

Project Website: Requirements

- ◆ Series of bullets, each describing a key **non-functional characteristic** of your system
- ◆ **Functional** requirements (4-5 bullets at least)
 - ▶ Logical characteristics or operations of your system
- ◆ **Non-functional** characteristics include
 - ▶ Reliability, safety, security, portability, timeliness, performance
- ◆ For each bullet, state the requirement that you expect/want your project to meet
 - ▶ Clearly, we might not reach that goal – that's okay as long as we understand why and what the new reality of the requirement is
- ◆ Example
 - ▶ Functional requirement: Accepts barcodes as input information, accepts RFIDs as input information, converts barcode to descriptive product information to display on phone, converts phone display to audio input to the user, etc.
 - ▶ Timing requirement: Provides a response to the blind end-user within no more than 5 seconds of the user scanning a barcode
 - ▶ Reliability requirement: Continues to provide service even under the loss of a single message. The Trinetra system will not protect against hardware crashes.