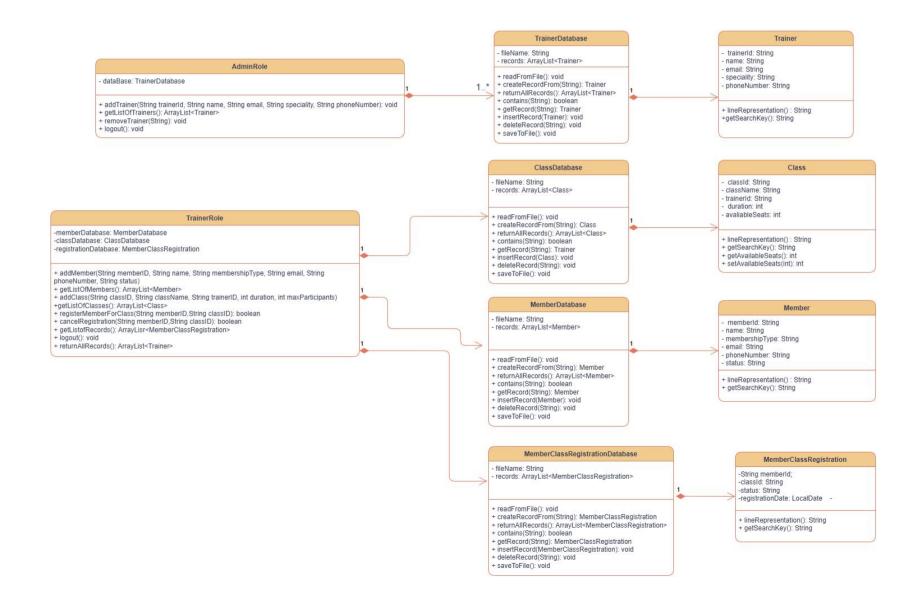
Initial UML Diagram



Refactored UML Diagram <<abstract>> Database<T> AdminRole dataBase: TrainerDatabase - fileName: String - records: ArrayList<T> + addTrainer(String trainerId, String name, String email, String speciality, String phoneNumber): void + getListOfTrainers(): ArrayList<Trainer> + readFromFile(): void + createRecordFrom(String): T + removeTrainer(String): void + returnAllRecords(): ArrayList<T> + logout(): void + contains(String): boolean + getRecord(String): T + insertRecord(T): void + deleteRecord(String): void + saveToFile(): void Extends TrainerDatabase << interface >> Extends + createRecordFrom(String): Trainer Representable Extends getSearchKey(): String + lineRepresentation: String MemberClassRegistrationDatabase MemberDatabase ClassDatabase Trainer + returnAllRecords(): ArrayList<Member> - records: ArrayList<MemberClassRegistration> trainerld: String + createRecordFrom(String): Class - name: String + createRecordFrom(String): MemberClassRegistration - email: String TrainerRole - speciality: String -memberDatabase: MemberDatabase - phoneNumber: String -classDatabase: ClassDatabase -registrationDatabase: MemberClassRegistration + addMember(String memberID, String name, String membershipType, String email, String Class phoneNumber, String status) - classId: String - className: String + getListOfMembers(): ArrayList<Member> + addClass(String classID, String className, String trainerID, int duration, int maxParticipants) +getListOfClasses(): ArrayList+Class> - trainerId: String + registerMemberForClass(String memberID,String classID): boolean duration: int + cancelRegistration(String memberID,String classID): boolean - avaliableSeats: int + getListofRecords(): ArrayLisr<MemberClassRegistration> + logout(): void + returnAllRecords(): ArrayList<Trainer> + getAvailableSeats(): int + setAvailableSeats(int): int Member memberld: String - name: String - membershipType: String - email: String - phoneNumber: String MemberClassRegistration - status: String -String memberld; -classId: String -status: String -registrationDate: LocalDate -