

charfield : used for fixed length of character  
textfield : used for storing variable length of character

difference between charfield and textfield

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1. CharField
2. TextField
3. DateField
4. TimeField
5. DateTimeField
6. SlugField
7. ImageField
8. EmailField
9. FileField
10. JSONField
11. URLField
12. ForeignKey
13. ManyToManyField
14. OneToOneField  
and many others.

### Some Model Field Types Available to Use

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and many others.

Visit [Django Documentation](#) for more model field types

## Some Model Field Options Available to Use

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1. null
2. blank
3. choices
4. default
5. editable
6. error\_messages
7. help\_text
8. primary\_key
9. unique
10. verbose\_name

and many more

[Visit Official Documentation for more model field options](#)

`null = True` in the database we can have null values

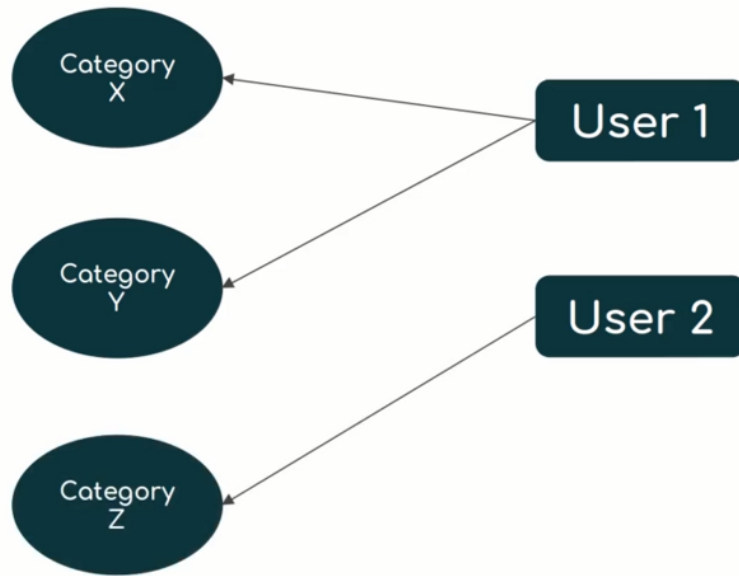
`blank = True` when a user doesn't enter any value in the field don't raise any error

`auto_now = True` update

`auto_now_add = True` create

## Many to One Relationships

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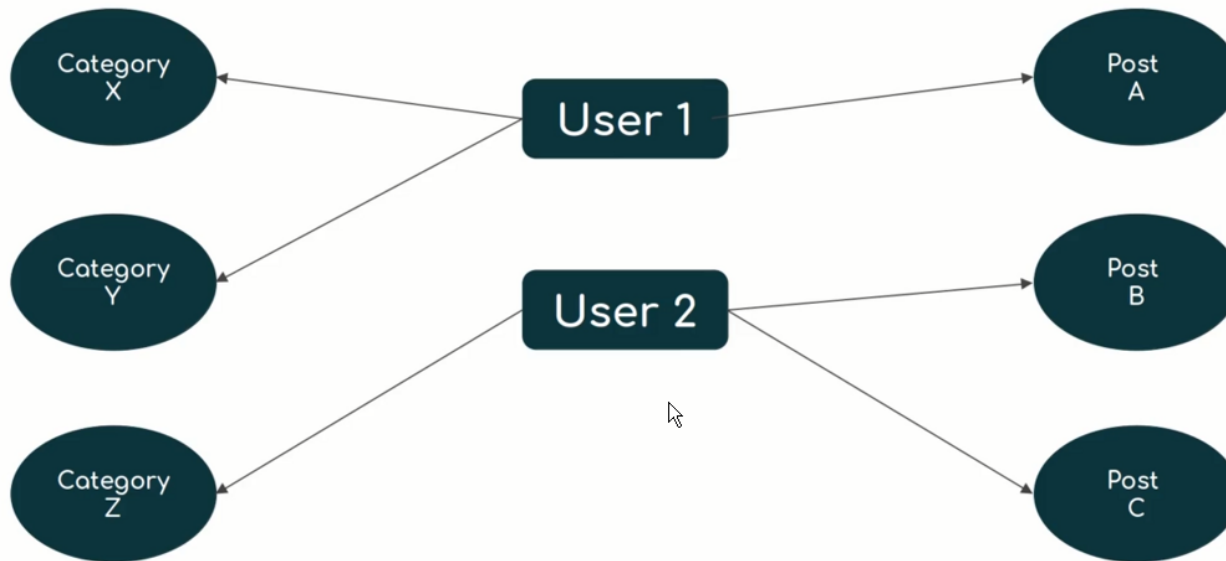
## Many to One Relationships

one user can create multiple post

one post can be created by one user

`created_by=models.ForeignKey  
(User,on_delete=models.Cascade)`

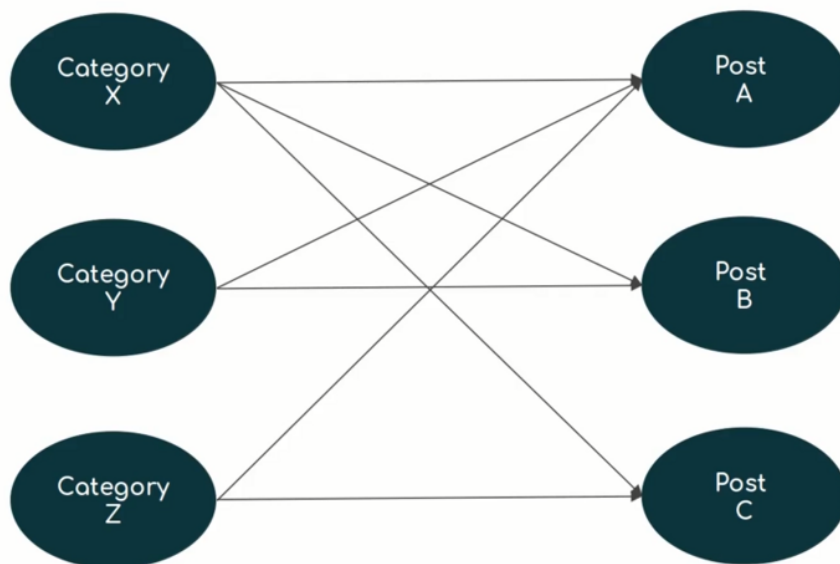
when the user is deleted it also  
delete corresponding objects



## Many to Many Relationships

one category can have multiple post

one post can belongs to many category



# Primary Key & Verbose Field Name







































































































































































































































































































































