



```
from datetime import date
```

```
from enum import Enum
```

```
def main():
```

```
class Person():
```

```
def __init__(self, id, name, email, phonenumber, password):
```

```
    self._id = id
```

```
    self._name = name
```

```
    self._email = email
```

```
    self._password = phonenumber
```

```
    self._phone_number = password
```

```
    self._buying = []
```

```
class Admin(Person):
```

```
def __init__(self, id, name, email, phonenumber, password):
```

```
    super().__init__(self, id, name, email, phonenumber, password)
```

```
    pass
```

```
class User(Person):
```

```
def __init__(self, id, name, email, phonenumber, password):
```

```
    super().__init__(self, id, name, email, phonenumber, password)
```

```
    pass
```

```
class Buying:
```

```
def __init__(self, id, buying_date, total_price):
```

```
    self._id = id
```

```
    self._buying_date = date.today
```

```
    self._total_price = total_price
```

```
class PaymentStatus(Enum):
```

```
    WAIT_PAY, PAYED, CANCEL = 1, 2, 3
```

```
class Payment():
```

```
def __init__(self, id, paymet_date, transaction_id, pay_method, status_payment = PaymentStatus.WAIT_PAY):
```

```
    self._id = id
```

```
    self._transaction_id = transaction_id
```

```
    self._pay_method = pay_method
```

```
self._status_payment = status_payment
```

```
class Seats:
```

```
def __init__(self, row, cal):
```

```
    self.row = row
```

```
    self.cal = cal
```

```
class ShowSeat(Seats):
```

```
def __init__(self, seat_no, is_reserve, row, cal):
```

```
    super().__init__(self, row, cal)
```

```
    self._seat_o = seat_no
```

```
    self._is_reserve = is_reserve
```

```
class Trip:
```

```
def __init__(self, id, origin, destination, is_refundable):
```

```
    self._id = id
```

```
    self._origin = origin
```

```
    self._destination = destination
```

```
    self._is_refundable = is_refundable
```

```
    self._departure_point = []
```

```
class TripInstance:
```

```
def __init__(self, time_out, has_meal, destination, is_postponable):
```

```
    self._time_out = time_out
```

```
    self._boarding_point = []
```

```
    self._getoff_point = []
```

```
    self._has_meal = has_meal
```

```
    self._destination = destination
```

```
    self._is_postponable = is_postponable
```

```
class Bus:
```

```
def __init__(self, bus_number, number_of_seats, trip_date):
```

```
    self._bus_number = bus_number
```

```
    self._number_of_seats = number_of_seats
```

```
    self._trip_date = trip_date
```

```
    self._trips = []
```

```
class Company:

    def __init__(self, id, company_name, image):

        self._id = id

        self._company_name = company_name

        self._image = image

        self._bus = []

if __name__ == "__main__":

    main()
```