

# Questionnaire

## Section 1

Which conceptual modeling languages do you know?

UML

ORM

OntoUML

EER

ArchiMate

BPMN

Other: ...

How would you describe your expertise in conceptual modeling?

Beginner

Intermediary

Expert

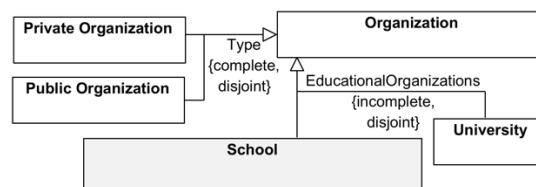
How many years of conceptual modeling experience do you have?

$\leq 1$  year

$>1$  and  $\leq 3$  years

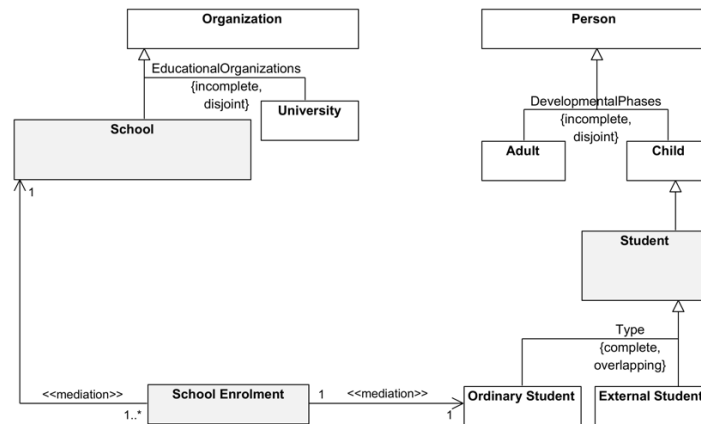
$>3$  and  $\leq 5$  years

$>5$  years



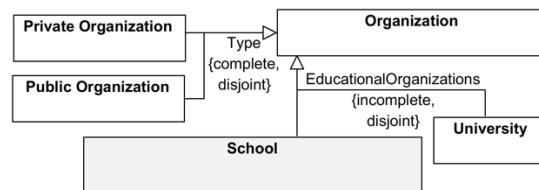
An Ordinary Student is a Student who has a School Enrolment.

- True
- False



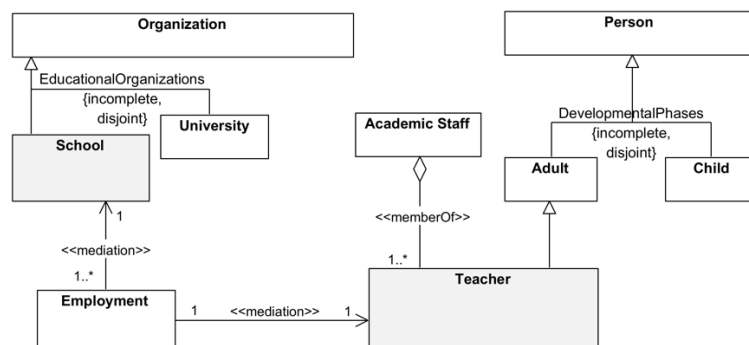
Can a University be a Private Organisation?

- Yes, because the distinction between Private and Public Organizations is orthogonal to the distinction among Educational Organizations.
- No, because the distinction between Private and Public Organizations cannot be combined with the distinction among Educational Organizations.



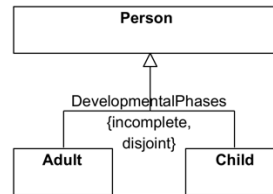
What types of elements make up 'Academic Staff'?

- Academic Staff consists of Teachers, defined as Adults who have an Employment Contract with the School.
- Academic Staff consists of Teachers, which can include any Adult Person.



