How to add

Money Fields In Django Models

→

django-money is an awesome package that support for Money fields in your models and forms.

1. Install the package

We need to install **django-money** package by just hitting this command in terminal

```
pip install django-money
```
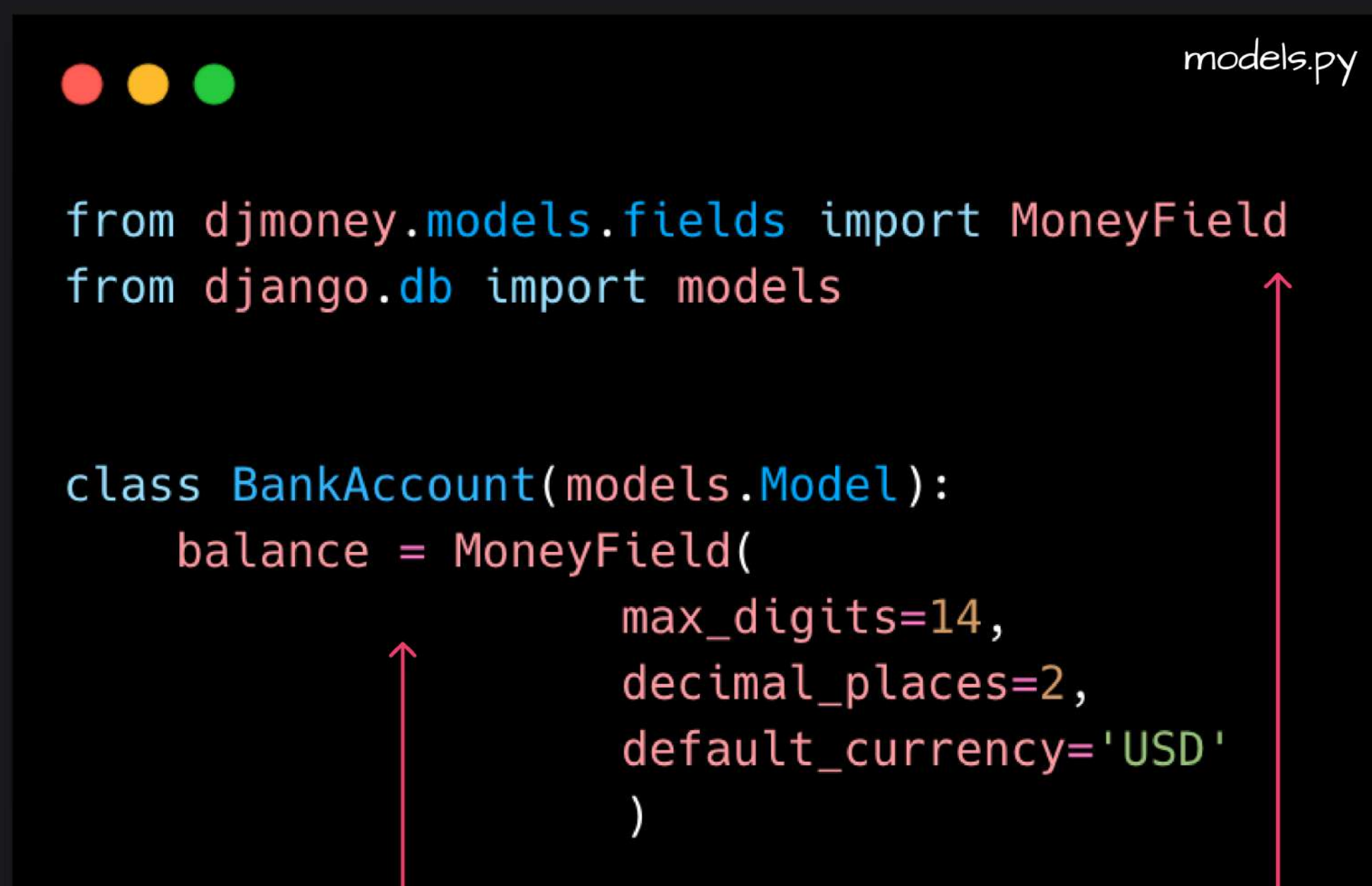
2. Add in INSTALLED_APP

