

LAB # 7

Other Type of Association and Relationship

There are four other types of association or relationship that can be shown in a use case diagram. These are

- Generalization between use cases
- Generalization between Actors
- Include Relationship between use cases
- Extend Relationship between use cases

GENERALIZATION BETWEEN USE CASES

Sometime it becomes apparent that there is more than one version of a use case, and that the different versions have some actions in common and some that are unique to each one. Consider the use cases to add new car sharers to the system: there is one use case for adding new car sharers manually, and another for transferring them in from the web-server. These two use cases both serve the same overall function, but they are different in some aspects of how they operate

Some times the more general use case is one that will never exist in a real system, it is there only to define what is common to the specialized use cases. In this case, it is called an abstract use case, and its name is printed in italics. The specialized use cases are sometimes referred to as concrete use cases.

Generalization is often implemented by the mechanism of inheritance and is covered in more detail in the case of classes in Chapter 5.

GENERALIZATION BETWEEN ACTORS

It is also possible for a generalization association to exist between actors

At Car Match, the Franchisee can handle the registration of new car sharers, but can also be the recipient of management reports, Rather than show both the Franchisee and the CarMatch Administrator in association with every use case that they share. It is possible to show the Franchisee as a specialization of CarMatch Administrator.

Lab Work and Assignment:

Q 3.12: Which are the priority use cases for elaboration?

A: Details of organization record
Details of member record
Volunteer registration.

These three use cases are more important than others.

Q 3.12: Which actors have an association with which use cases?

A:

