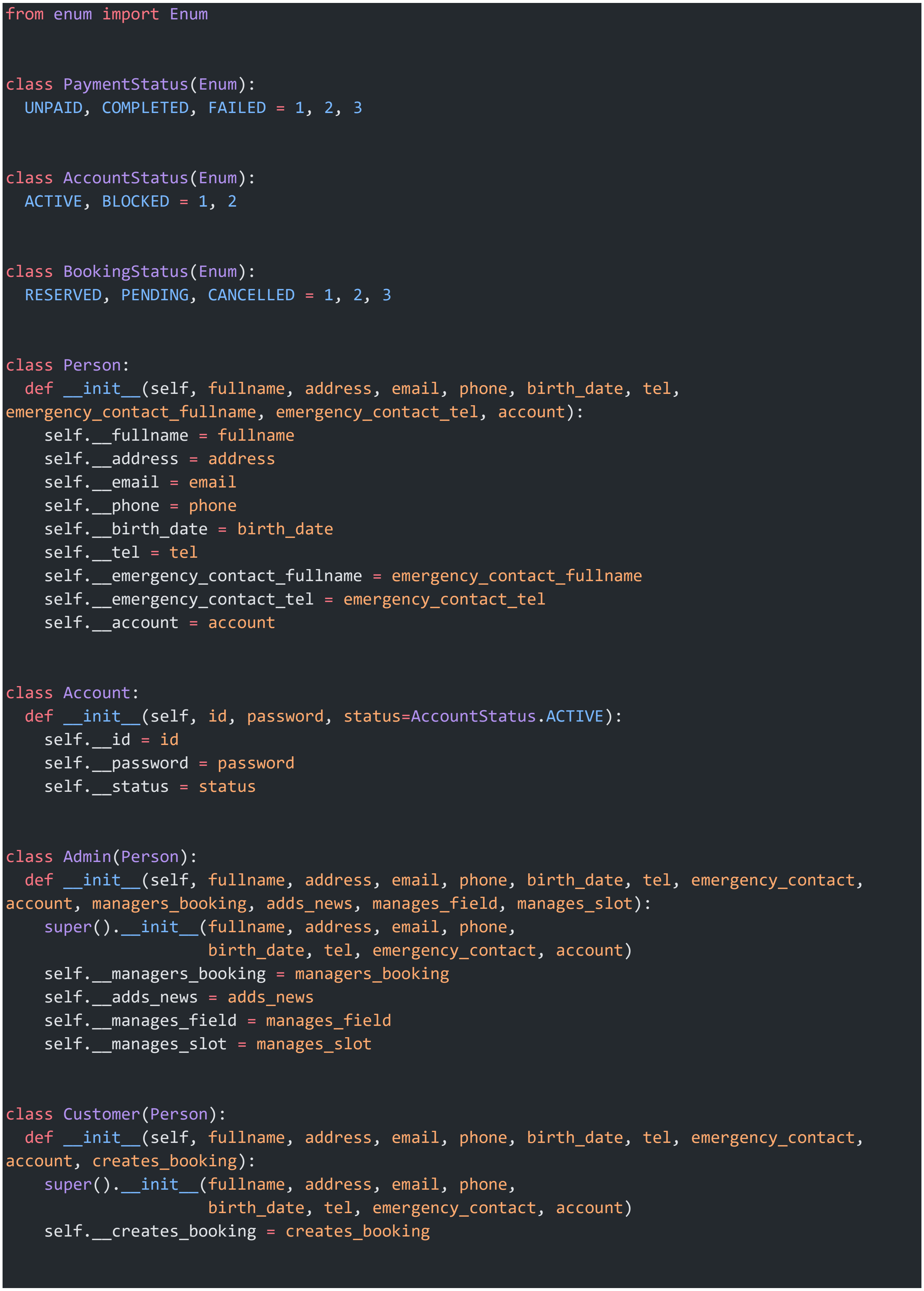
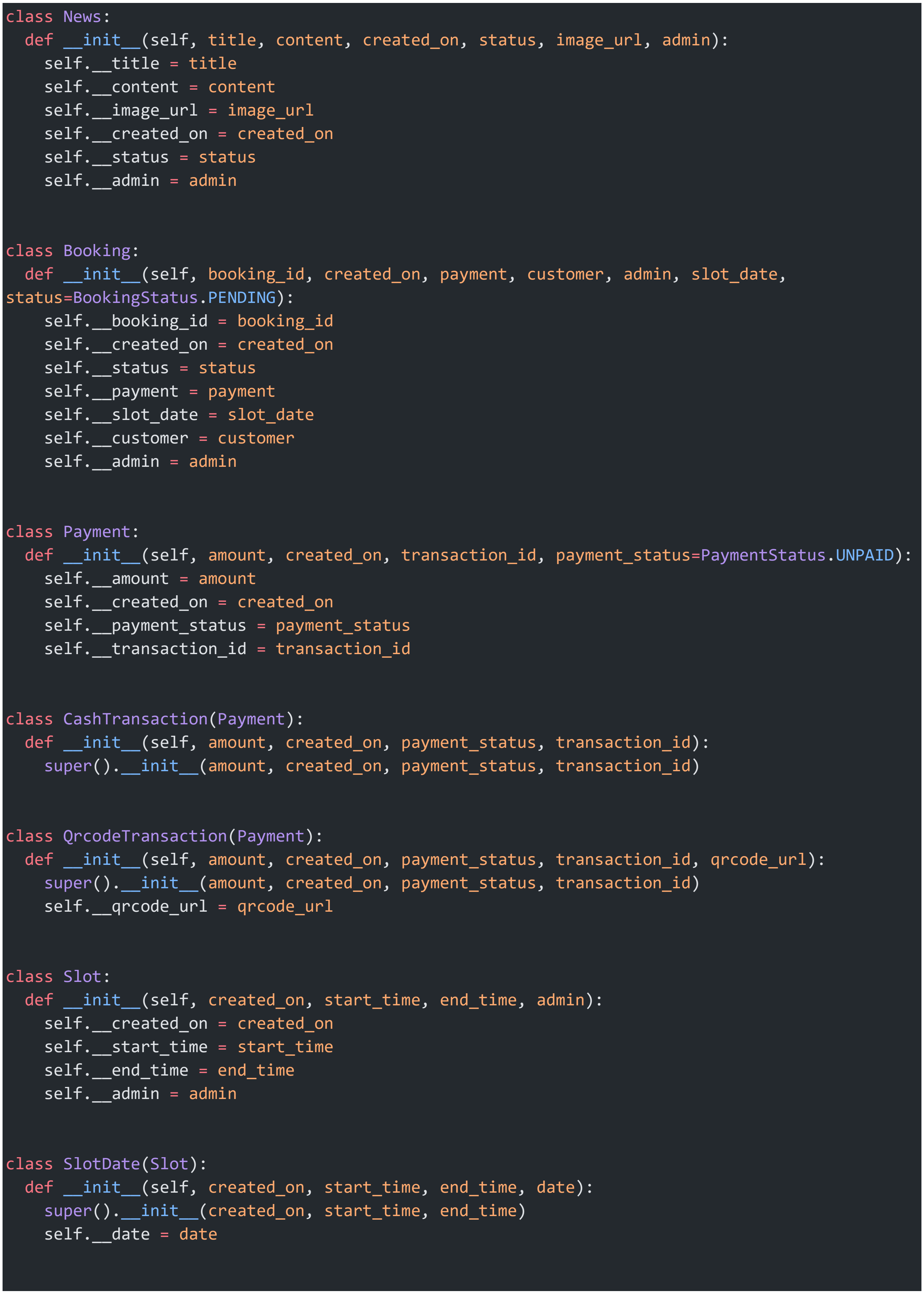
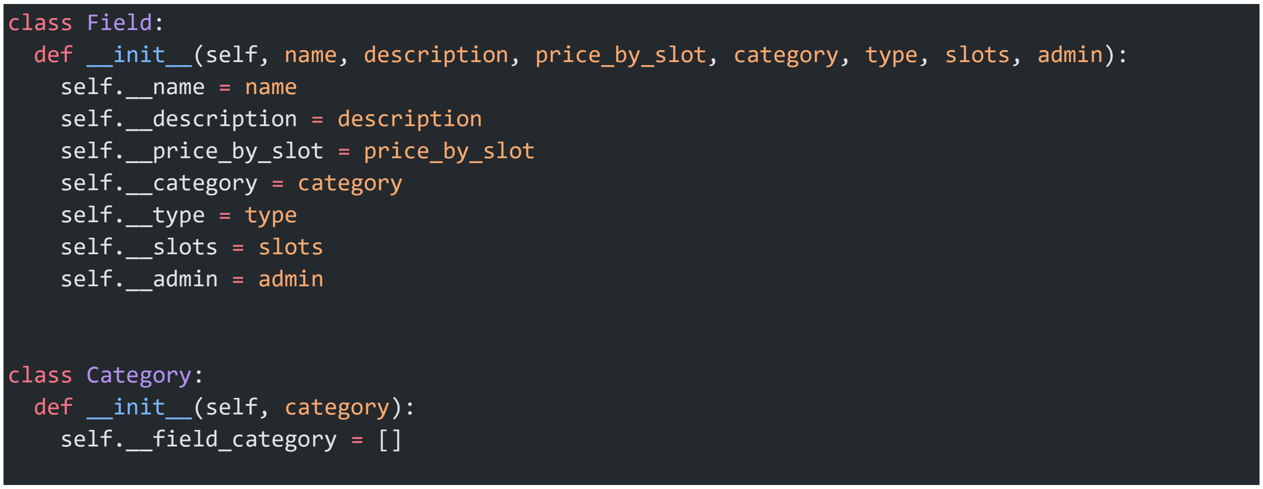
กลุ่ม 3 – กลุ่มนักพัฒนาเว็บไซต์เพื่อความท้าทาย ร่ำรวย888.com



```python
from enum import Enum


class PaymentStatus(Enum):
  UNPAID, COMPLETED, FAILED = 1, 2, 3


class AccountStatus(Enum):
  ACTIVE, BLOCKED = 1, 2


class BookingStatus(Enum):
  RESERVED, PENDING, CANCELLED = 1, 2, 3


class Person:
  def __init__(self, fullname, address, email, phone, birth_date, tel,
emergency_contact_fullname, emergency_contact_tel, account):
    self.__fullname = fullname
    self.__address = address
    self.__email = email
    self.__phone = phone
    self.__birth_date = birth_date
    self.__tel = tel
    self.__emergency_contact_fullname = emergency_contact_fullname
    self.__emergency_contact_tel = emergency_contact_tel
    self.__account = account


class Account:
  def __init__(self, id, password, status=AccountStatus.ACTIVE):
    self.__id = id
    self.__password = password
    self.__status = status


class Admin(Person):
  def __init__(self, fullname, address, email, phone, birth_date, tel, emergency_contact,
account, managers_booking, adds_news, manages_field, manages_slot):
    super().__init__(fullname, address, email, phone,
