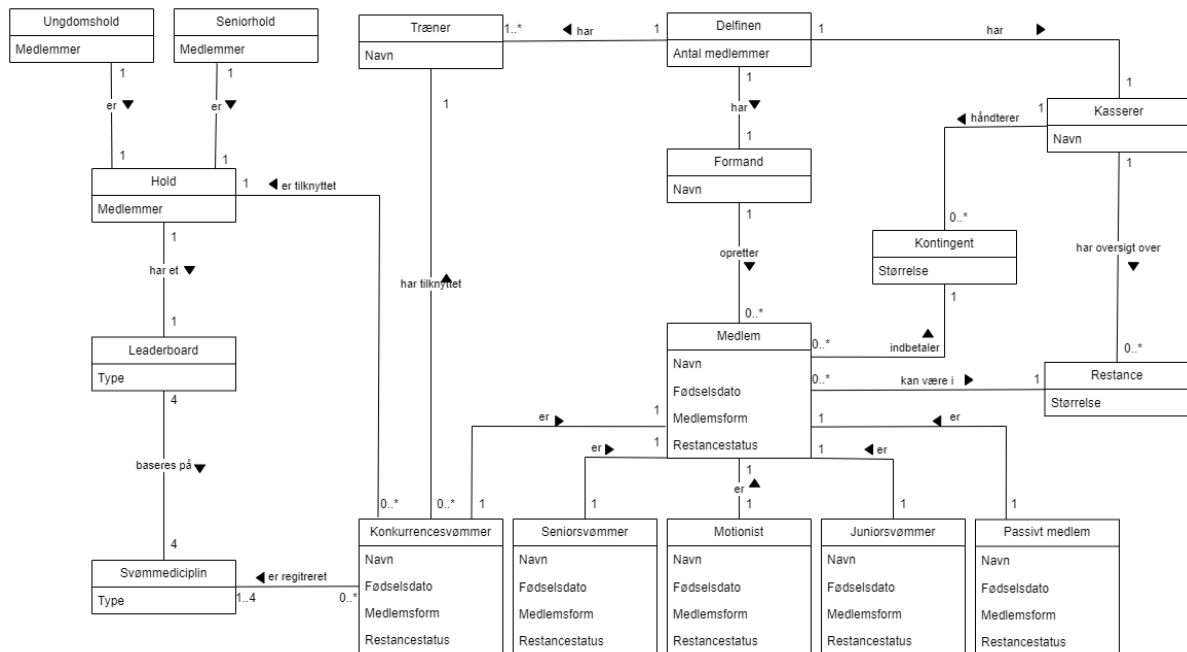## Domain Model:

Todo: *For de svømmere, der har deltaget i konkurrencer, registreres stævne, placering og tid.*
- Add something that encompasses the above ^
- Remove attributes from the sub-classes like the types of members and teams

Class Diagram:

Main

+ field: type

+ method(type): type

FileHandler

+ field: type

+ method(type): type

UserInterface

+ field: type

+ method(type): type

Controller

+ field: type

+ method(type): type

MemberDatabase

- members: ArrayList<Member>

+ method(type): type

JuniorMember

+ field: type

+ method(type): type

SeniorMember

+ field: type

+ method(type): type

PassiveMember

+ field: type

+ method(type): type

ExerciseMember

+ field: type

+ method(type): type

CompetitiveMember

+ field: type

+ method(type): type

Member

- name : String

- email : String

- age : int

- discipline : String

- subscribtion : Subscription

+ method(type): type

Subscription

- paymentDate: LocalDate

- cost: double

- paymentStatus: boolean

- debt: double

+ method(type): type

JuniorTeam

+ field: type

+ method(type): type

SeniorTeam

+ field: type

+ method(type): type

Team

- members: ArrayList<members>

- leaderboards: Leaderboard

+ method(type): type

Leaderboard

- results: ArrayList<Result>

+ method(type): type

Result

- member : Member

- time : double

- date : LocalDate

+ method(type): type