

Changes I made and why:

1. I changed the members section of the code to become an extensible class that has 3 extensions: student, faculty, and community. I did this because it demonstrates Inheritance and Abstraction because its an abstract class and seemed the best place in the code to demonstrate these parts of OOD
2. As more of a general change I made it so almost all the classes have private variables specifically to demonstrate encapsulation.
3. FitnessCenter acts as a facade, making the interactions between managers easier.
4. Main is responsible only for user input and menu navigation

Overall I could not for the life of me figure out packages. I know my code would work if the packages were fixed but the issue eludes me. My guess is that maybe the Bin has duplicate class files in it messing with my code but I couldn't figure out how to fix this. I hope my clear and correct design makes up for the errors. Thank you.