

Chapter 2 Slide 73 Exercise

1. Identify 3 QAs for each system

	Availability	Security	Performance	Interoperability	Modifiability	Testability	Usability
Enterprise inventory control	/	/					/
Smart phone map app	/		/			/	
Video game			/		/		/
Social network site	/				/		/

2. Specify the most important QA for each system using scenario

- a. Enterprise inventory control: security
 - i. Source stimulus: an unauthorized staff
 - ii. Stimulus: tries to change data
 - iii. Artifact: system's service; data within system
 - iv. Environment: online or offline
 - v. Response: blocks access to the data
 - vi. Response measure: blocks the unauthorized user in two seconds
- b. Smart phone map app: availability
 - i. Source stimulus: internal system
 - ii. Stimulus: crash
 - iii. Artifact: processes
 - iv. Environment: normal operation
 - v. Response: system detect the event
 - vi. Response measure: time taken to repair under ten seconds
- c. Video game: performance
 - i. Source stimulus: game player
 - ii. Stimulus: initiate the game
 - iii. Artifact: system
 - iv. Environment: normal operations
 - v. Response: the game is initiating
 - vi. Response measure: with average latency of three seconds
- d. Social network site: usability
 - i. Source stimulus: end user
 - ii. Stimulus: wants to learn system features
 - iii. Artifact: system

- iv. Environment: at runtime
- v. Response: system provides familiar interface to the user
- vi. Response measure: time taken to complete the task is under three minutes