Domain Model

Smart Reservation System

This is the domain model of the Smart Reservation System. This diagram shows the three conceptual classes upon which the SRS functions, and how a reservation is created.

A user can make multiple reservations and a reservation can be applied to one room. Furthermore, a room can have multiple reservations but a reservation only has one owner.

A user has the attributes name and role. Name represents full name while the role represents the level of authorization.

A reservation has the attributes startTime to show the start Time and stopTime to define the end of a reservation. The date prevents a confusion of different reservations.

The room includes the attributes name, building and size. The name and building gives a unique identification so we immediately know which room it is. The size says for how many persons the room is meant.

User		Reservation		Room
name role	1 makes ▶ 0..*	startTime stopTime date	0..* books ▶ 1	name building size

Fig. 1 Domain Model of the smart reservation system