                     birth_date, tel, emergency_contact, account)
    self.__managers_booking = managers_booking
    self.__adds_news = adds_news
    self.__manages_field = manages_field
    self.__manages_slot = manages_slot


class Customer(Person):
  def __init__(self, fullname, address, email, phone, birth_date, tel, emergency_contact,
account, creates_booking):
    super().__init__(fullname, address, email, phone,
                     birth_date, tel, emergency_contact, account)
    self.__creates_booking = creates_booking
```



```
class News:
  def __init__(self, title, content, created_on, status, image_url, admin):
    self.__title = title
    self.__content = content
    self.__image_url = image_url
    self.__created_on = created_on
    self.__status = status
    self.__admin = admin


class Booking:
  def __init__(self, booking_id, created_on, payment, customer, admin, slot_date,
status=BookingStatus.PENDING):
    self.__booking_id = booking_id
    self.__created_on = created_on
    self.__status = status
    self.__payment = payment
    self.__slot_date = slot_date
    self.__customer = customer
    self.__admin = admin


class Payment:
  def __init__(self, amount, created_on, transaction_id, payment_status=PaymentStatus.UNPAID):
    self.__amount = amount
    self.__created_on = created_on
    self.__payment_status = payment_status
    self.__transaction_id = transaction_id


class CashTransaction(Payment):
  def __init__(self, amount, created_on, payment_status, transaction_id):
    super().__init__(amount, created_on, payment_status, transaction_id)


class QrcodeTransaction(Payment):
  def __init__(self, amount, created_on, payment_status, transaction_id, qrcode_url):
    super().__init__(amount, created_on, payment_status, transaction_id)
    self.__qrcode_url = qrcode_url


class Slot:
  def __init__(self, created_on, start_time, end_time, admin):
    self.__created_on = created_on
    self.__start_time = start_time
    self.__end_time = end_time
    self.__admin = admin


class SlotDate(Slot):
  def __init__(self, created_on, start_time, end_time, date):
    super().__init__(created_on, start_time, end_time)
    self.__date = date
```



```python
class Field:
  def __init__(self, name, description, price_by_slot, category, type, slots, admin):
    self.__name = name
    self.__description = description
    self.__price_by_slot = price_by_slot
    self.__category = category
    self.__type = type
    self.__slots = slots
    self.__admin = admin


class Category:
  def __init__(self, category):
    self.__field_category = []
```