

“Hotel Hiring Assistant” Project

Problem description

Hotel Hiring Assistant is a software system for booking and hiring rooms of the hotels of a holiday resort. The system has to manage:

- ≠ A set of hotels. Each of them has a name, a number of rooms and an address.
- ≠ A set of rooms. Each hotel offers a set of rooms that are of two kinds: single and double, after the number of beds from room.
- ≠ Rooms booking. A tourist can book one or more rooms of a hotel. Each booking is identified with the tourist’s first and last names and with a booking code.
- ≠ Rooms hiring. A tourist can hire the booked rooms using the code of a previous booking (reservation) or directly from the reception desk. The tourist pays cash or with credit card the booked rooms.

Furthermore, the system can be used by the following kind of users:

- the tourist which can book one or more rooms for one or more days;
- the receptionist which registers tourists that check in one of the hotels of the holiday resort. Also, the receptionist uses the system to make the invoice and register the tourists departures;
- the administrator which manages the data about the hotels.

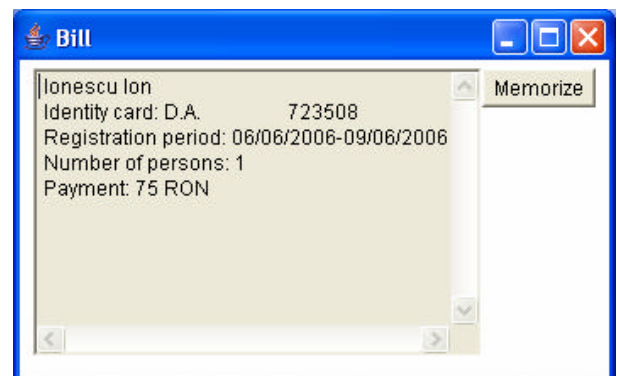
In order to use the system, the tourist has to register by an account creation with username and password. In order to do this, the system shows a registration form. The user introduces the first and last name, PNC (Personal Numerical Code), username and the password. The system memorizes the data.

After that the tourist is registered in the system, he or she may asks to make a booking to the one hotel managed by the system. When the system receives such request, it shows information about the hotels and the tourist chooses the wanted hotel. Then, the system shows information about the hotel and if there are free rooms. In the affirmative case, the tourist reserves one or more rooms after that he or she fills in a form with information such as first and last names, series and number of the identity card, arrival date, and the number of the accompanying persons. The system memorizes the booking and associates it an unique code.

When a tourist comes to the hotel reception desk, he or she gives his/her identity card to the receptionist and say if he or she made a booking. In the affirmative case, the receptionist uses the system inserting the tourist’s first and last names and the booking code. The system searches and shows information about the booking and other information such as two lists of free rooms: one for single and the other for double rooms. The receptionist assigns to the tourist the numbers of rooms from one or both lists and the system registers the tourist. After that, the receptionist gives to the tourist the keys of the rented room(-s).

When a tourist leaves the hotel, the receptionist indicates to him/her how much he/she has to pay. For this the receptionist asks to the system to show information about the bill. For instance, such information could be the ones from the next frame:

When the receptionist clicks on the “Memorize” button the system prints the bill and memorizes the associated information.



Project Task: Design and implement the “Hotel Hiring Assistant” software system.