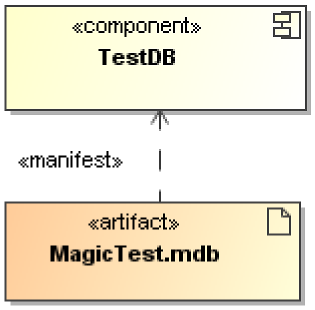
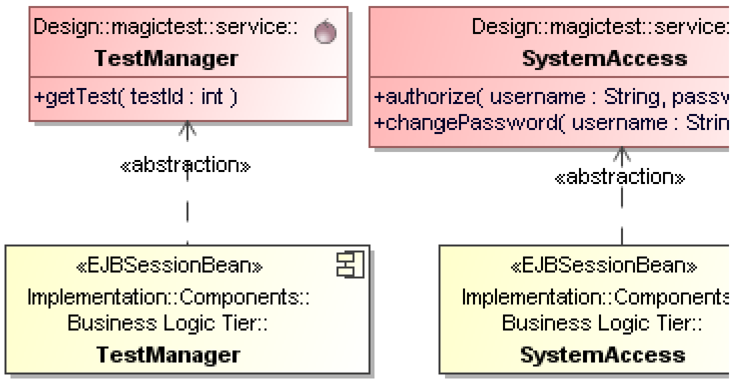
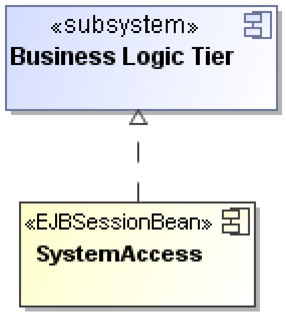
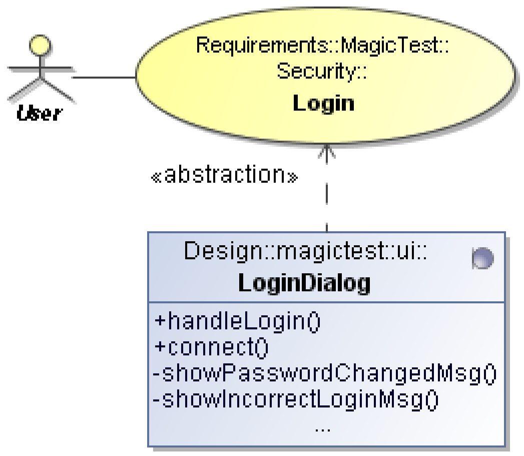
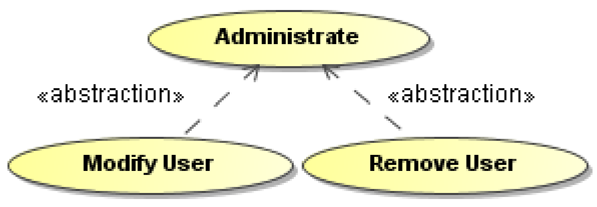
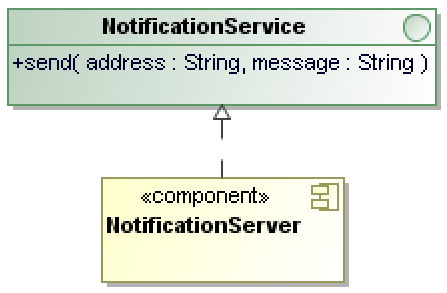
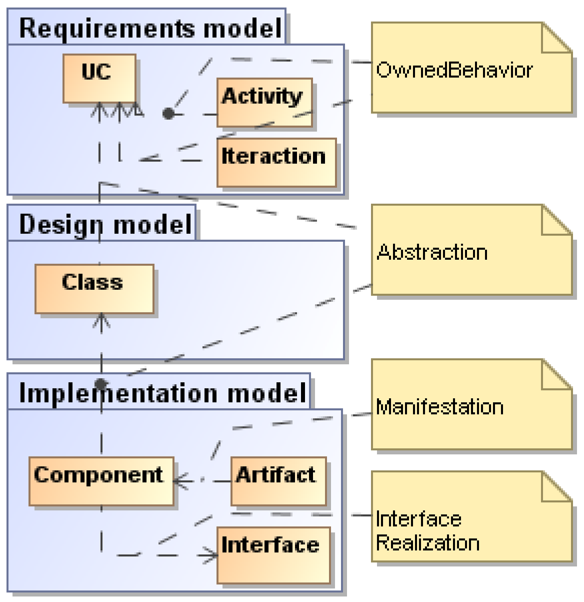
Backward traceability – specification

Property Name	Description	Applied For:	Reference Through:	Value elements type	Example
Manifested in Artifacts	The property shows which components are manifested in an artifact.	Artifact	Relationships: Manifestation	Component	 «component» TestDB «manifest» «artifact» MagicTest.mdb
Specifying Class	The property shows the classes representing the component specification from the Design model.	Component	Relationships: Abstraction	Class	 Design::magictest::service:: TestManager +getTest(testId : int) Design::magictest::service: SystemAccess +authorize(username : String, passv +changePassword(username : Strin «abstraction» «abstraction» «EJBSessionBean» Implementation::Components:: Business Logic Tier:: TestManager «EJBSessionBean» Implementation::Components Business Logic Tier:: SystemAccess
Specifying Component	The property shows the components that are realized by classifiers through component realization.	Classifier	Relationships: Component Realization, Realization	Component	 «subsystem» Business Logic Tier «EJBSessionBean» SystemAccess
Specifying Use Case	The property shows the use cases (from the Requirements model) representing the class specification.	Class	Relationships: Abstraction	Use Case	 User Requirements::MagicTest:: Security:: Login «abstraction» Design::magictest::ui:: LoginDialog +handleLogin() +connect() -showPasswordChangedMsg() -showIncorrectLoginMsg() ...

Specifying Use Case	The property shows the use cases that specify the given use case in the higher level of abstraction. For example, the Business Use Case specifies the Requirements Use Case.	Use Case	Relationships: Abstraction	Use Case	 Administrate «abstraction» «abstraction» Modify User Remove User
Realized Interface	The property shows the interfaces specifying the contract, in which the related classifier conforms to.	Classifier	Relationships: Interface Realization	Interface	 NotificationService +send(address : String, message : String) «component» NotificationServer
Specifying Element, All Specifying Elements	The **Specifying Element** property gathers specifying elements from the upper abstraction level. The **All Specifying Elements** property transitively gathers specifying elements from all upper abstraction levels.	Element	Relationships: Abstraction, Component Realization, Interface Realization.	Element	 Requirements model UC Activity Iteraction OwnedBehavior Design model Class Abstraction Implementation model Manifestation Component Artifact Interface Interface Realization