Discussion Question 1: Protocol Structure (~15 minutes)

Alice and Mila are Swatties starting out their semester and are roommates. Alice wants to give Mila a reminder to get milk.

1. **Structure of the message:**
    - Construct the message that Alice posts to Mila. (Example on class slides)
    - Other than the sender/receiver information, what other metadata about the message might you add?

2. **Organizing a drop-off point.**
    - Who chooses the drop-off point?

3. **Write a protocol to write a note /post—it to your housemate. A protocol defines the message format and the transfer procedure.**

Alice moves to Chicago and Mila to Seattle for summer internships. Alice wants to send Mila a birthday card. Think of this as filling two different pieces of information (1. the birthday card, 2. the mailing envelope).

1. **Construct the message and header portions. Have these changed from the previous scenario?**

2. **List the message format and transfer procedure of the "mail sending protocol" that Alice uses.**
   a. **Who chooses the drop-off point?**
   b. **Is this the only protocol used by Alice to deliver mail to Mila?**

3. **Message transportation and delivery. Whose job is it to:**
   a. **choose the carrier?**
   b. **plan the route?**
   c. **deliver the message?**
   d. **ensure the message is not lost?**