Add **djmoney** to your **INSTALLED_APPS**. This is required so that money field are displayed correctly in the admin.

```python
# settings.py

INSTALLED_APPS = [
    ...,
    'djmoney',
    ...
]
```

Let's use with the model

Import MoneyField and use as a normal model field

models.py
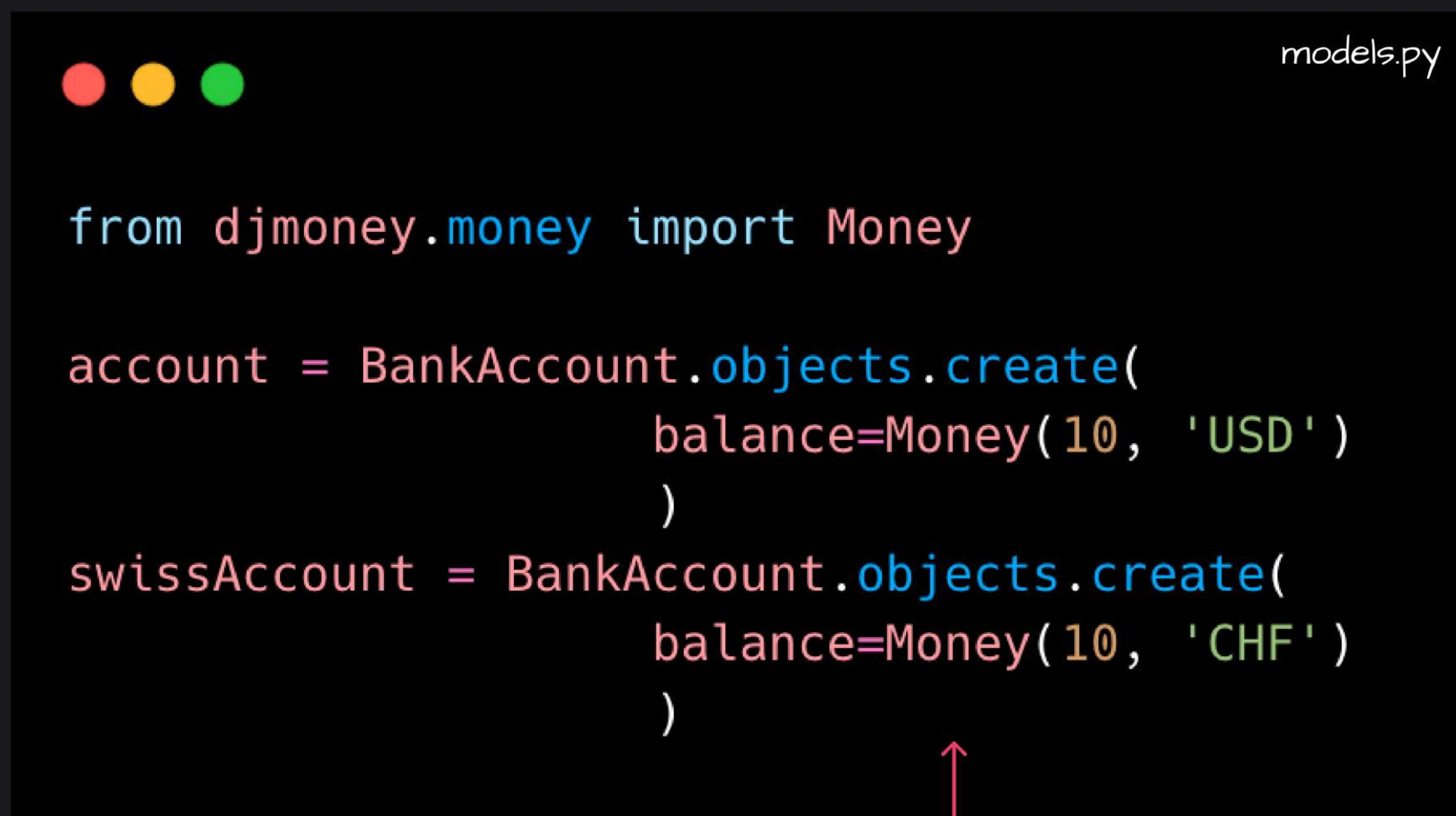
```python
from djmoney.models.fields import MoneyField
from django.db import models


class BankAccount(models.Model):
    balance = MoneyField(
                    max_digits=14,
                    decimal_places=2,
                    default_currency='USD'
                    )
```

