

```

classDiagram
    class Client {
        Name : string
        Address : string
        id : integer
    }
    class Stay {
        Start : date
        End : date
        calculatePrice()
    }
    class PlaneTicket {
        Reference : string
    }
    class HotelBooking {
        Room n° : integer
        Start : date
        End : date
        N° nights : integer
        Rec : string
        Smoking : boolean
    }
    Client "1" -- "*" Stay : reservation
    Client "1" -- "*" Stay : order
    Client "1" -- "*" PlaneTicket : travel document
    Stay "*" -- "1" PlaneTicket : transport
    Stay "1" -- "*" HotelBooking : reserved
    Client "*" -- "*" HotelBooking : reserved
  
```

Client

- Name : string
- Address : string
- id : integer

Stay

- Start : date
- End : date
- calculatePrice()

Plane Ticket

- Reference : string

Hotel Booking

- Room n° : integer
- Start : date
- End : date
- N° nights : integer
- Rec : string
- Smoking : boolean

Relationships:

- Client** (1) to **Stay** (*): reservation, order
- Client** (1) to **Plane Ticket** (*): travel document
- Stay** (*) to **Plane Ticket** (1): transport, origin
- Stay** (1) to **Hotel Booking** (*): reserved
- Client** (*) to **Hotel Booking** (*): reserved

Associations:

- Client** to **Stay**: client, stay
- Stay** to **Plane Ticket**: origin
- Hotel Booking** to **Stay**: reserved

Enums:

- Date**: <<DataType>>
- Room Type**: <<Enumeration>>
 - Single
 - Double
 - Family