بسمه تعالى

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تمرین ۱: فصل ۲ کتاب Spec. of Soft. Sys.

2.3 Exercises

- Enumerate the essential requirements of a communication channel between two processes. Identify safety and security properties.
- Assume that software for Automated Teller Machine (ATM) is to be constructed following the process model in Fig. 2.1. Answer the following questions:
 - What is the domain of application? Enumerate a few domain entities, the attributes for each entity, and the relationship among the entities. What properties of entities govern security? Develop a property to be verified in the software implementing the ATM.
 - Describe the environment for ATM to function. What constraints are to be imposed by the software on the environment? What constraints the environment may impose on the software?
 - What software components should be formalized? For each formal unit state the property to be verified in it.