CS447-003: Lecture Note (Lecture #17, March 14, 2024)

1. **Pick up:**

   - Attendance card
   - Exercise questions on March 14

2. **Announcements:**

   - Next quiz (Quiz #7) is scheduled on 3/19.

3. **Project #3 will be introduced on 3/15** (only to the graduate students)

   - Will be emailed to graduate students.

4. **Medium Access Control (MAC)**

   - Concept ("What is MAC for?")

   - Three different types or "MAC" (central MAC, token MAC, contention MAC)

   - CSMA (Carrier Sense Medium Access) contention MAC – the standard MAC for Ethernet

     - Packet collisions
     - Persistency algorithms (no-persistent, 1-peresistent, p-persistent algorithms)
     - Performance analyses (as exercises)

   - CSMA-CD (Carrier Sense Medium Access with Collison Detection)

     - BEB (Binary-Exponential-Backoff) algorithm
     - Performance analyses (as exercises)

5. **Quiz #7 preview (5 to 10 minutes)**