The Scenario

ABC Travel is currently in the business of renting cars and apartments and has two applications that were developed to handle these two business processes: a Car Reservation application and an Apartment Reservation application. As would be the case in many real-life situations, these applications were developed separately by two different teams of developers.

A Car Reservation Application

The Car Reservation application is an example of a typically constructed application. Very simple, consisting of three main items:

- A Car Reservation
- A Customer
- A Car

Each of these items has associated attributes. A Car Reservation has an associated customer, car, reservation dates, car mileage options, and reference number. A customer has a first name, last name, date of birth, contact information (such as address, city, state, zip code, country, and phone number), and reference number. A Car has a make, model, engine size and color, number of seats, number of doors, daily rate, and reference number.

An Apartment Reservation Application

The second application we're looking at is an Apartment Reservation application. This application is also very simple and consists of four main items:

- An Apartment Reservation
- A Customer
- A Resort
- An Apartment

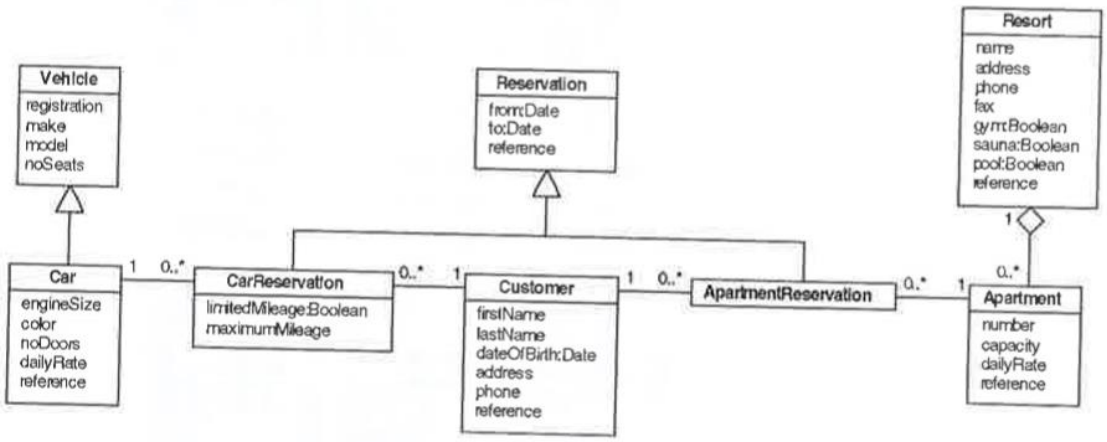
Each of these items has associated attributes. An Apartment Reservation has an associated customer, apartment, reservation dates, and reference number. A Customer has a first name, last name, marital status, contact information (such as address, city, state, zip code, country, and phone number), and reference number. A Resort has a name, location, a number of associated apartments, and reference number. An Apartment has a number, capacity, daily rate, and reference number.

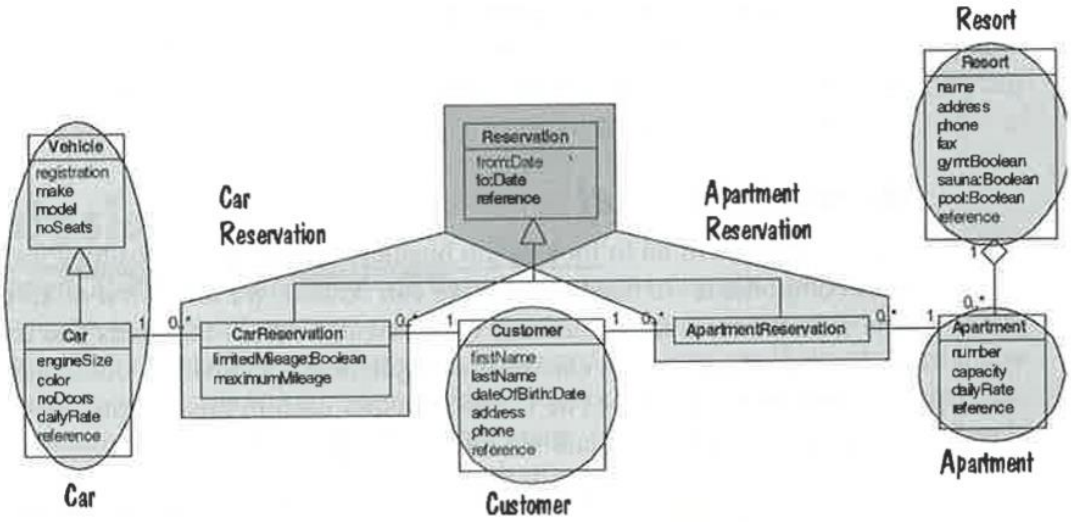
The definition of Customer is different from that defined in the Car Reservation application (this difference allows us to demonstrate one of the issues)

Capturing Requirements

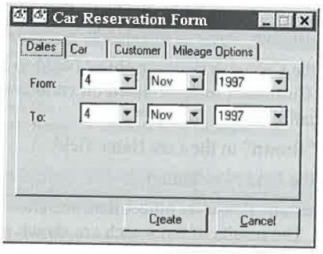
Requirements capture is the starting point for any software development. During this stage, we formulate a picture of the problem domain in terms of the business concepts that it must support. The figure below shows the business concepts identified in ABC Travel's problem domain. (Although we haven't used it here, a technique known as Use Cases is supported in UML; it's an excellent starting point for capturing requirements [Jacobson92].)

