

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

    def check_password(self):
        pass

    def create_user(self):
        pass

    def logout_account(self):
        pass

class Person:
    def __init__(self, fullname, email, phone_number, address, birth_date,
emergency_contact_fullname, emergency_contact_phone_number):
        self.__fullname = fullname
        self.__email = email
        self.__phone_number = phone_number
        self.__address = address
        self.__birth_date = birth_date
        self.__emergency_contact_fullname = emergency_contact_fullname
        self.__emergency_contact_phone_number = emergency_contact_phone_number

    def add_booking(self, slot, description):
        pass

    def get_booking_detail(self):
        pass

    def search_booking_by_id(self, id):
        pass

class FrontDesk(Person):
```

```

    def __init__(self, fullname, email, phone_number, address, birth_date,
emergency_contact_fullname, emergency_contact_phone_number):
        super().__init__(fullname, email, phone_number, address, birth_date,
                        emergency_contact_fullname, emergency_contact_phone_number)

    def add_slot(self):
        pass

    def approve_booking(self):
        pass

class Customer(Person):
    def __init__(self, fullname, email, phone_number, address, birth_date,
emergency_contact_fullname, emergency_contact_phone_number):
        super().__init__(fullname, email, phone_number, address, birth_date,
                        emergency_contact_fullname, emergency_contact_phone_number)

class Admin(Person):
    def __init__(self, fullname, email, phone_number, address, birth_date,
emergency_contact_fullname, emergency_contact_phone_number):
        super().__init__(fullname, email, phone_number, address, birth_date,
                        emergency_contact_fullname, emergency_contact_phone_number)

    def add_field(self, name, description, price_by_slot, category, type, slot):
        pass

    def edit_field(self, name, description, price_by_slot, category, type, slot):
        pass

    def delete_field(self):
        pass

    def approve_booking(self):
        pass

    def add_news(self, title, content, image_url, created_on, status):
        pass

    def edit_news(self, title, content, image_url, created_on, status):
        pass

    def delete_news(self):
        pass

    def add_slot(self, created_on, start_time, end_time):
        pass

    def edit_slot(self, created_on, start_time, end_time):
        pass

    def delete_slot(self):
        pass

```

```
def block_user(self):
    pass

class Guest:
    def __init__(self):
        pass

    def register_account(self):
        pass

    def login_account(self):
        pass

    def check_register(self):
        pass

    def check_login(self):
        pass

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

class Booking:
    def __init__(self, booking_id, status, created_on, description):
        self.__booking_id = booking_id
        self.__status = status
        self.__created_on = created_on
        self.__description = description

    def cancel(self):
        pass

    def create_payment(self):
        pass

    def set_equipment(self):
        pass

    def get_booking_detail(self):
        pass

class BookingHistory:
    def __init__(self, booking):
        self.__booking = booking
```

```
def search_booking_by_id(self):
    pass

class Equipment:
    def __init__(self, name, price, item):
        self.__name = name
        self.__price = price
        self.__item = item

class Vest(Equipment):
    def __init__(self, name, price, item):
        super().__init__(name, price, item)

class Football(Equipment):
    def __init__(self, name, price, item):
        super().__init__(name, price, item)

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

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

class Field:
    def __init__(self, name, description, price_by_slot, category, type):
        self.__name = name
        self.__description = description
        self.__price_by_slot = price_by_slot
        self.__category = category
        self.__type = type

    def get_slot(self, field, date):
        pass

    def get_field_detail(self):
        pass

class Category:
    def __init__(self, fields):
        self.__field_category = fields
```

```
def search_field(self, date, catalog):
    pass

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

class QRCodeTransaction(Payment):
    def __init__(self, amount, created_on, payment_status, transaction_id, qr_code):
        super().__init__(amount, created_on, payment_status, transaction_id)
        self.__qr_code = qr_code

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