

# SOEN 342 Project

## Section II

Franco Dominguez (40256199)

Ashkan Forghani (40176561)

Team #33

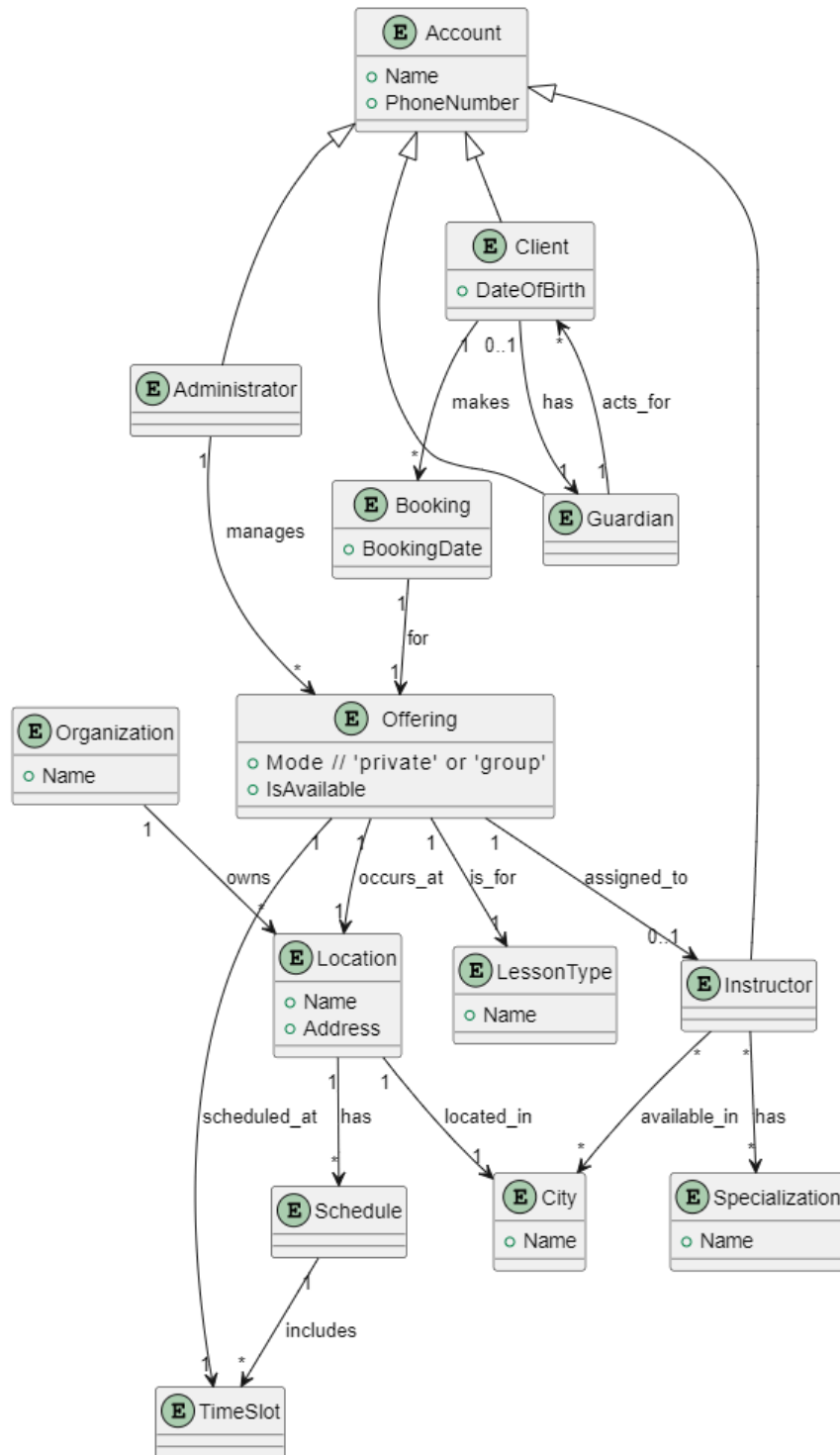
Iteration #3

Use Case 2:

Process Bookings

# Domain Model and Package Diagram

Lesson Booking System - Domain Model



# UML Interaction Diagrams

## System Sequence Diagrams

## System Operations

**Note:** The System Operations table on the right is the update one with methods pertaining to processing bookings.

System
getAvailableOfferings() viewAllRecords() createOffering(Offering offering) deleteAccount(Account account) register() login() viewOfferings() takeOffering(Offering offering) assignInstructor(Instructor instructor) markAsAvailable() addLocation(Location location)

System
getAvailableOfferings() viewAllRecords() createOffering(Offering offering) deleteAccount(Account account) register() login() viewOfferings() takeOffering(Offering offering) assignInstructor(Instructor instructor) markAsAvailable() addLocation(Location location) makeBooking(Offering offering) viewBookings() cancelBooking(Booking booking) handleBooking(Offering offering) cancel()

## Operation Contracts

**Note:** We have only added the operation contracts for processing bookings methods.

Contract CO11:

Operation:

Cross References:

Preconditions:

Postconditions:

# UML Class Diagram

**Note:** Class diagram already implemented bookings in iteration #2

Lesson Booking System - Class Diagram

