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Explore Built-in

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Attributes in Django Models



Introduction

Django Model, class provides few build-in attributes that is used for Databases Operations, Error Handling etc.

Let's explore these attributes.

DoesNotExist

Django provides a `DoesNotExist` exception as an attribute of each model class. It is used to catch exception for particular model class, if any object doesn't found

```
from .models import Student  
  
Student.objects.get(id=3) ←
```



for e.g, here we are trying to get the student object whose id is 3, if this object doesn't found, it will raise DoesNotExist exception

```
from .models import Student  
  
try:  
    Student.objects.get(id=3)  
except Student.DoesNotExist: ←  
    pass
```



to handle this exception, we can simply call DoesNotExist.

MultipleObjectsReturned

Django provides a `MultipleObjectsReturned` exception as an attribute of each model class. It is used to catch exception for particular model class, if multiple object found in database

```
from .models import Student  
  
Student.objects.get(email="johndoe@gmail.com")
```



Here in this example, we are using get method to return a student object by this email, if this email found multiple times in our database, so it will raise `MultipleObjectsReturned` exception.

```
from .models import Student  
  
try:  
    Student.objects.get(email="johndoe@gmail.com")  
except Student.MultipleObjectsReturned: <--  
    pass
```



to handle this exception, we can simply call `MultipleObjectsReturned`.

objects

objects is a Manager class object, django ensure each non-abstract model class must have a Manager object. This objects attribute is used to perform database operations for particular models



```
from .models import Student  
Student.objects.all()
```

Conclusion

These are the some built-in attributes

that comes with django Model class.

