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Hospital Patient Tracking Application

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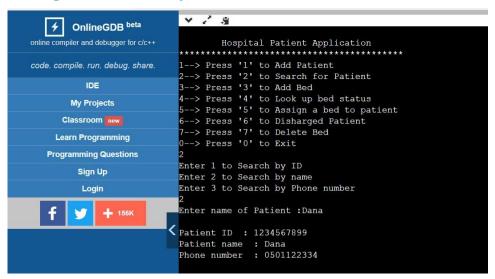
Dana Turki Aldossari	Rama Atif	Reem Alkathiri
	Shobokshi	
Maintain a hospital inventory database in a file	Maintain a patient database in a file	Assign a bed to a registred patient
Add new bed to the hospital	Register/Add new patients	Make a bed available again when a patient is discharged
Delete a bed from the hospital	Search patient database	Look up bed status in database by any field
	Print out the matching records	Print out all the matching reords

Register / add new patients ★ OnlineGDB beta online compiler and debugger for c/c++ Hospital Patient Application *********** 1--> Press '1' to Add Patient code. compile. run. debug. share. 2--> Press '2' to Search for Patient 3--> Press '3' to Add Bed IDE 4--> Press '4' to Look up bed status My Projects 5--> Press '5' to Assign a bed to patient 6--> Press '6' to Disharged Patient Classroom new 7--> Press '7' to Delete Bed **Learn Programming** 0--> Press '0' to Exit **Programming Questions** Enter Patient ID number : Sign Up 1122334455 Enter Patient name : Login Enter Patient phone number : + 156K 0501234567 Patient has added 7 UnlineGDB -> Press '0' to Exit online compiler and debugger for c/c++ Enter Patient ID number : 1122334455 code. compile. run. debug. share. Enter Patient name : IDE Rama Enter Patient phone number : My Projects 0501234567 Classroom new Patient has added **Learn Programming Programming Questions** Hospital Patient Application Sign Up 1--> Press '1' to Add Patient Login 2--> Press '2' to Search for Patient 3--> Press '3' to Add Bed f 4--> Press '4' to Look up bed status 5--> Press '5' to Assign a bed to patient 6--> Press '6' to Disharged Patient 7--> Press '7' to Delete Bed 0--> Press '0' to Exit Enter Patient ID number : 1234567899 Enter Patient name : Dana Enter Patient phone number : 0501122334 Patient has added About • FAQ • Blog • Terms of Use • Contact Us •

Search patient database by: Patient ID number



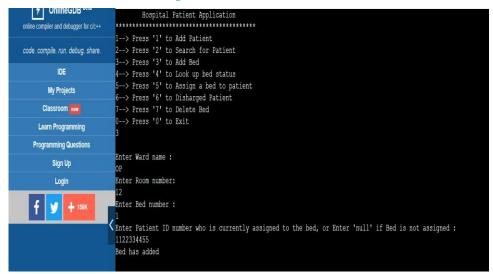
Search patient database by: Name



Search patient database by: Phone number



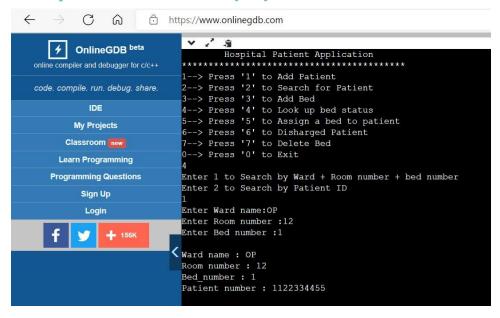
Add a new bed to the hospital



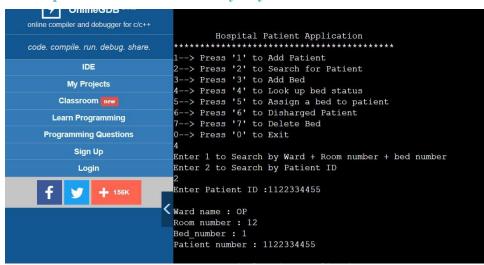
When cannot add patient in a bed and the patient is not registerd

```
Hospital Patient Application
           My Projects
                                  1-->Press '1' to Add Patient
         Classroom new
                                  2-->Press '2' to SEARCH Patient
3-->Press '3' to ADD Bed
        Learn Programming
                                  4-->Press '4' to Look up bed status
      Programming Questions
                                  5-->Press '5' to Assign a bed to patient
                                  6-->Press '6' to Disharged Patient
             Sign Up
                                  7-->Press '7' to DELETE Bed
0-->Press '0' to EXIT
             Login
                  + 158K
                                  Enter Ward name :
                                  tr
                                  Enter Room number:
                                  15
                                  Enter Bed number :
                                  17
                                  Enter Patient Number who is currently assigned to the bed, or Enter 'null' if Bed is not assigned :
                                  Error! Patient is not registered
                                  Enter Ward name :
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```

Look up bed status in database by any field: Ward + Room number + bed number



Look up bed status in database by any field: Patient ID who is currently assigned to the bed



It apeaars error when we entered a wrong patient number to search by ID number

