University of Jeddah

College of Computer Science and Engineering

Data Structure CCCS 224

Final Project: Patient Managment System

Instructure:Nuha Zamzami
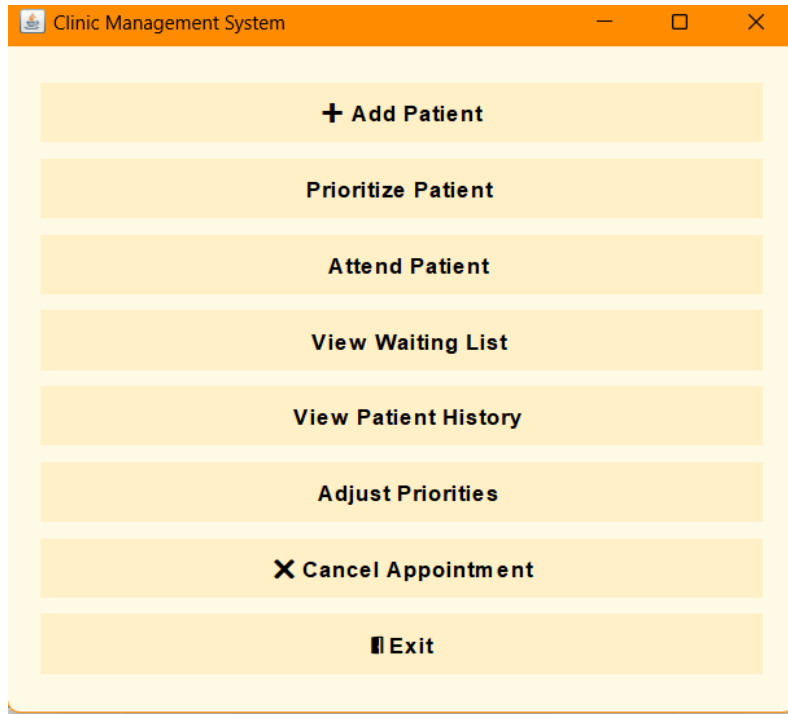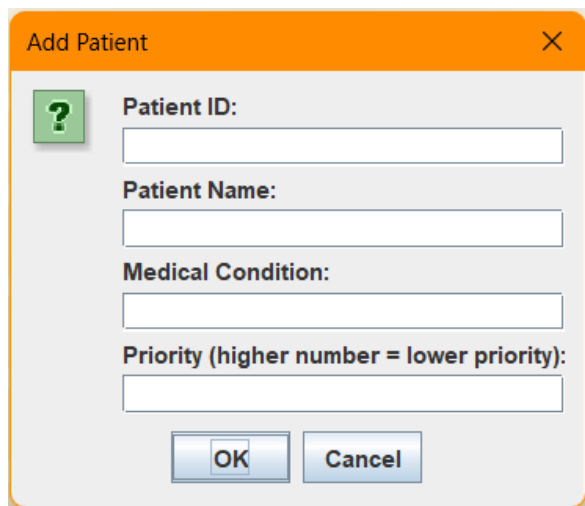
Students names:

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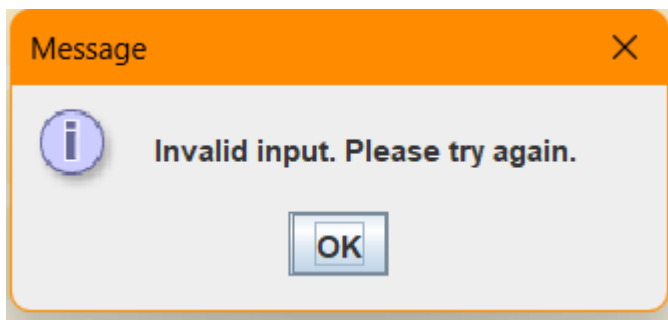# Project 1: Patient Managment System for a Clinic

Output:

After choosing (Add Patient):

compile-single:

run-single:

Patient added: sara

If the patient information was entered incorrectly:

Message ✕

(i) **Invalid input. Please try again.**

OK

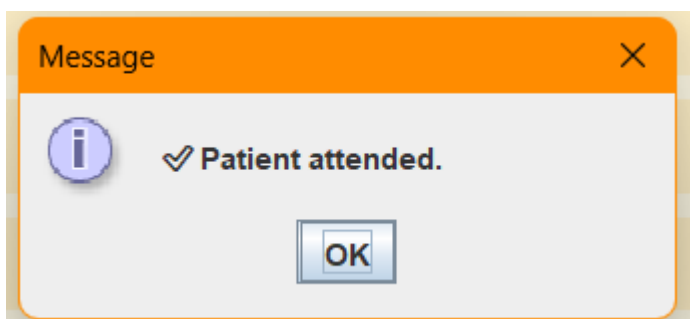## After choosing (Prioritize Patient):

This makes the patient at the front of the line no matter the priority number they have

