

Links in the requirements chain

Chapter 29

Four Types of Requirements Tracing (pg. 492)

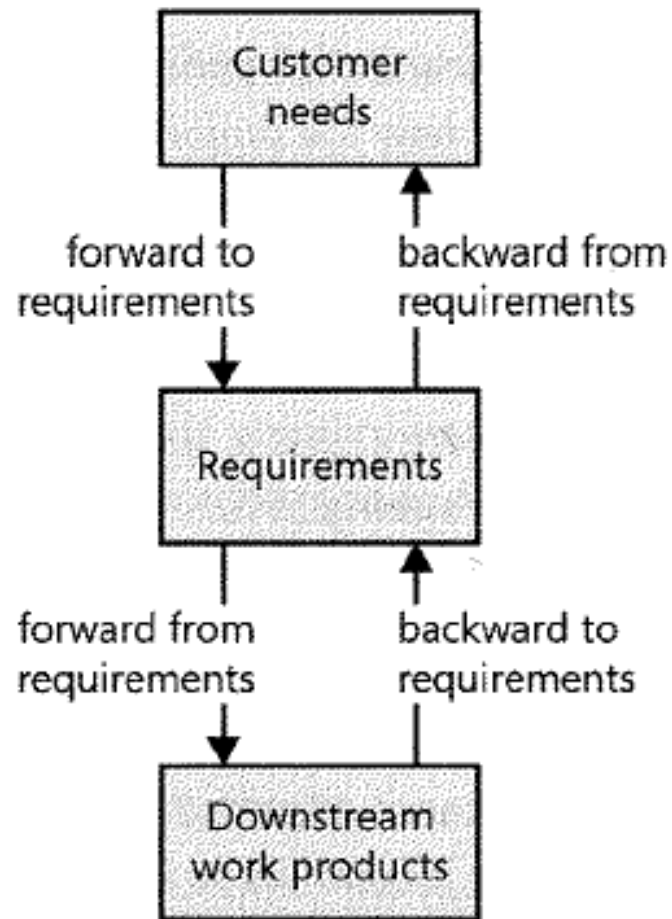


FIGURE 29-1 Four types of requirements tracing.

Possible Requirements Trace Links

(pg. 493)

