

TP00

Revision

TP00.1. Reservation class

Create the Reservation class, which represents the room reservation at department. This class will contain information such as room number, person name who make reservation, date and time start and end of reservation, and other remarks as a string.

TP00.2. Constructors

Add 3 constructors to the Reservation class created above.

TP00.3. Getters/Setters or Accessors/Mutators

Add or generate getters and setters to class Reservation created above.

TP00.4. Validations with Exception

Add validations to setters of Reservation class created above. The validations include:

1. Room number must not be empty and must start with a letter followed by dash and 3 numbers. Ex: F-209, J-704, ...
2. Reservation person's name must not be empty and must contain vowels and consonants.
3. Reservation date time start must be in the future.
4. Reservation date time end must be greater than date time start at least an hour.
5. Update the constructors to use setters instead of this... = ...;

TP00.5. Va

Create a java program that can:

1. List all reservations.
2. Add new reservation. Reservation date and time must be expressed as a future time.
3. Cancel/remove reservation. A Reservation can be canceled/removed if and only if it is not yet started.
4. Update reservation if it is not yet started.
5. Swap room between 2 reservations of the same date and time reservations