Input ✕

? **Enter Patient ID to Prioritize:**

OK   Cancel

Message ✕

(i) ✓ **Patient prioritized: 6666**

OK
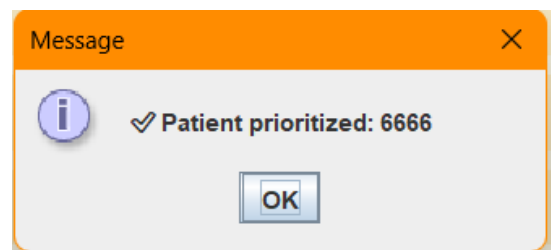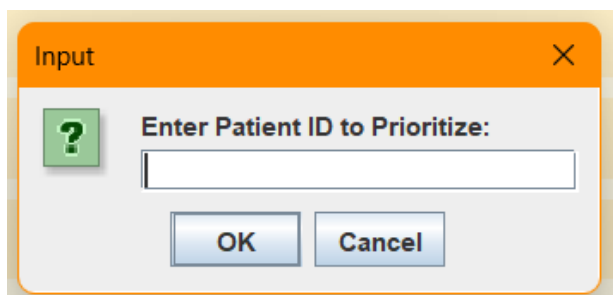
After choosing (Attend Patient):

Message ✕

(i) ✓ **Patient attended.**

OK

Attended patient: reema

After choosing (View Waiting List):

```
Current Waiting List:
Patient ID: 6666, Patient Name: reema, Patient Medical Condition: headache, Priority: 5
Patient ID: 5555, Patient Name: sara, Patient Medical Condition: fever, Priority: 4
‖
```
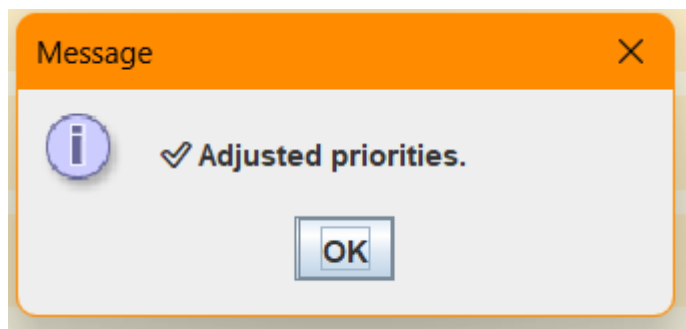
After choosing (View Patient History):

It shows the history of attended patients

```
Patient History:
Patient ID: 6666, Patient Name: reema, Patient Medical Condition: headache, Priority: 5
‖
```

After choosing (Adjust Priorities):

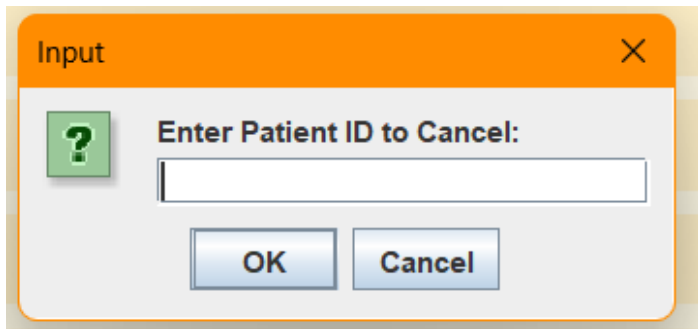## The waiting list before adjustment based on waiting time:

```
Current Waiting List:
Patient ID: 8888, Patient Name: fatmah, Patient Medical Condition: toothache, Priority: 5
Patient ID: 9999, Patient Name: yara, Patient Medical Condition: checkup, Priority: 8
‖
```

The waiting list after adjustment based on waiting time:

```
Current Waiting List:
Patient ID: 8888, Patient Name: fatmah, Patient Medical Condition: toothache, Priority: 4
Patient ID: 9999, Patient Name: yara, Patient Medical Condition: checkup, Priority: 7
‖
```
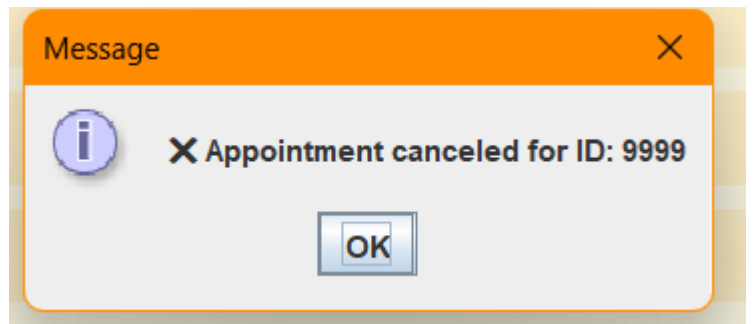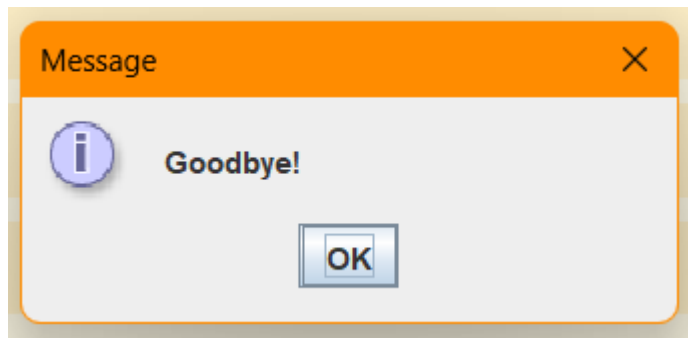
After choosing (Cancel Appointment):

Cancelled appointment for: Patient ID: 9999, Patient Name: yara, Patient Medical Condition: checkup, Priority: 7

After choosing (Exit):