1. "A given location can only accommodate one lesson at any given time slot on a given day."

2. "The same type of lesson can be offered in both modes (private, group)"

3. "All offerings are made available to potential instructors, but only those that have been taken by instructors are made available to the public"

```
context Offering
Inv: self.available = true implies self.status = 'taken'
```

4. "The public can view the organization's available offerings. However, in order to make a booking, one must first become a client"

```
context Booking::createBooking(account: Account, offering: Offering)
pre:
    account.ocllsTypeOf(Client)
```

5. "For someone who is underage (i.e. less than 18 yrs old), they would need an adult who will be acting as their legal guardian who can handle their bookings."

```
context Client
inv: self.age < 18 implies self.guardian → notEmpty()

context Booking::createBooking(client: Client, guardian: Guardian, offering: Offering)
pre:
    client.age >= 18 or (client.age < 18 and client.guardian = guardian)</pre>
```