create a blance field and add certain strict accounting or financial regulations

import MoneyField

How to create an object

```python
                                                    models.py

from djmoney.money import Money

account = BankAccount.objects.create(
                        balance=Money(10, 'USD')
                        )
swissAccount = BankAccount.objects.create(
                        balance=Money(10, 'CHF')
                        )
```

Simply you can use the Money class and pass the amount and currency code

Field validation

Let's add few validation on the blance field

models.py

```python
from django.db import models
from djmoney.models.fields import MoneyField
from djmoney.money import Money
from djmoney.models.validators import (
  MaxMoneyValidator, MinMoneyValidator
)

class BankAccount(models.Model):
    balance = MoneyField(
        max_digits=10,
        decimal_places=2,
        validators=[
            MinMoneyValidator(10),
            MaxMoneyValidator(1500),
            MinMoneyValidator(Money(500, 'NOK')),
            MaxMoneyValidator(Money(900, 'NOK')),
            MinMoneyValidator({'EUR': 100, 'USD': 50}),
            MaxMoneyValidator({'EUR': 1000, 'USD': 500}),
        ]
    )
```
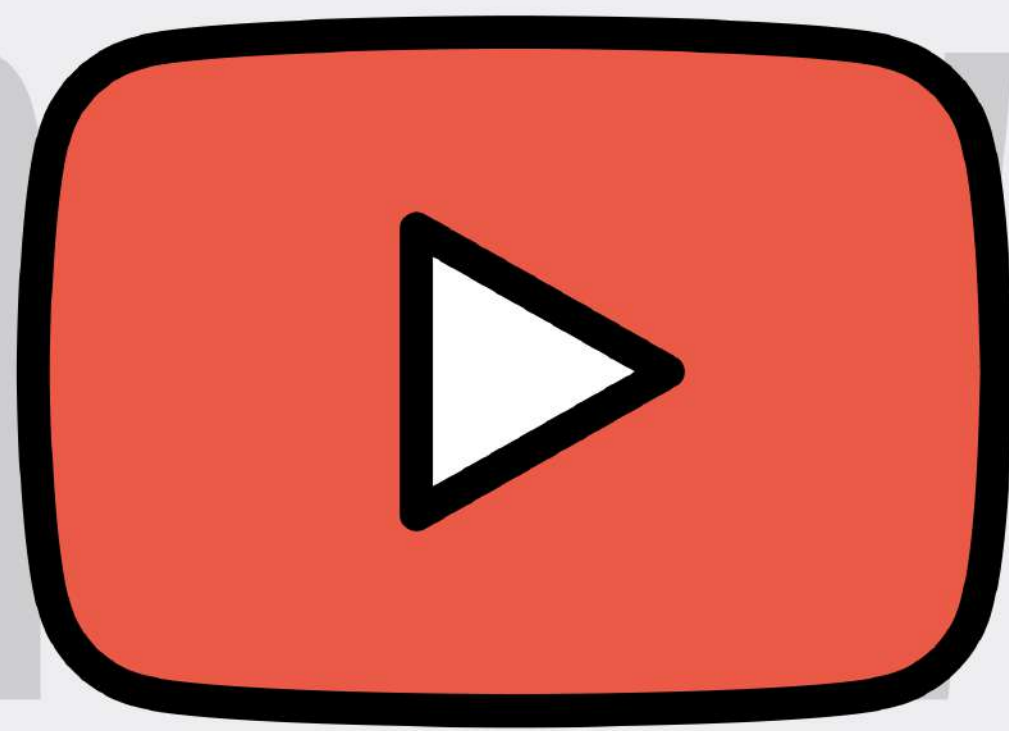
Its, not over

This package provides even more features like creating new currency, creating model form and use in templates etc.

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