Examination: Quiz 03   **CSE470**: Software Engineering   **Semester**: Summer 2023
Duration: 15 Minutes   **Full Marks**: 10
No. of Questions: 1   **No. of Page(s)**: 1

Name:	ID:
(Please write in CAPITAL LETTERS)	Sec:

Answer the following questions. **[CO2]**

Suppose you are making a software named **"Virtual Fitness Training Platform"** & you got a business proposal as stated here,

Business Proposal:
Our virtual fitness training platform aims to revolutionize the fitness industry by providing users with a convenient and personalized fitness experience from the comfort of their homes. The platform will connect fitness enthusiasts with certified trainers, offering a wide range of virtual training programs and features. Our goal is to make fitness accessible, flexible, and enjoyable, catering to individuals of all fitness levels.

According to the proposal your team identified few features that you must consider,

Key Features:

1. User Registration and Profile Creation *(goals, preferences, and fitness level, etc)*
2. Trainer Matching *(match users with trainers based on their goals, availability, etc.)*
3. Virtual Training Sessions
4. On-Demand Workouts *(Users can access pre-recorded workout videos, etc)*
5. Goal Tracking and Progress Monitoring
6. Nutrition Guidance *(nutrition guidance and meal plans)*
7. Community Interaction
8. Challenges and Rewards
9. Integration with Fitness Trackers *(fitness trackers and wearable devices to automatically sync and track users' fitness data)*
10. Secure Payment and Subscription Management

Q I. Now that you have all the requirements ready it's time to present your work to the team and to give a good visual presentation you have to choose a UML Diagram and have already given use-case diagram now you **decided to draw class diagram** to finalize all the classes and make a detailed blue-print for this platform.