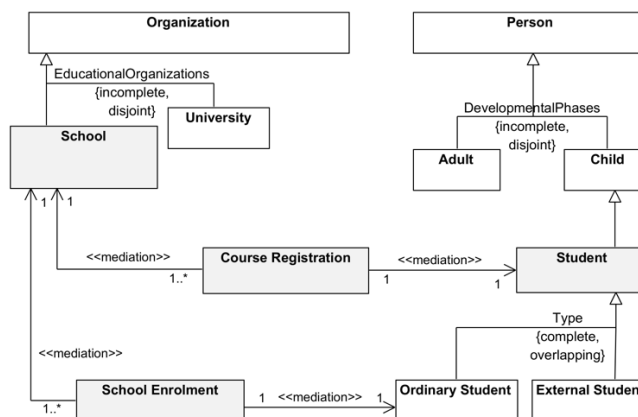
Are there any other developmental stages for Persons apart from Adults and Children?

- **Yes, because the distinction between Adults and Children is not complete.**
- No, because the model does not specify any additional stages.



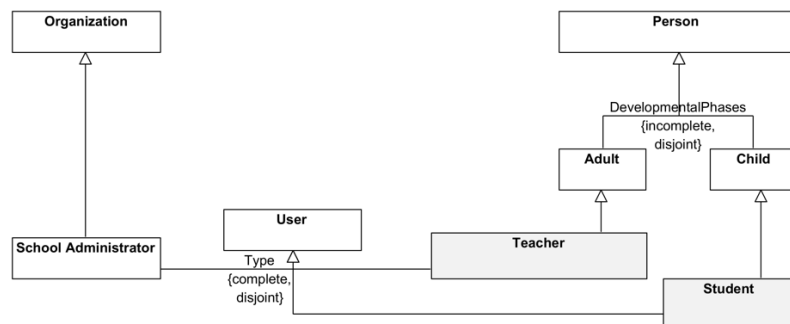
What are the requirements for a Person to register for a Course?

- Any Person can enroll, e.g., as an External Student.
- **Any Student can enroll.**
- Only Students who are enrolled at the School can register for a course.



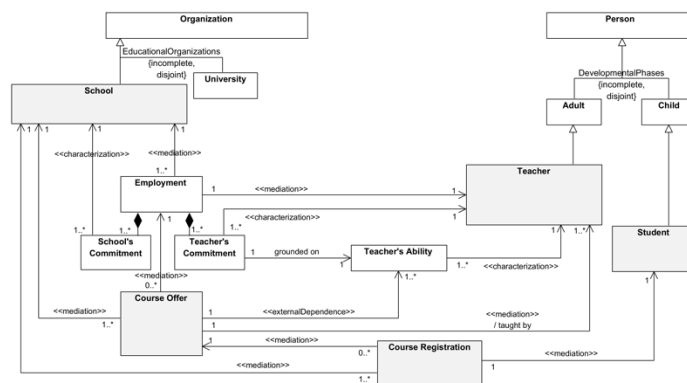
What criteria must a Person satisfy to become a User?

- A Person should be a Teacher.
- A Person should be a Student.
- **A Person should be either a Teacher or a Student.**
- Any Person is a User.



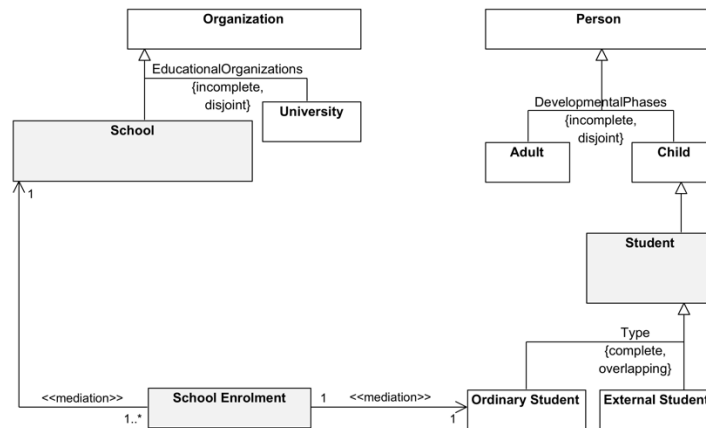
**Does Employment always require a Course Offer from the Teacher?**

No, a Teacher may have other commitments as part of the Employment.



