Person

+ ID: int
+ name: string

newPerson(string): int

User

+ habits: list(Habit)
+ habitNum: int
+ coach: Coach *

+ newUser(string): int
+ displayHabits(habits): list(habit)

Coa

+ users: list(User)

+ newCoach(string): int
+ displayAllUsers(users): b
+ addUser(users, userID):
+ deleteUser(users, userID
+ viewUserHabits(User): lis
+ checkinPushNotification(

Habit

+ habitID: int
+ habitName: string
+ habitHistory: reference

+ newHabit(string): Habit *
+ displayHabit(): void
+ deleteHabit(Habit *, int *): void
+ checkin(HabitHistory *): void

HabitHistory

+ habitID: int
+ habitCheckins: list(Checkin)

+ newCheckin(): Checkin *
+ displayHistory(habitCheckins): void

Checkin

+ habitCheckinID: integer
+ checkinDate: date
+ comments: list(Comment)

+ addComment(Comment): Comment
+ displayCheckin(habitCheckinID):void
+ addComment(comments, Person *):Comment *

+ c
+ c
+ c
+ c

+ c

ch

bool
bool
): bool
st(Habit)
UserID, Checkin):void

Comment

commentID: integer
commentText: string
commentDate: date
commenter: Person *

displayComment(): void