



Hospital information system (HIS)

Team members

Ahmed naser abo el wafa
 Haytham emad ali
 StdSeatNo: 52004
 StdCode: 9170954
 StdCode: 9181589
 Saeed khaled saeed
 Mohamed osama abd el ghafar
 Mahmoud Mohamed Ibrahim
 StdSeatNo: 52036
 StdCode: 9180610
 StdCode: 9151016
 StdCode: 9181357

Hospital information system

We are going to do hospital information system project to help doctors and hospital managers to follow the patient bit by bit especially for hospitals which have more than one branch so we are going to do a project which contain four tracks the first one is for patients and follow their condition step by step in the intensive care unit (ICU) and we can from this track to add patient and remove one after recovery the second track is designed for doctors we can from it add or remove a doctor for the icu the third one is designed for prescription we can add more than one prescription for the patient we can add a prescription for the patient after every visit to the doctor or remove or edit the last prescription the fourth one is to follow the drugs consumed by the patient we think it is a suitable program for the hospital to follow the updated information about every icu ,patient ,drugs and drugs consumed every week .

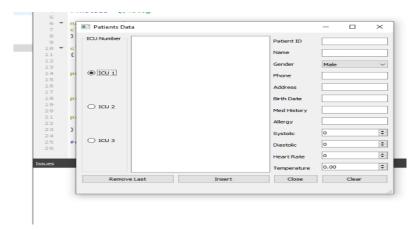
Libraries:

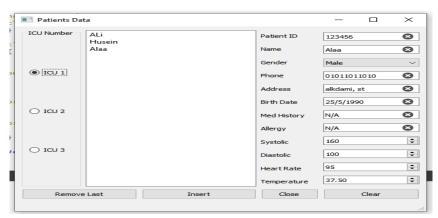
- QtCore + Qtgui
- <queque>

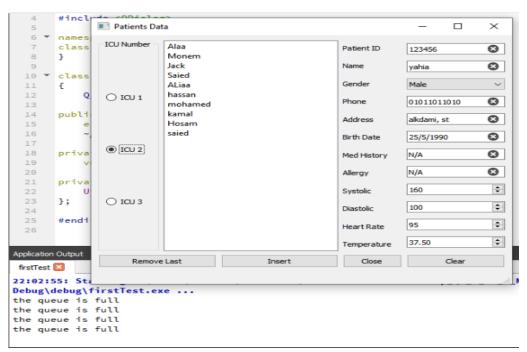
Block diagram describing the whole system:



User manual for the system:







Screenshots for your running programs:

```
Please choose one choice
1-icu and its pateint track
2-ductors track
3-prescription of pateints
4-patien's drug data
5-exit from the programe
```

