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Computer Networks and Distributed Systems
Exercise Sheet 1

General Information: Successful completion of the practical class requires:

- Preparation of 40% of the exercises (there will be 30 exercises)
- 8/20 points in the programming exercise

Exercise 1.1

a) A grandmother sends a packet to her grandson for his birthday. After receiving the packet he thanks his grandmother by sending a postcard. Create a time sequence diagram for this scenario with the two actors grandmother and grandson (see slides 10 and 17).

b) Create a time sequence diagram for a telephone call with the actors caller, callee and switching center.

Exercise 1.2

a) Explain different types of communication in regard to the number and the selection of the recipients. Give examples for each type.

b) Explain the terms simplex, duplex and half-duplex and their differences.