Step 1: Creating classes of objects

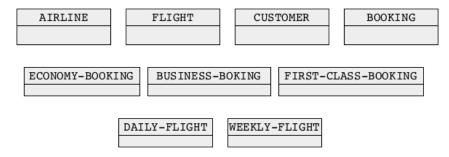
A travel agency would like to create a travel management database that contains information about the airlines, flights, customers, and bookings performed by the customers.

An airline company is described by an airline name (such as Qantas, KLM, etc.), phone number, fax number, and link to Web site. Airline name, phone number, fax number and link to Web site are unique for all airline companies.

An airline company offers flights for its customers. A flight is described by a flight number, departure airport, destination airport, departure time, arrival time, flight type (daily or weekly). A flight number uniquely identifies each flight. There are many seats available for the customers on each flight. The seats are located in different classes (economy, business, and first class), and price is of course different in each class.

The customers book seats on the flights. A customer is described by a customer id, full name, date of birth, nationality, phone number, and home address. The customer id is unique and it is automatically created at the beginning of the first booking process.

A booking of a seat on a given flight and in a given class is described by a booking date and time, and departure date and time and credit card number used by the customer.



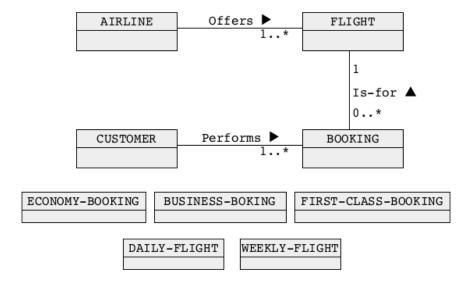
Step 2: Creating associations and association classes

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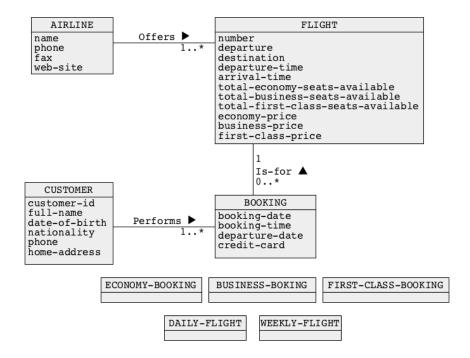
Step 3: Creating attributes and link attributes

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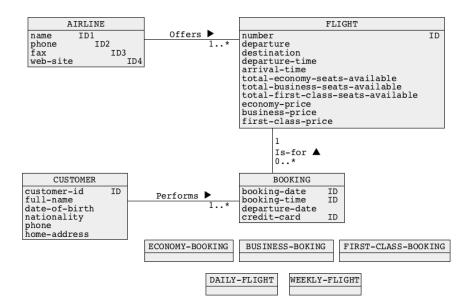
Step 4: Creating identifiers

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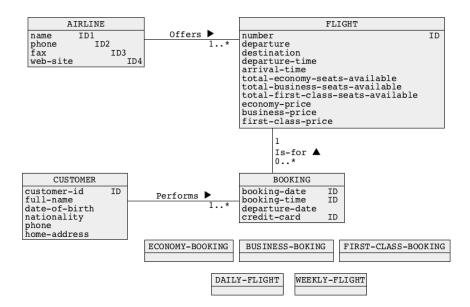
Step 5: Creating qualifications

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Step 6: Creating generalizations

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