

CS530

Authentication

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Identification vs. Authentication

- ➡ **Identification**
 - associating an identity (or a claimed identity) with an individual, process, or request
- ➡ **Authentication**
 - verifying a claimed identity
- ➡ **Ex: user ID is identification, password is authentication**

Basis for Authentication

- ➔ **Ideally**
 - = who you are

- ➔ **Practically**
 - = something you know
 - e.g., password
 - = something you have
 - e.g., smartcard, magnetic stripe card, passport, driver's license
 - = something about you
 - e.g., face, hand, voice, fingerprint (i.e., biometrics)
 - sometimes mistakenly called things you are

- ➔ **Note: policy determines how and what to do**