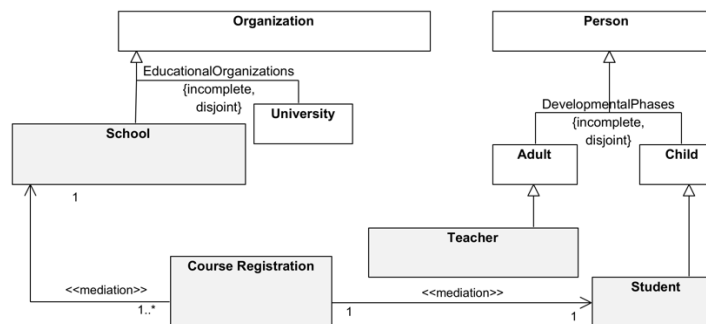
### Why do we need to include School Enrolment in the model?

The existence of the School Enrolment concept is mandatory if we want to distinguish between Ordinary and External students.



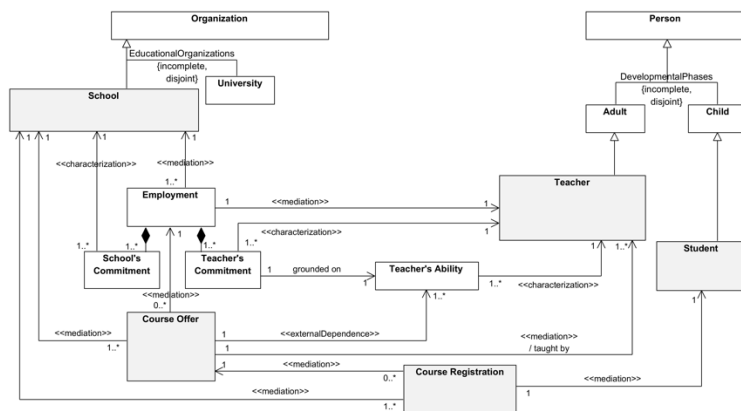
### How do we know that a particular Student has a relationship with a particular School?

Course Registration establishes the relationship between a Student and a School.



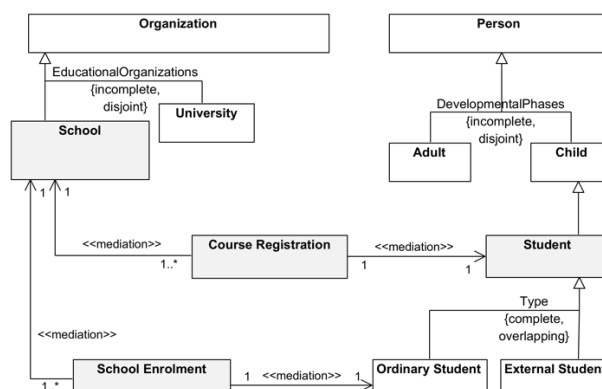
### Can the Teacher of one Course be a Student in another Course?

No, because Teachers and Students are distinct roles for Persons of different ages.



### Can the Student be an Ordinary student and an External student at the same time?

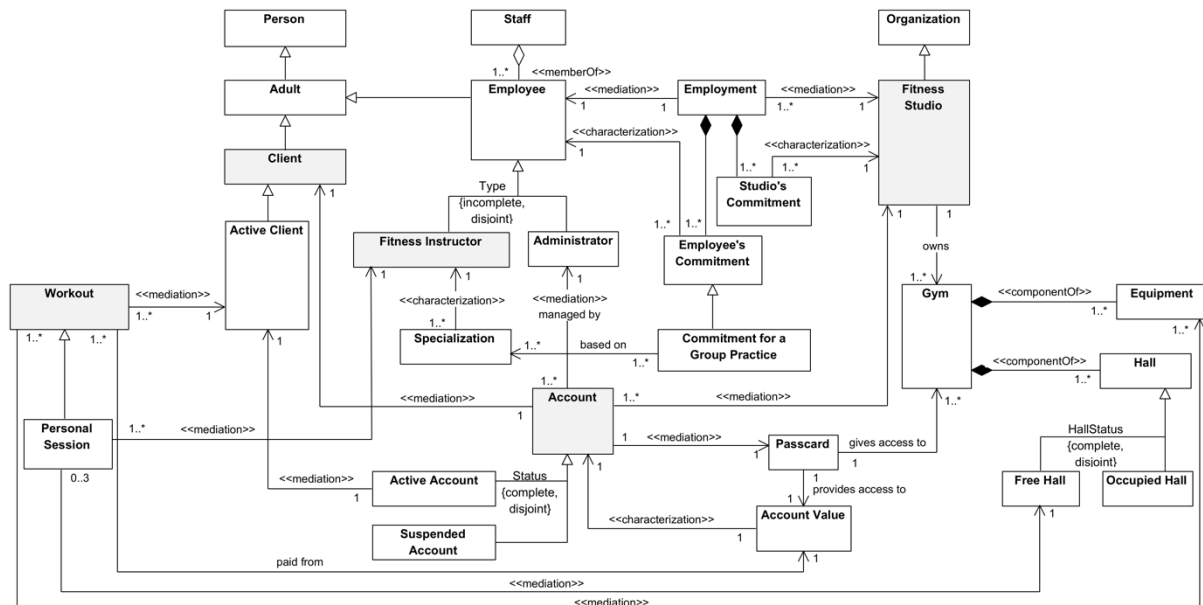
Yes, even if the Student has Enrolment in one School, he can be an External Student in another School.



