

Entities

Client: People who select a trainer and subscribe to that trainer from the application via their credit cards.

Trainer: People who are selected and subscribed by clients and assigns a training program to their client's.

Training Program: A workout given for the client

Training session: A session which trainer and client has at the gym

Dietician: People who give a meal-plan to the client

Diet Program: The meal-plan which dietician gives to the client

Gym: Place where clients work out

Trainer Finder Application: The application which makes clients find a trainer

App Admin: Administrator of the app who is responsible from the app

Company: The trainers work under companies

Attributes

Client: Application account, application account client id, name, age, gender, weight, health status, training background, subscribed trainer, credit card

Trainer: Application account, application account trainer id, name, age, gender, weight, health status, mother tongue, experience, subscribed clients, written training programs, price

Training Program: TrainingProgram_id, Exercises, repetition and set amount of exercises, name of the program which indicates that who wrote this program for who

Dietician: Name, age, background, experience, degree of profession, Application account, application account dietician id, client name

Diet Program: DietProgramID, Meals, time period of the meals to be eaten, name of the dietician who had written the program and the name of client which the program had been written for

Gym: Weights, machines, stretching bands, medical equipments, address, staff, trainers, dieticians

Trainer Finder Application: name, Platforms which this application is available at, category of the app, price of the app, Publisher of the app, owner of the app, AppStore_id

App Admin: Tasks, position, Application admin id

Company: Name, trainers, location

Relations

Admins use the app to moderate the App.

Clients use the App

Trainers use the App

Clients can subscribe to as many trainers as they can, but all clients must be subscribed to at least a trainer, meanwhile a trainer doesn't have to be assigned to any clients.

Trainers make as many training programs as they can to their clients

All Trainers are employed by companies

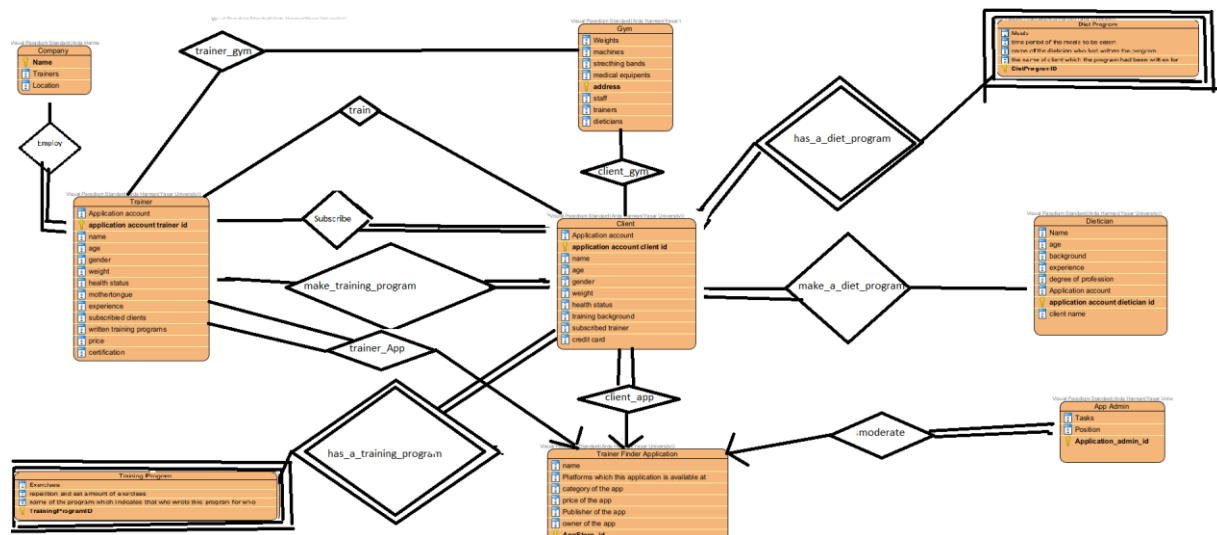
Trainers use gym train people

Clients use gym to get trained

Trainers train clients

Clients have to go to the room of their dietician at the end of the each session. Because unlike the trainers, dieticians must see their clients face to face to assign meal-plan/meal-plans in the healthiest way

All clients have training program/programs and diet program/programs



Relation Schemes

Client(Application account, application account client id, name, age, gender, weight, health status, training background, subscribed trainer, credit card)

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Gym(Weights, machines, stretching bands, medical equipments, address, staff, trainers, dieticians)

Trainer Finder Application(name, Platforms which this application is available at, category of the app, price of the app, Publisher of the app, owner of the app, AppStore_id)

App Admin(Tasks, position, Application admin id)

Company(Name, trainers, location)

Employ(application account trainer id, Name)

trainer_gym(application account trainer id, address)

train(application account trainer id, application account client id)

client_gym(application account client id, address)

Subscribe(application account trainer id, application account client id)

make_training_program(application account trainer id, application account client id)

has_a_training_program(TrainingProgram_id, application account client id)

has_a_diet_program(DietProgramID, application account client id)

make_a_diet_program(account dietician id, application account client id)

trainer_app(application account trainer id, AppStore_id)

client_app(application account client id, AppStore_id)

moderate(Application admin id, AppStore_id)

Relation Schemes After eliminating redundancies

Client(AppStore_id , Application account, application account client id, name, age, gender, weight, health status, training background, subscribed trainer, credit card)

Trainer(AppStore_id , Application account, application account trainer id, name, age, gender, weight, health status, mothertongue, experience, subscribed clients, written training programs, price)

Training Program(TrainingProgram_id, Exercises, repetition and set amount of exercises, name of the program which indicates that who wrote this program for who)

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App Admin(AppStore_id , Tasks, position, Application admin id)

Company(Name, trainers, location)

Employ(application account trainer id, Name)

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~~has_a_diet_program(DietProgramID, application account client id)~~

make_a_diet_program(account dietician id, application account client id)

~~trainer_app(application account trainer id, AppStore_id)~~

~~client_app(application account client id, AppStore_id)~~

~~moderate(Application admin id, AppStore_id)~~

Final design

Client(AppStore_id, Application account, application account client id, name, age, gender, weight, health status, training background, subscribed trainer, credit card)

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