

Field Name

# Restrictions in Django Models



# Introduction

Django places some restrictions on model field names. It means you can't keep these as a field names in django models and best practices to follow.

# Reserved word

A field name cannot be a Python reserved word, because that would result in a Python syntax error.

```
class TestModel(models.Model):  
    pass = models.IntegerField() # 'pass' is a reserved word!
```



- pass is reserve keyword, avoid using Python keywords or built-in function names as field names

# Double Underscore in a row

A field name cannot contain more than one underscore in a row, because it prevent conflicts with lookups in django

```
class Student(models.Model):  
    first__name = models.CharField(max_length=100)
```

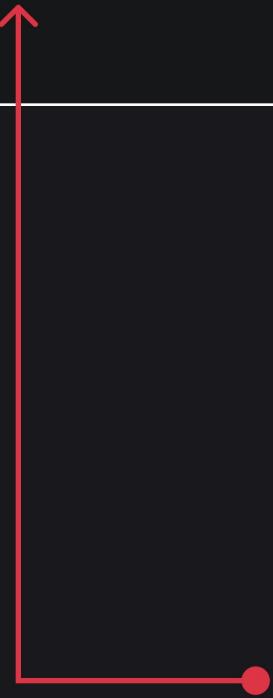


It should not contain double underscore in row, otherwise it conflicts with the lookups

# Cannot end with an underscore

A field name cannot end with underscore,  
for the similar reason lookups

```
class Student(models.Model):  
    first_name_ = models.CharField(max_length=100)
```



Here, it should not  
end with underscore

# Length Limit

While not have any strict restriction, it's advisable to keep field names relatively short and descriptive.

```
# Keep field names short and descriptive
class ExampleModel(models.Model):
    really_long_field_name_that_should_be_avoided = models.CharField(max_length=200)
```



- Avoid to keep long field names

# Valid Python Identifiers

Field names must be valid Python identifiers, which means:

They cannot start with a number.

They cannot be Python keywords or built-in function names.

They can contain only letters, numbers, and underscores.



```
class Student(models.Model):
    # Good field names
    first_name = models.CharField(max_length=50)
    last_name = models.CharField(max_length=50)
    age = models.IntegerField()
```

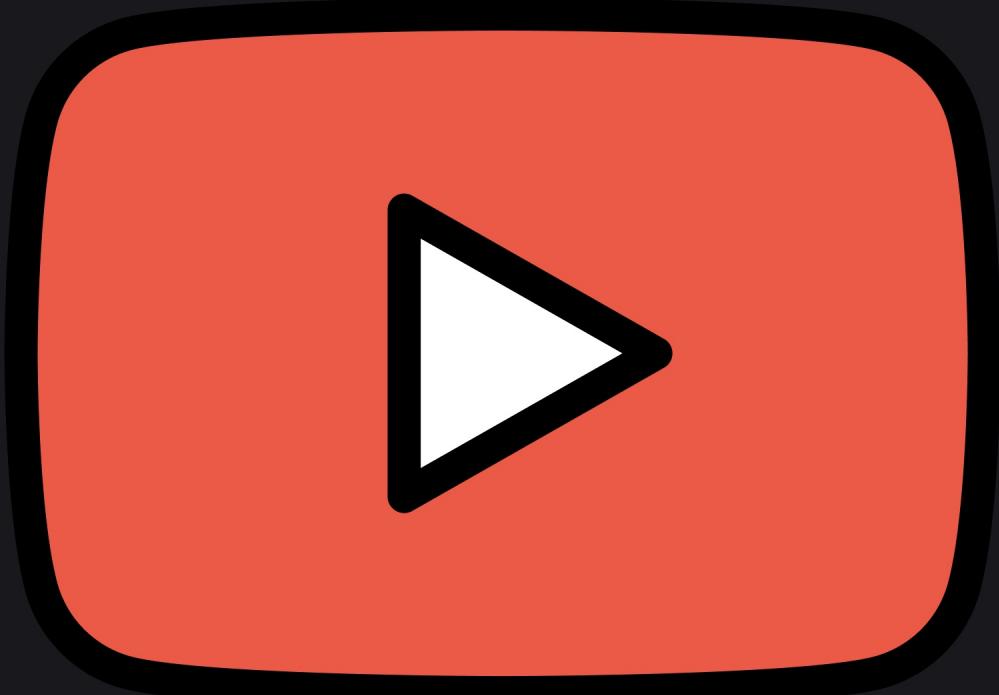
# Conclusion

In Django model creation, it's essential to avoid common mistakes and provide meaningful names for your fields.

