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Matricule id\_number

If you want the max length of matricule to be 5 characters, you can create a custom UUID field with a max length of 5 characters by subclassing models.UUIDField and overriding its to\_python and from\_db\_value methods.

Here's an example implementation:

import uuid

from django.db import models

class ShortUUIDField(models.UUIDField):

def \_\_init\_\_(self, \*args, \*\*kwargs):

kwargs.setdefault('editable', False)

kwargs.setdefault('default', uuid.uuid4)

kwargs.setdefault('unique', True)

kwargs.setdefault('max\_length', 5)

super().\_\_init\_\_(\*args, \*\*kwargs)

def to\_python(self, value):

if value is None:

return value

elif isinstance(value, uuid.UUID):

return str(value).replace('-', '')[:self.max\_length]

elif isinstance(value, str):

return value.replace('-', '')[:self.max\_length]

else:

raise ValueError('Invalid UUID value: {!r}'.format(value))

def from\_db\_value(self, value, expression, connection):

if value is None:

return value

elif isinstance(value, uuid.UUID):

return str(value).replace('-', '')[:self.max\_length]

elif isinstance(value, str):

return value.replace('-', '')[:self.max\_length]

else:

raise ValueError('Invalid UUID value: {!r}'.format(value))

class Consultant(NewUser):

matricule = ShortUUIDField()

class Meta:

db\_table = "Consultants"

With this implementation, matricule will be a string field of max length 5 characters, and its value will be generated automatically as a UUID when a new Consultant object is created. The UUID will be truncated to 5 characters (without dashes) to fit the max length.

We need to import the Consultant model and the uuid module wherever you need to create a new consultant object.

For example, if you have a form for creating new consultants, you will need to import Consultant and uuid in the view associated with the form, and use the Consultant model to create a new consultant object with a generated matricule field using uuid.uuid4().