```
online compiler and debugger for c/c++
                           V / 3
                           Enter Patient Number who is currently assigned to the bed, or Enter 'null' if Bed is not as
                           12121
code. compile. run. debug. share.
                           Bed has added
       My Projects
                                   Hospital Patient Application
                           *****
     Classroom new
                           1-->Press '1' to Add Patient
                           2-->Press '2' to SEARCH Patient
    Learn Programming
                           3-->Press '3' to ADD Bed
                           4-->Press '4' to Look up bed status
  Programming Questions
                           5-->Press '5' to Assign a bed to patient
         Sign Up
                           6-->Press '6' to Disharged Patient
                            7-->Press '7' to DELETE Bed
                            0-->Press '0' to EXIT
                          Enter 1 to Search by Ward + Room number + bed number
                           Enter 2 to Search by Patient ID
                           Enter Patient ID :5
                           There is no record of this Bed in this system
                                   Hospital Patient Application
                           *****
```

Whwn we want to assign a bed to patient we enter the worng bed number so it will appear error incoorrect number

```
IDE

My Projects

Classroom set tr

Learn Programming Duestfons

Sign Up

There Room number:

17

Sign Up

There Patient Number who is currently assigned to the bed, or Enter 'null' if Bed is not assigned:

1112

Bed has added

(Hospital Patient Application

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Hospital Patient Application

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Hospital Patient Application

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Hospital Patient Application

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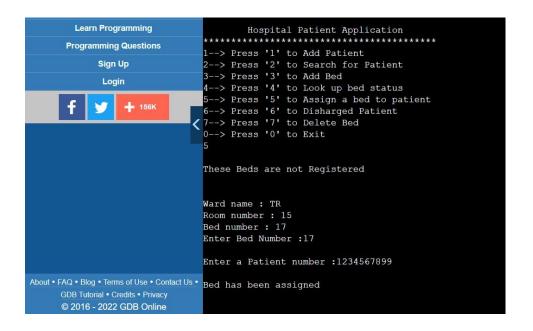
Hospital Patient Application

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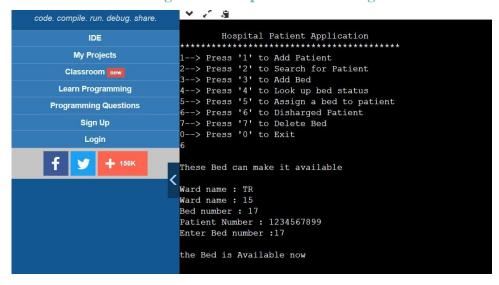
Hospital Patient Application

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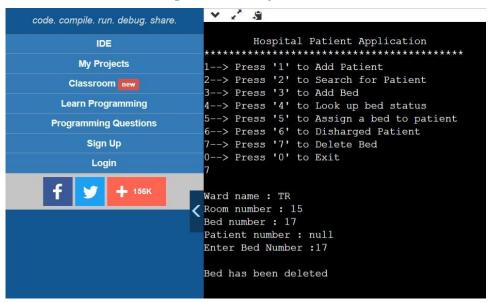
Assign a bed to a registered patient we entered the right bed number



Make a bed available again when a patient is discharged



Delete a bed from the hospital inventory



This program monitors and track patients receiving in-hospital care. Through this program, you can monitor and track the number of rooms and beds available in the hospital, and you can also know the rooms and beds reserved for patients and many more features that you can search for through the user manual attached below

User manual

Custom functions

- 1. readData(): this function reads information of beds and patients
- 2. dataBase(): Write all Beds data in file and write all patients data in file
- 3. deleteBed(): in this function we list all beds, take an input from user to compare it, then if input is found, the loop will stop and delete the Bed, if flag still 0, so the Bed is not found. Also, if user enters 0, Program will go back to the menu
- 4. MakeAvailable(): in this function we list all Beds, take an input from user to compare it, if input is found, the loop will stop and make a bed available, if flag still 0 or null, so the Bed is not found or is already available, if user enters 0, Program will go back to the menu
- 5. AssignBed(): take an input to compare it, if input is found, the loop will stop and Assign this bed, if flag still 0 or null, so the Bed is not found or is already assigned, if user enters 0, Program will go back to the menu
- 6. searchBed(): to Search for bed by Ward + Room number + bed number or Search by Patient ID
- 7. addBed(): take Patient information: ward name, room number, bed number, ID and compare, then add bed to an array
- 8. addPatient(): take Patient information: name, ID, phone number, add patient to array
- 9. searchPatient(): Search for patient by ID or name or phone number

C standard library functions

printf()
scanf()
fscanf()
fprintf()
fopen()
fclose()