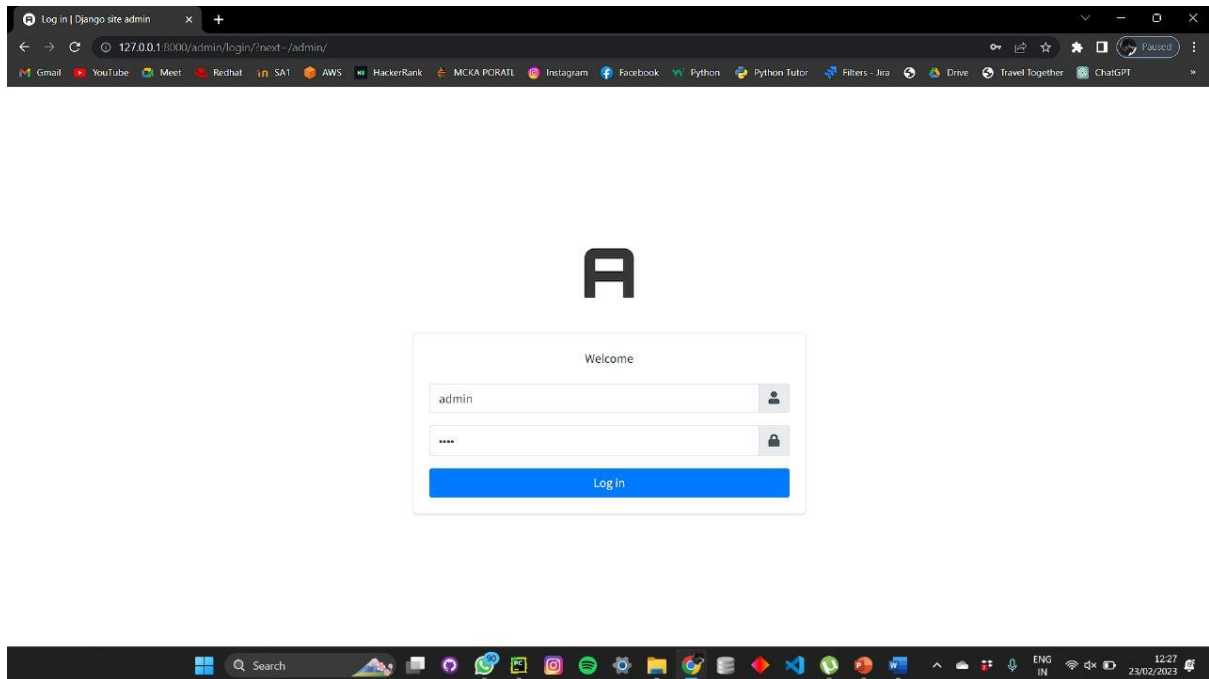
```
class Choice(models.Model):
```

```
    text = models.CharField(max_length=100)
```

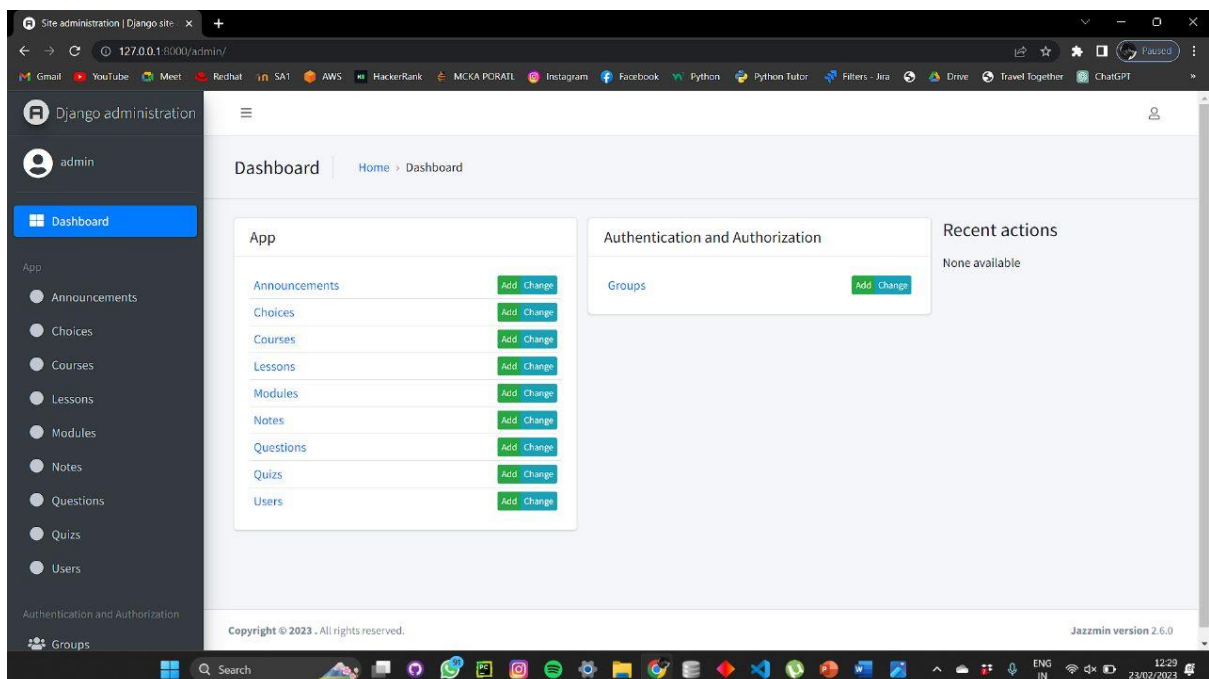
```
    question = models.ForeignKey(Question, on_delete=models.CASCADE)
```

```
    correct = models.BooleanField(default=False)
```

Admin Panel Login Page



Admin Panel



ER Diagram

