# Exercises, SDJ1

## Exercise: Hotel (Exception version)

Update the Hotel exercise throwing exceptions

a) Throw `IllegalArgumentException`'s if methods or constructors has illegal arguments
   - if a `Guest` has a `null` name (Constructor in `Guest`)
   - if you are trying to registering a `null` `Guest` in a room
   - if the room constructor is called with a non-existing room type
   - if the Hotel constructor is called with no rooms (a `null` array or array length < 1)
   - if the Hotel constructor is called with a `null` name

b) Throw an `IllegalStateException` if method `registerGuest` is called with a (non-`null`) `Guest` in an occupied room already registered to another guest.