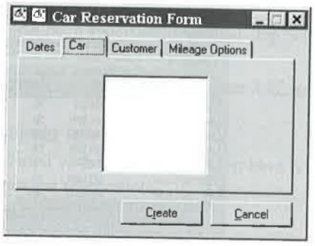
Analysis Model

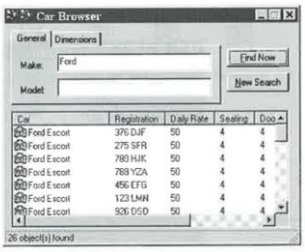


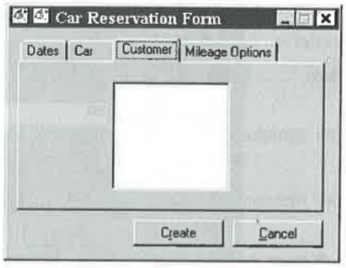


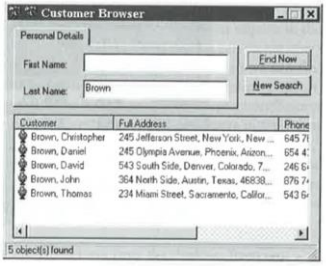
Old screen shots

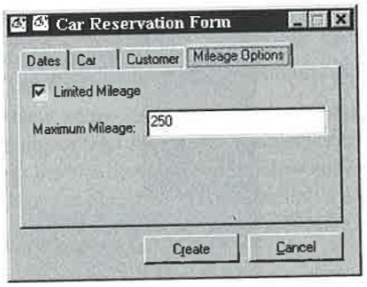


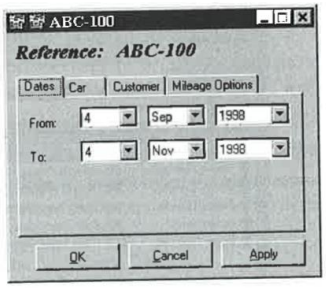


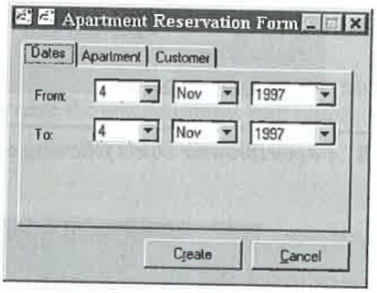


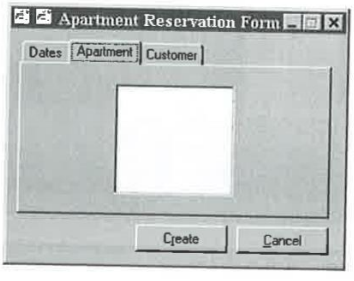


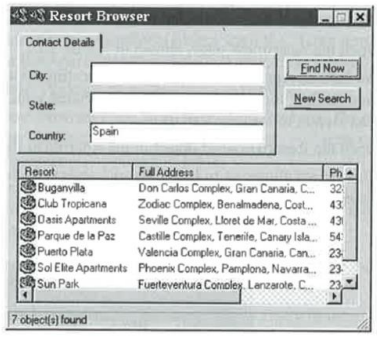








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Oasis Apartments
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Puerto Plata
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Sun Park
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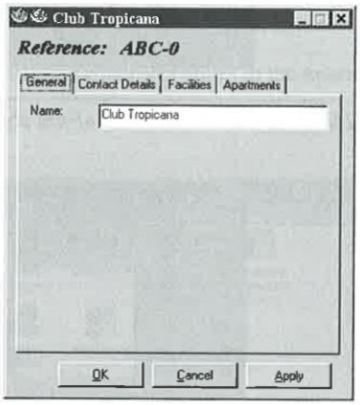
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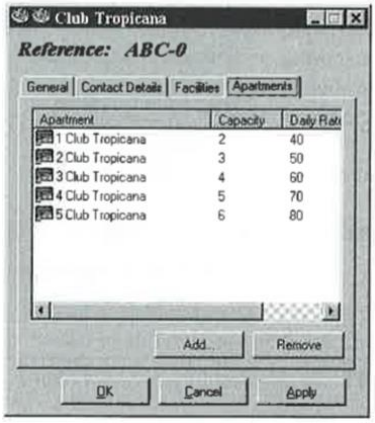
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General
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Apartments
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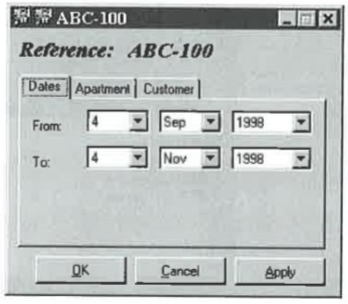
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