

Models - Projet 10

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USER

class CustomUser(AbstractUser):

username = models.CharField(max\_length=20, unique=True)

password = models.CharField(max\_length=12, unique=False)

date\_of\_birth = models.DateField(verbose\_name="date of birth", default=timezone.now, validators=[validate\_age])

can\_be\_contacted = models.BooleanField(default=False, verbose\_name="contact consent")

can\_data\_be\_shared = models.BooleanField(default=False, verbose\_name="share consent")

id\_user = models.UUIDField(default=uuid.uuid4, editable=False, unique=True)

+ def validate\_age(value)

COMMENTS

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")

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")

PROJET

class Project(models.Model):

PROJECT\_TYPES = [ ("Backend", "Backend"), ("Frontend", "Frontend"), ("iOS", "iOS"), ("Android", "Android"), ]

name = models.CharField(max\_length=255, help\_text="Name of project")

project\_type = models.CharField(max\_length=10, choices=PROJECT\_TYPES, help\_text="Type of project")

project\_id = models.UUIDField(default=uuid.uuid4, editable=False, unique=True)

description = models.TextField(blank=False, help\_text="Description of the project")

created\_time = models.DateTimeField(auto\_now\_add=True, verbose\_name="created time")

updated\_time = models.DateTimeField(auto\_now=True, verbose\_name="updated date")

contributor\_owner = models.ForeignKey(settings.AUTH\_USER\_MODEL, on\_delete=models.CASCADE, related\_name="owned\_projects", null=True, blank=True)

contributors = models.ManyToManyField(to=settings.AUTH\_USER\_MODEL, through='Contributor', related\_name='contributions', help\_text='Project contributors')

CONTRIBUTOR

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')

USER PERMISSIONS

IsAdmin

has\_permission : True

IsUser

has\_permission : True

AllowAnonymusAcces

has\_permission : False

PROJECT PERMISSIONS

IsProjectAuthor

has\_object\_permission : True

- Modify, Delete, add CONTRIBUTOR

IsProjectContributor

has\_permission : True

Les CONTRIBUTOR peuvent voir la liste des CONTRIBUTOR associés au PROJECT

IsProjectContributorOrAuthor

has\_permission : True

Tous les CONTRIBUTOR associé au PROJECT peuvent y accéder

ISSUE PERMISSIONS

IssueContributor

has\_permission : True

Les CONTRIBUTOR peuvent voir la liste des ISSUES associées au PROJECT et/ou crée une ISSUE

IssueAuthor

has\_object\_permission : True

- Modify, Delete

COMMENT PERMISSIONS

IsCommentContributor

has\_permission : True

Les CONTRIBUTOR peuvent voir la liste des COMMENT associées aux ISSUE et/ou créer un COMMENT

IsCommentAuthor

has\_object\_permission : True

- Modify, Delete