Advanced Management of Data
Exercise 2 Topic 1:
Unified Modeling Language

Draw an UML diagram that models this information
Translate the UML diagram to a relational schema

People use digital calendars for managing their appointments. Everybody has its own calendar and may browse each others calendar and it is possible to book common appointments. An appointment starts and ends at a given time on a given day and is described by a text. It can be specified that the calendar owner gets reminded of an appointment and also how long before the appointment this should happen. Reminders are of different kinds: a signal in the computer's loudspeaker, a pop-up window with the description, or an e-mail containing the description.

Draw an UML diagram that models this information
Translate the UML diagram to a relational schema

- Consider a tiny social network containing university students and their "crushes" (desired romantic relationships). Each student may have a crush on at most one other student, and associated with each crush is the beginning and length of time the crush has been going on. Students have a name and a semester count, and names are unique.

- Hint: Make sure to capture the asymmetry and multiplicity of the crush relationship.

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