AVAILABILITY

- An *available* system is one that can respond to its users' requests in a reasonable timeframe

Non-Repudiation

- The goal of *non-repudiation* is to ensure Undeniability of a transaction by any of the parties involved.

AUTHENTICATION

AUTHENTICATION

- When exploring authentication with Alice and Bob, the question we want to ask is:

- if Bob wants to communicate with Alice, how can he be sure that he is communicating with Alice and not someone trying to impersonate her?

AUTHENTICATION

- Bob may be able to authenticate and verify Alice's identity based on one or more of 3 types of methods:
  - something you know,
  - something you have, and
  - something you are.