

Magali Courté | OpenClassrooms

```

class Comment(models.Model):
    comment_id= models.UUIDField(
        default=uuid.uuid4,
        editable=False,
        unique=True
    )

    created_time = models.DateTimeField(
        auto_now_add=True,
        verbose_name="created time"
    )

    author = models.ForeignKey(
        settings.AUTH_USER_MODEL,
        on_delete=models.CASCADE,
        related_name="comment_authors"
    )

    name = models.CharField(
        max_length=100,
        verbose_name="comment name",
        help_text="Comment name"
    )

    description = models.TextField(
        verbose_name="comment body",
        help_text="Comment body"
    )

    issue_id = models.UUIDField(
        verbose_name="issue ID",
        help_text="ID of the issue to which the comment belongs"
    )

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class Contributor(models.Model):
    ROLE_CHOICES = [
        ('Owner', 'Owner'),
        ('Subscriber', 'Subscriber'),
    ]
    contributor = models.ForeignKey(settings.AUTH_USER_MODEL,
on_delete=models.CASCADE)

    contributor_id = models.UUIDField(default=uuid.uuid4, editable=False, unique=True)

    project = models.ForeignKey('Project', on_delete=models.CASCADE)

    role = models.CharField(max_length=10, choices=ROLE_CHOICES, default='Subscriber')

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ISSUE

class Issue(models.Model):
    PRIORITY_CHOICES = [
        ("LOW", "Low"),
        ("MEDIUM", "Medium"),
        ("HIGH", "High"),
    ]

    TAG_CHOICES = [
        ("BUG", "Bug"),
        ("FEATURE", "Feature"),
        ("TASK", "Task"),
    ]

    STATUS_CHOICES = [
        ("TO_DO", "To Do"),
        ("IN_PROGRESS", "In Progress"),
        ("FINISHED", "Finished"),
    ]

    author = models.ForeignKey(
        to=settings.AUTH_USER_MODEL,
        on_delete=models.CASCADE,
        related_name="issue_authors",
        verbose_name="issue author",
        help_text="Issue author"
    )

    project_id = models.UUIDField(
        verbose_name="project ID",
        help_text="ID of the project to which the issue belongs"
    )

    title = models.CharField(max_length=255, help_text="Title of the issue")

    description = models.TextField(help_text="Description of the issue")

    priority = models.CharField(
        max_length=20,
        choices=PRIORITY_CHOICES,
        default="MEDIUM",
        help_text="Issue priority"
    )

    tag = models.CharField(
        max_length=20,
        choices=TAG_CHOICES,
        default="BUG",
        help_text="Tag of the issue"
    )

    status = models.CharField(
        max_length=20,
        choices=STATUS_CHOICES,
        default="TO_DO",
        help_text="Status of the issue"
    )

    issue_id = models.UUIDField(
        default=uuid.uuid4,
        editable=False,
        unique=True,
        verbose_name="issue ID",
        help_text="Unique ID of the issue"
    )

    assigned_to = models.ForeignKey(
        to=settings.AUTH_USER_MODEL,
        on_delete=models.SET_NULL,
        null=True,
        blank=True,
        related_name="assigned_issues",
        help_text="User assigned to the issue"
    )

    created_time = models.DateTimeField(auto_now_add=True, verbose_name="created time")

```

PROJECT PERMISSIONS

```
graph TD; IsAuthor[IsAuthor] --- IsAuthorCB[ ]; IsContributor[IsContributor] --- IsContributorCB[ ]; IsAuthenticated[IsAuthenticated] --- IsAuthenticatedCB[ ]; AllowAnonymousAccess[AllowAnonymousAccess] --- AllowAnonymousAccessCB[ ]
```

The diagram illustrates four project permissions, each represented by a rectangular box divided into two sections. The top section contains the permission name, and the bottom section contains a checkbox. The permissions are arranged in a 2x2 grid:

- IsAuthor**: The top section contains the text "IsAuthor", and the bottom section contains an unchecked checkbox.
- IsContributor**: The top section contains the text "IsContributor", and the bottom section contains an unchecked checkbox.
- IsAuthenticated**: The top section contains the text "IsAuthenticated", and the bottom section contains an unchecked checkbox.
- AllowAnonymousAccess**: The top section contains the text "AllowAnonymousAccess", and the bottom section contains an unchecked checkbox.