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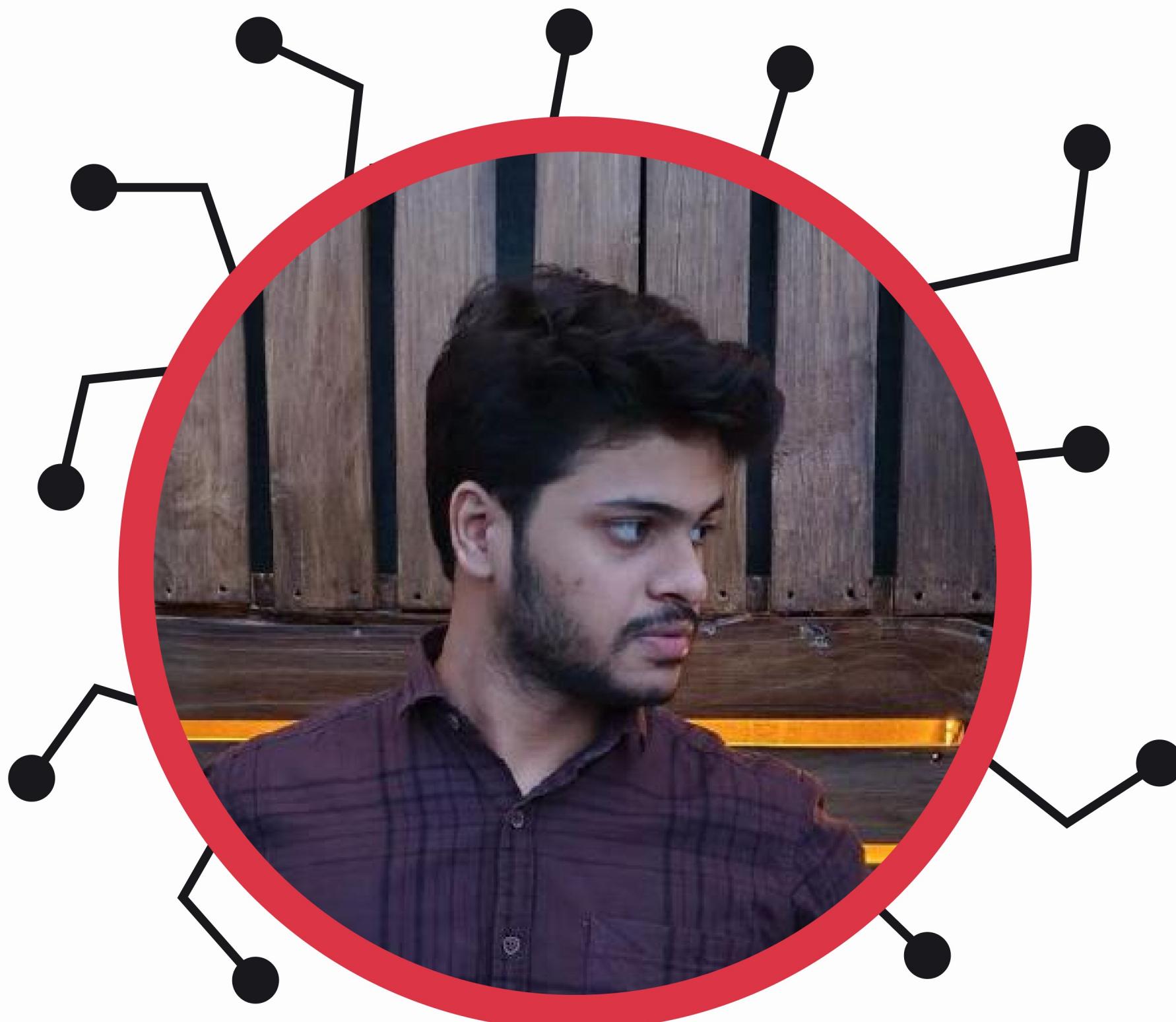
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