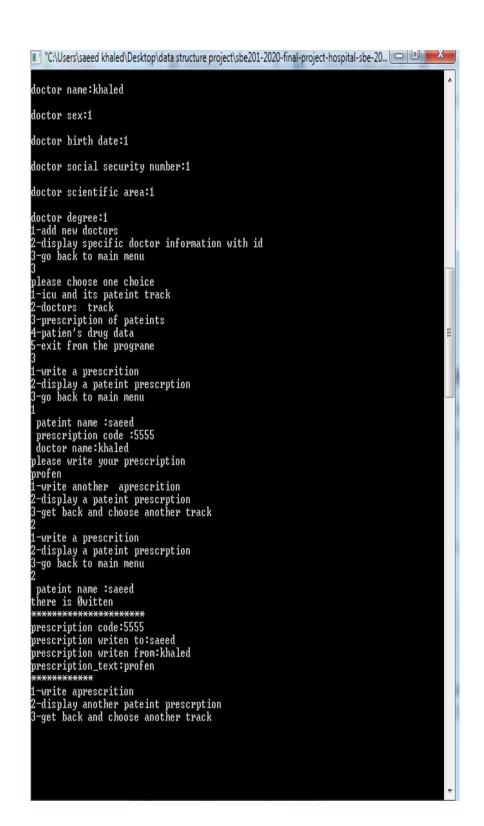
```
please choose one choice
1-icu and its pateint track
2-doctors track
3-prescription of pateints
4-patien's drug data
5-exit from the programe
ortran
                choose the ICU you want
1-ICU number 1
2-ICU number 2
3-ICU number 3
a .*
 @ 8
                 4-back to main menu
                1
1- enqueue an patient in the ICU number1
2- dequeue an patient from the ICU number1
3- display all patients data in the ICU number 1
4- display the data of ICU number1
5- back to icu menu
please choose one of these elements
stream>
:iption
                 the ICU number1 is empty
ateint
               uone
1- enqueue an patient in the ICU number1
2- dequeue an patient from the ICU number1
3- display all patients data in the ICU number 1
4- display the data of ICU number1
5- back to icu menu
please choose one of these elements
loctor
.ont_co
rescri
                3
1— enqueue an patient in the ICU number1
2— dequeue an patient from the ICU number1
3— display all patients data in the ICU number 1
4— display the data of ICU number1
5— back to icu menu
please choose one of these elements
:iption
data
                 what is the number of patients you want to enqueue?
                 please enter the data of patient 1
: {
name:
                 patient ID:555
ex:
                 name:saeed
:e;
curity
                 sex:male
scienti
                 phone:0100514755
degree
1:
                  adress:kerdasssa
                 birthdate:19999
                 medical history:no
:_stack
                 allgry:no
                 systolic_blood_pressure:120
```

```
systolic_blood_pressure:120
distolic_blood_pressure:80
heart_rate:60
tempreture:37.5
please enter the data of patient 2
patient ID:555
the id already exist please enter another ID patient ID:666
name:khaled
sex:male
phone:01005172447
adress:giza
birthdate:1964
medical history:no
allgry:no
systolic_blood_pressure:125
distolic_blood_pressure:90
heart_rate:70
tempreture:37.5
done
done
1— enqueue an patient in the ICU number1
2— dequeue an patient from the ICU number1
3— display all patients data in the ICU number 1
4— display the data of ICU number1
5— back to icu menu
please choose one of these elements
```

```
c. (Users (saeeu kriaieu (Desktop (uata structure project/sbezot-zozo-iliiai-project-nospitai-sbe-zo...
name:khaled
sex:male
birth date:1964
phone:01005172447
adress:giza
sex:male
tempreture:37.5
presure:125/0
ĥeart reate:70
medical history:no
allegry:no
************
1— enqueue an patient in the ICU number1
2— dequeue an patient from the ICU number1
3- display all patients data in the ICU number 1
4- display the data of ICU number1
5- back to icu menu
please choose one of these elements
what is the number of patients you want to dequeue?
ther are 2 elements only
please enter number less than or equal: 2
done
unner to the ICU number1
1- enqueue an patient in the ICU number1
2- dequeue an patient from the ICU number1
3- display all patients data in the ICU number 1
4- display the data of ICU number1
5- back to icu menu
please choose one of these elements
patient_ID:666
name:khaled
sex:male
birth date:1964
phone:01005172447
adress:giza
sex:male
tempreture:37.5
presure:125/0
heart reate:70
medical history:no
allegry:no
<del>***********</del>
1— enqueue an patient in the ICU number1
2— dequeue an patient from the ICU number1
3- display all patients data in the ICU number 1
4- display the data of ICU number1
5- back to icu menu
please choose one of these elements
```

```
adress:giza
sex:male
tempreture:37.5
presure:125/0
heart reate:70
medical history:no
allegry:no
*****
 - engueue an patient in the ICU number1
2- dequeue an patient from the ICU number1
3- display all patients data in the ICU number 1
4- display the data of ICU number1
 - back to icu menu
please choose one of these elements
ICU name:NICU
ICU code:111
ICU beds number:100
ICU manager:saeed khaleed
1- enqueue an patient in the ICU number1
2- dequeue an patient from the ICU number1
3- display all patients data in the ICU number 1
4- display the data of ICU number1
 - back to icu menu
please choose one of these elements
choose the ICU you want
1-ICU number 1
2-ICU number 2
3-ICU number 3
4-back to main menu
please choose one choice
l-icu and its pateint track
 -doctors track
 -prescription of pateints
4-patien's drug data
5-exit from the programe
```

```
🔳 "C:\Users\saeed khaled\Desktop\data structure project\sbe201-2020-final-project-hospital-sbe-20... 🖵 📵 📉
2-display a pateint prescrption
3-get back and choose another track
1-write a prescrition
2-display a pateint prescrption
3-go back to main menu
please choose one choice
Î-icu and its pateint track
2-doctors track
3-prescription of pateints
4-patien's drug data
5-exit from the programe
1-add new doctors
2-display specific doctor information with id
3-go ĥack to main menu
whate is the number of doctors you want to add?
please enter the data of the doctor number1
*****
doctor code:444
doctor name:eiad
doctor sex:male
doctor birth date:1998
doctor social security number:5
doctor scientific area:cardiovascular
doctor degree:goood
1-add new doctors
2-display specific doctor information with id
3-go back to main menu
please enter the the id of the doctor you want to display
ID:44
the id44 doesn't exsit please enter anothe one
ID:444
the information of doctor with id:444is
doctor name:eiad
doctor sex:male
doctor birth date:1998
doctor social security number:5
doctor scientific area:cardiovascular
doctor degree:goood
1-add new doctors
2-display specific doctor information with id
3-go back to main menu
```



```
1.enter drugs data to this patient
2.represent the drugs data of this patient
3.back to previous menu
1
enter drug name
profen
enter time in hours (24 format)
2
enter time in mins
00
done
enter icu number
0
enter drugs data to this patient
3.back to previous menu
1
enter time in hours (24 format)
2
enter time in mins
02
done
enter icu number
0
enter patient name
saeed
choose one of the following:
1.enter drugs data to this patient
2.represent the drugs data of this patient
3.back to previous menu
2
day 1:
drug name:profen
time :2:0
```

else

d_s.top=d_s.top-1;