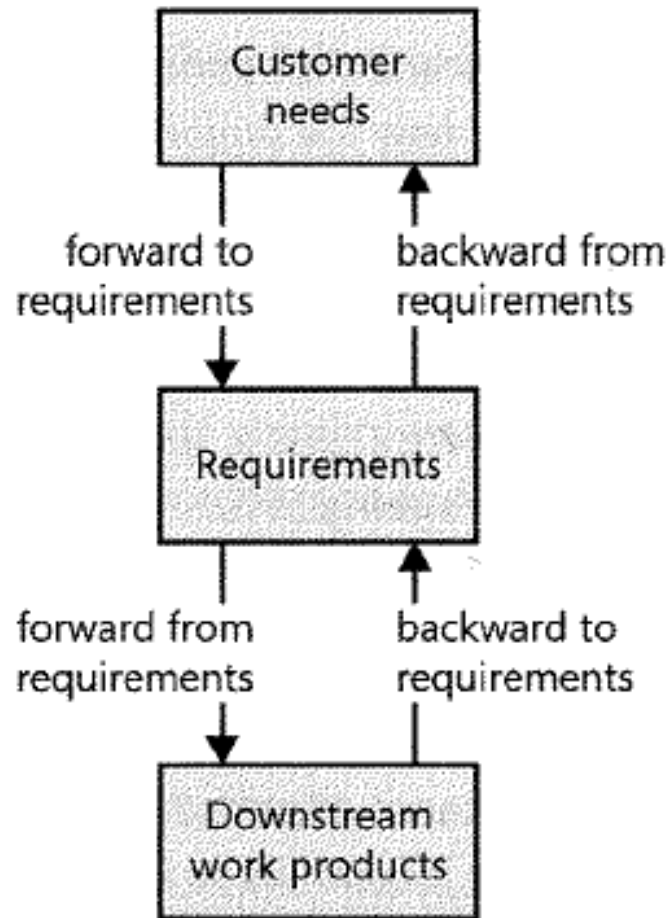


# Links in the requirements chain

Chapter 29

# Four Types of Requirements Tracing (pg. 492)



**FIGURE 29-1** Four types of requirements tracing.

# Possible Requirements Trace Links (pg. 493)

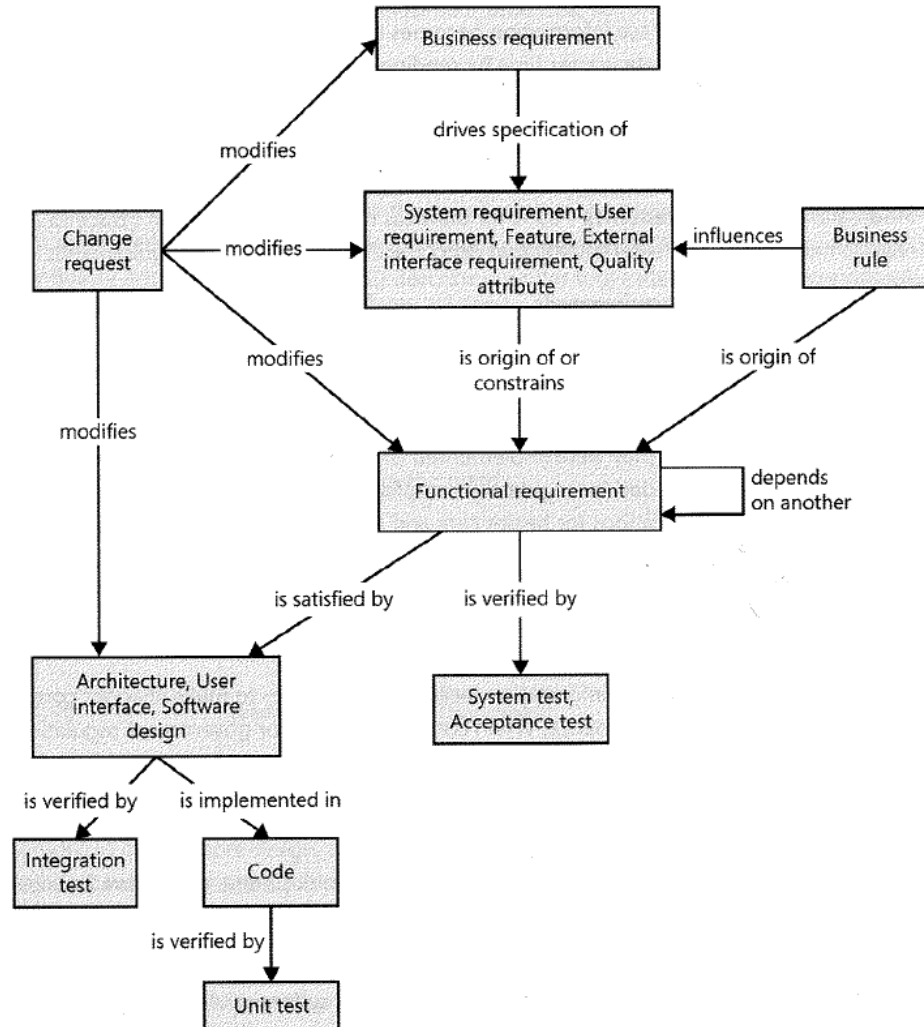


FIGURE 29-2 Some possible requirements trace links.

# Traceability - Single Matrix for All (pg. 495)

**TABLE 29-1** One kind of requirements traceability matrix

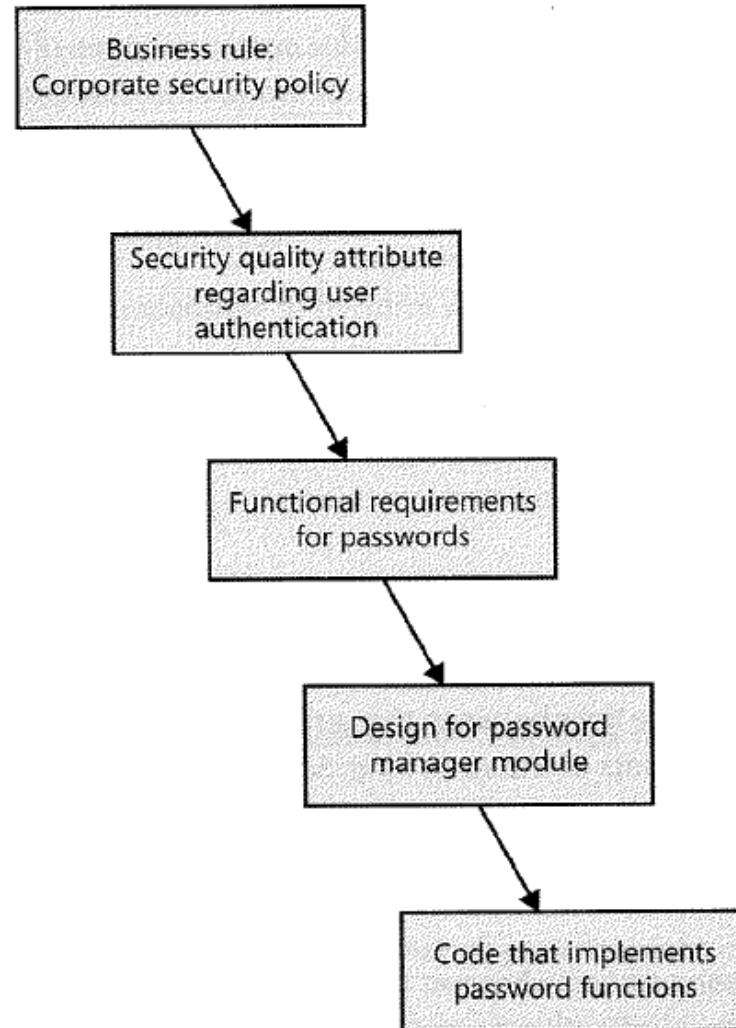
User requirement	Functional requirement	Design element	Code element	Test
UC-28	catalog.query.sort	Class catalog	CatalogSort()	search.7 search.8
UC-29	catalog.query.import	Class catalog	CatalogImport() CatalogValidate()	search.12 search.13 search.14

# Traceability – Multiple Matrices (pg. 496)

**TABLE 29-2** Requirements traceability matrix showing links between use cases and functional requirements

Functional requirement	Use case			
	UC-1	UC-2	UC-3	UC-4
FR-1	↙			
FR-2	↙			
FR-3			↙	
FR-4			↙	
FR-5		↙		↙
FR-6			↙	

# Security – Sample Traceability Chain (pg. 497)



**FIGURE 29-3** Sample traceability chain for requirements dealing with application security.