## Section 2 – Model 2

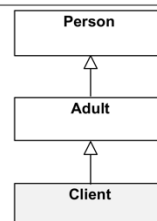
### The narrative for the model:

The Fitness Studio provides gym facilities for adults. Upon registration by the studio's administrator, clients are given an account through which they can pay for workout sessions. Clients may also schedule personal sessions with fitness instructors, which are held in the gym's available halls. Any client who has participated in sessions is considered an active client. Additionally, fitness instructors may conduct group training sessions.



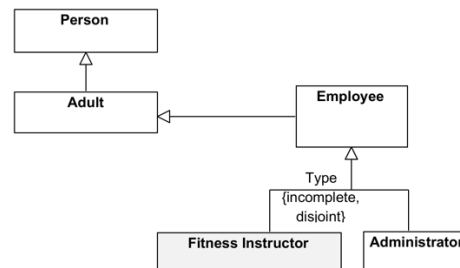
Every Client must be an Adult.

- True
- False



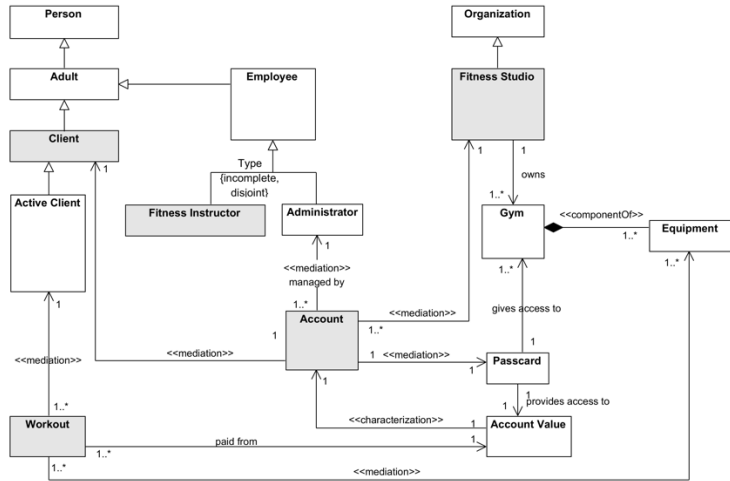
An Employee is either a Fitness Instructor or an Administrator.

- True
- False



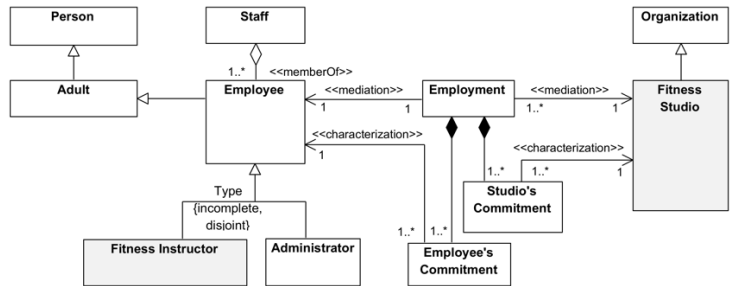
Workouts are mandatory for an Active Client.

