Design comments

In overall a very good submission, however my major concern is that I **could not find anywhere preset vs. random mode. Have you implemented it? Will you be able to include it for refactoring?**

General comments:

- Why do you have interface for constants? Constants should belong to the respective class
- **It is VERY good that you are coding to interfaces (specifically those you define)**

Abstraction and Modularity:

- You should have Urgency class (and have all the respective constants there from ERConstants)
- **Patient looks fine**, a bit busy → maybe you want to abstract its fields to PatientRecord.

Separation of concerns:

- Printing (which is included in update()) should not be done by ERSimulator. But you can easily create a Printer (which will follow the Observer Pattern). Try to take out printing from other methods of ERSimulator
- reportPatientsInfo and reportRoomUsage should be separated into reporting and printing (another module should be responsible for printing).
- main() – you should use helper for verifying correctness of user input (I am sure you can also figure out something a bit less complicated than the current while loop). You may want a helper that reads one parameter at a time (also a bit easier for an user to follow one instruction at a time) and verifies that it is an integer.
  It is very good that you check your input.

Comments from TAs:

1. One case missing from Queue.

2. Rest all good.