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| --- | --- |
| **Member** | |
| -MemberId | UUID |
| -Name | String |
| -Birthdate | Date |
| -Length | Double |
| -MembershipType | MembershipType |
| -Measurements | List <Measurement> |
| +getMemberId() : UUID | |
| +setMemberId (memberId:UUID) : void | |
| +getName():String | |
| +setName(name: String): void | |
| +getBirthdate():Date | |
| +setBirthdate(birthDate:Date):void | |
| +getLength():Double | |
| +setLength(lengthInCentimeters:Double):void | |
| +getMembership():MembershipType | |
| +setMembership(membershipType:MembershipType):void | |

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| --- | --- |
| **Measurement** | |
| -currentDate | Date |
| -Weight | Double |
| -BMI | Double |
| -FatPercentage | Double |
| -LeanBodyMass | Double |
| -FatMass | Double |
| +getCurrentdate():Date | |
| +setCurrentdate(currentDate:Date):void | |
| +getWeight():Double | |
| +setWeigt(weightInKilograms:Double):void | |
| +getBMI():Double | |
| +setBMI(BMI:Double):void | |
| +getFatPercentage():Double | |
| +setFatPercentage(fatPercentage:Double):void | |
| +getLeanBodyMass():Double | |
| +setLeanBodyMass(leanBodyMass:Double):void | |
| +getFatMass():Double | |
| +setFatMass(fatMass:Double):void | |

Enumeration

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| <<enumeration>>  **MembershipType**  Wooden  Silver  Gold |