- **True**
- **False**



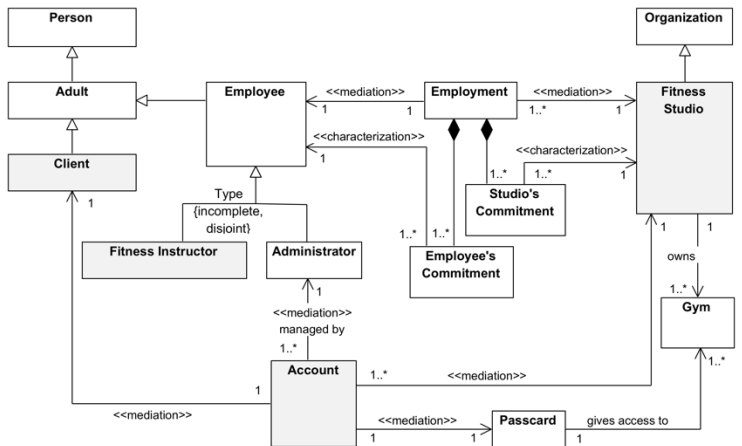
## What types of elements make up 'Staff'?

- **Staff unites**  
**Employees, defined**  
**as Adults who have an**  
**Employment Contract**  
**with the Fitness**  
**Studio.**
- Staff consists of  
Employees, which can  
include any Person.



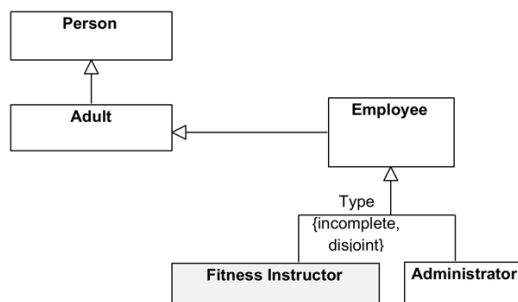
## What criteria does an Administrator need to satisfy?

- An Administrator should be an Adult Person.
- An Administrator should have an Employment Contract with a Fitness Studio.
- An Administrator should be able to manage Accounts.
- **All of the above.**



Are there any other types of Employees besides Administrators and Fitness Instructors?

- **Yes, because the distinction between Administrators and**

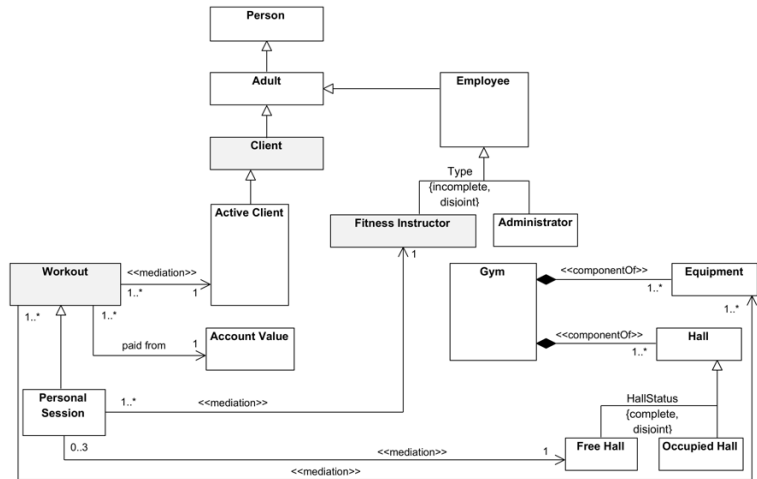


**Fitness Instructors is not exhaustive.**

- No, because the model does not specify any additional Employees.

