Safety: Examples

- **Safety = guarantee that something bad will never happen**
- **Examples in Real World**
  - A peace treaty between two nations provides safety
    - War will never happen
  - An innocent person will never be jailed
- **Examples in a Distributed System**
  - There is no deadlock in a distributed transaction system
  - No object is orphaned in a distributed object system
  - "Accuracy" in failure detectors
  - In Consensus: No two processes decide on different values