

Lab 4.4 Improving the club class

Group n°5 :

DEVOUCOUX Grégoire (Scribe) - LASFAR Nisrine - HACQUART Virgile - ROUIBAH Bilal (Group Leader) - ILEKTI Linda (Time Keeper)

Q1 : The problem is probably because the Club class has not yet been configured to properly store members in a list.

The ClubDemo class is designed to create a Club object and add two members (David and Michael) to this club. ClubDemo's demo method adds members and displays the number of members in the club.

The current behavior of the demo function is as follows:

- Club object creation: A Club object is created in the ClubDemo constructor.
- Adding members: ClubDemo's demo method adds two members (David and Michael) to the club by calling the join method from the Club object.
- Membership Display: The demo method displays the number of members in the club by calling the numberOfMembers method of the Club object.

The problem is that the join method of the Club class does nothing (it is empty), so members are not actually added to the club.

Q2 : The relationship between the "Club" class and "Membership" class is an aggregation relationship, characterized by a "has-a" association where the "Club" class contains multiple "Membership" classes instances, but these memberships can exist independently of the Club.