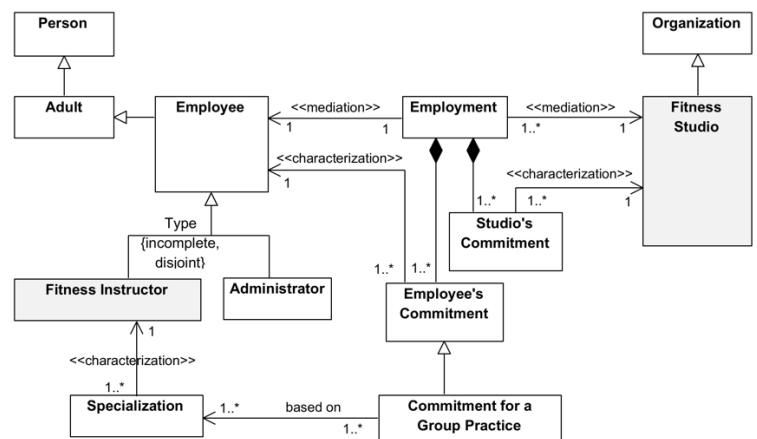
Can a Personal Session be paid from the Account Value?

- Yes, because any Personal Session is considered a Workout, which is paid from the Account Value.**
- No, because there is no direct connection between a Personal Session and the Account Value.



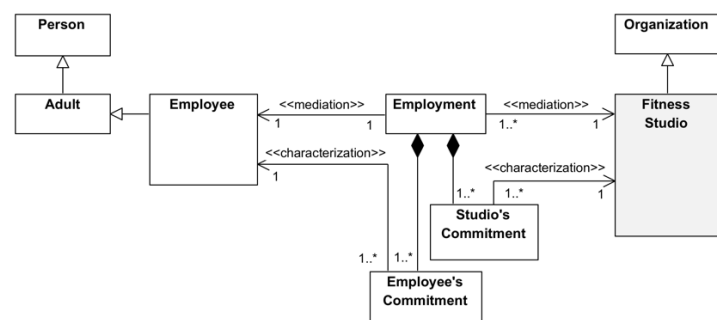
Does every Fitness Instructor have a commitment to a group practice?

- Yes, because the cardinality constraints require each Fitness Instructor to run at least one group practice.**
- No, because a Fitness Instructor may have other Employee Commitments.



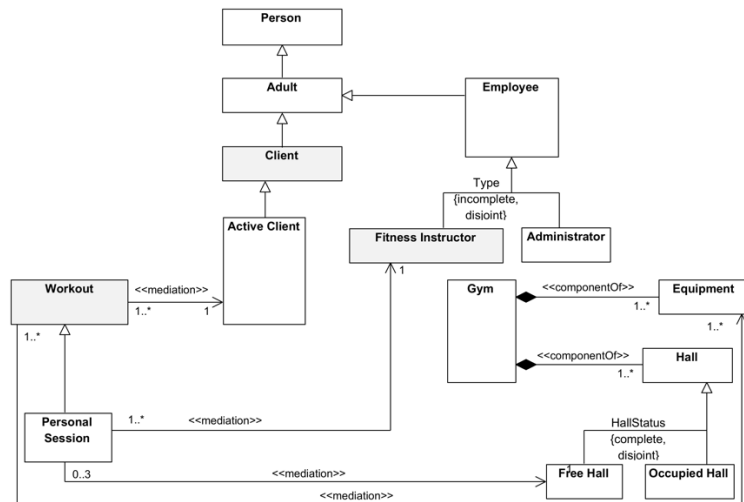
**How do we know that a particular Employee has a relationship with a particular Fitness Studio?**

Employment establishes the relationship between an Employee and a Fitness Studio.

