**BRAC UNIVERSITY**

**Department of Computer Science and Engineeoaring**

Examination: Quiz 4 Duration: 35 min

Semester: Spring 2024 Full Marks: 20

**CSE 470: Software Engineering**

**Name: ID: Section:**

**Set-A**

We all know that Messi is the G.O.A.T of football. But it is true that he cannot play forever as he will have to retire. That's why he wants to make an app so that he can help the other students who want to be like him. He thinks that “10 minutes School of GOAT '' will be his app name. He will take classes once a week. He does not want to add other footballers who are also famous (but not that much, like Ronaldo). So, only Messi will take the classes. But other footballers like Ronaldo, Salah, Neymar etc. can follow Messi so that when Messi uploads any video they can get the notifications and learn from the videos. Also Messi wants to use AI based software to track the students for their particular course and also their payments issues and so on.

1. Which pattern/patterns can be more suitable for the above scenario and why. [8]
2. Write the code based on the above scenario. [12]