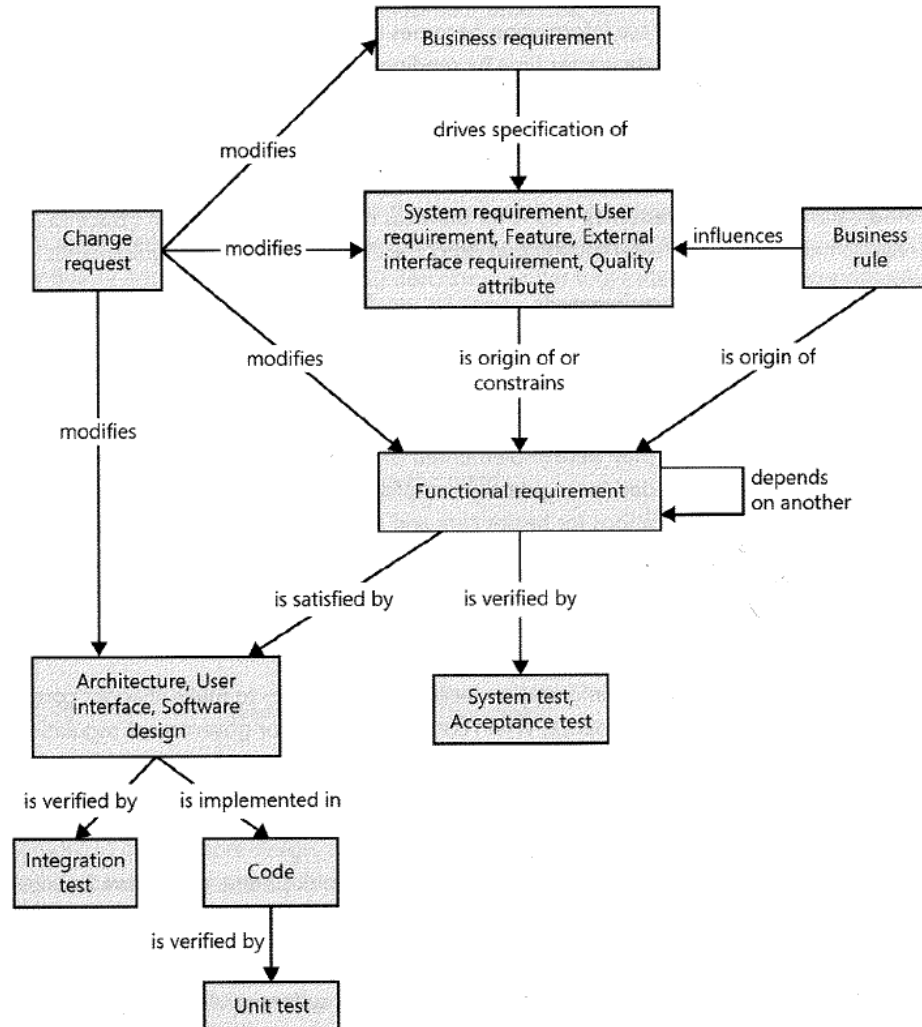


FIGURE 29-2 Some possible requirements trace links.

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)

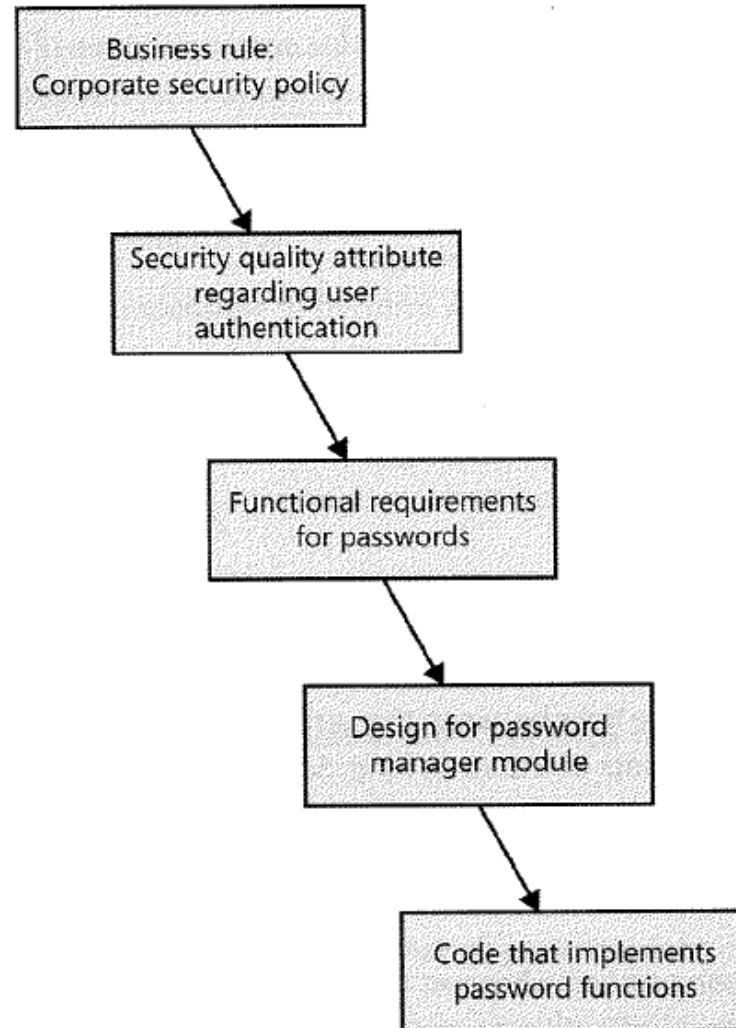


FIGURE 29-3 Sample traceability chain for requirements dealing with application security.