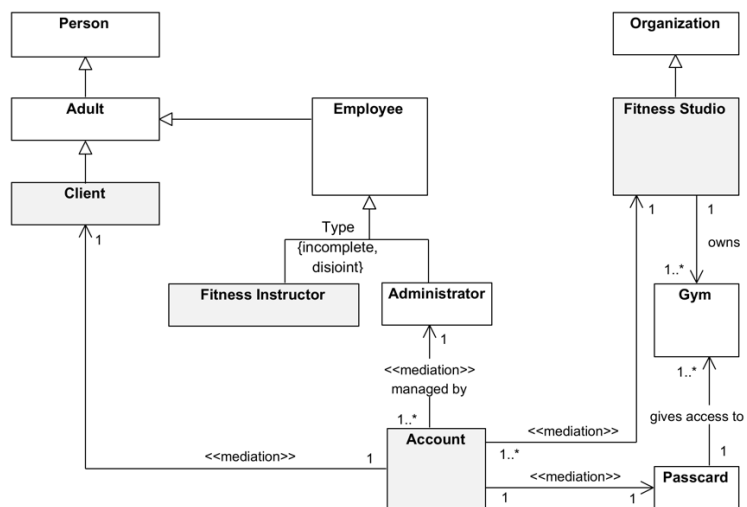




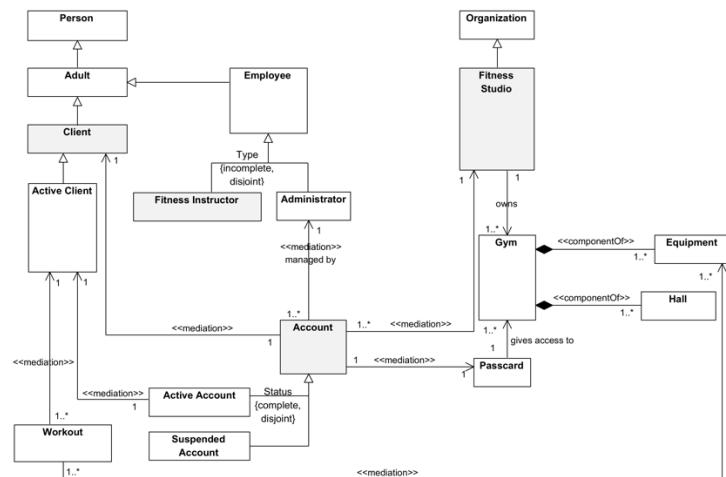
Yes, according to the model, a Fitness Instructor may be an Active Client who has requested a Personal Session with himself.



Account establishes the relationship between a Client and a Fitness studio.

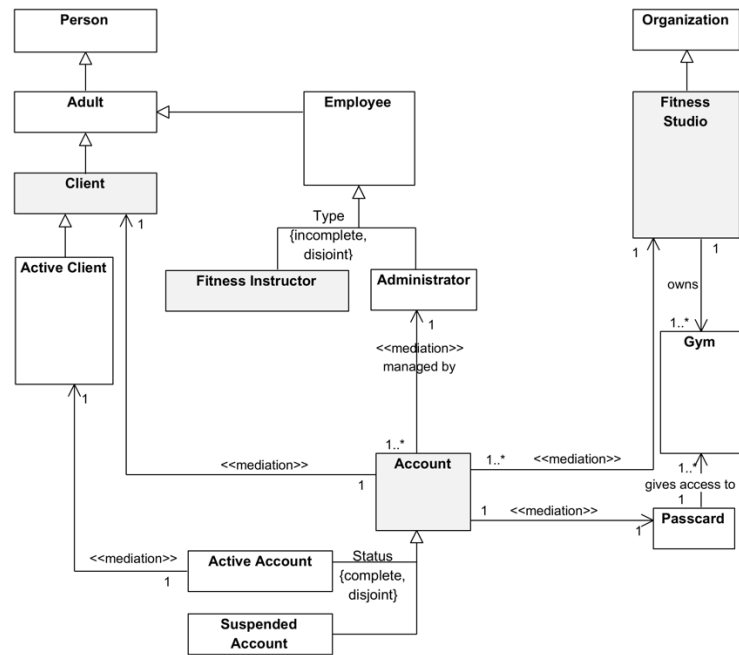


An Active Client is a Person who has an Active Account at a Fitness Studio and participates in Workouts.



### Can the same Person be an Active Client and have a Suspended Account?

Yes, a Person can be an Active Client at one Fitness Studio and have a Suspended Account at another.



### Section 3

I found that the models included all relevant information with sufficient precision and granularity.

Strongly agree ... Strongly disagree

I understood the models within the context of the question.

Strongly agree ... Strongly disagree

I did not need support to understand the models.

Strongly agree ... Strongly disagree

I was able to use the models with my basic knowledge.

Strongly agree ... Strongly disagree

I think that most professionals would learn to understand the models very quickly.

Strongly agree ... Strongly disagree

How many times was the given portion of the model insufficient, leading you to consult the original?

None ... All

Would you be able to modify the model if needed?

Very likely ... Very unlikely