

## Exercise C2: Identify the Quality Attributes

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Identify 3 QAs for each system

	Availability	Security	Performance	Integration	Modifiability	Testability	Usability
Enterprise inventory control		/	/				/
Smartphone map app	/	/				/	
Video game			/		/	/	
Social network site	/	/					/

Specify the most important QA for each system using scenario

### 1) Enterprise inventory control:

#### **Security**

Source of stimulus: Correctly identify user identity

Stimulus: Tries to modify the information of inventory

Environment: Under normal operations

Artifact: Data within the system

Response: System maintains the audit trail

Response measure: Correct data is restored within a day

### 2) Smartphone map app

#### **Availability**

Source of stimulus: external to system(user input)

Stimulus: incorrect response

Environment: normal operation

Artifact: Process

Response: move to degraded mode during repairing

Response measure: Repair time should not more than 3 hours

### 3) Video game

#### **Modifiability:**

Source of stimulus: Developer

Stimulus: add new functionalities

Environment: Design time

Artifact: Code

Response: Modification is made without affecting to other functionalities

Response measure: The modification should be completed within 3 hours

### 4) Social network site

#### **Usability:**

Source of stimulus: End user

Stimulus: minimize the impact of errors

Environment: at Runtime

Artifact: System

Response: able cancel the current operations

Response measure: Cancellation takes less than one second