We can also define our own custom

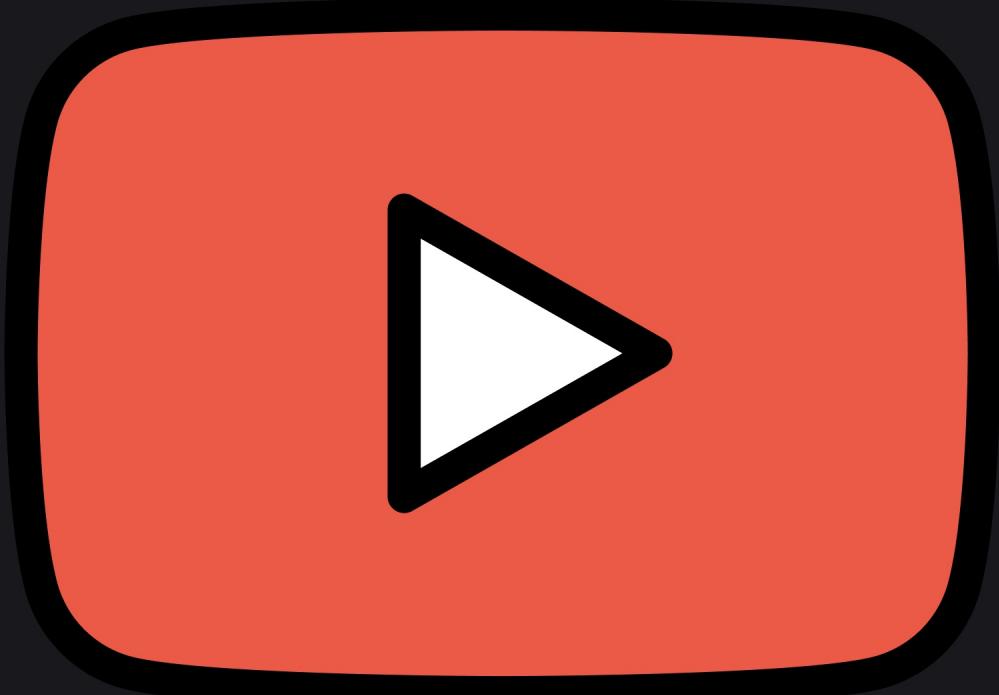
attributes for each models, depends

on our project requirements

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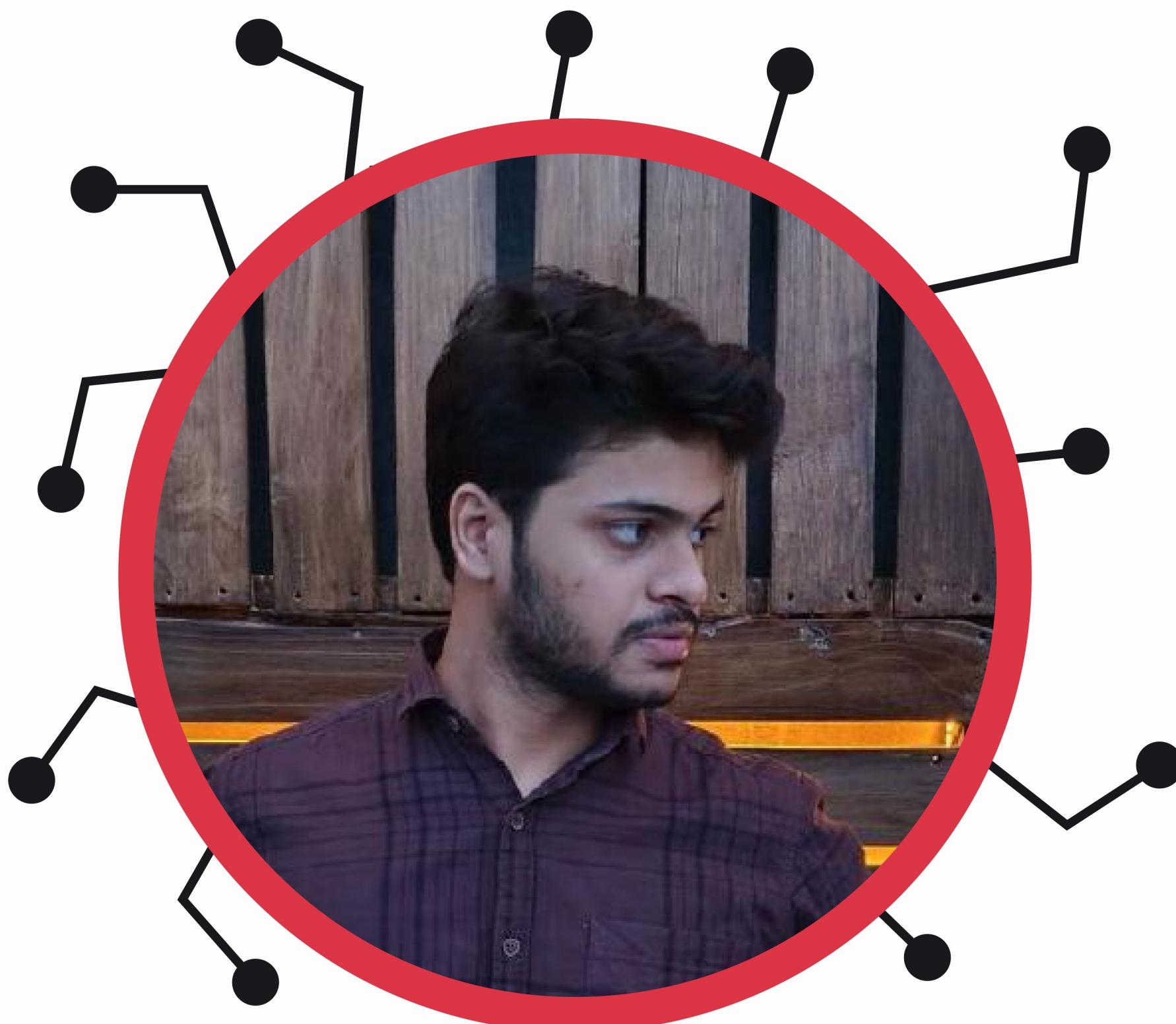
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