

# Hospital Database

## The User Guide

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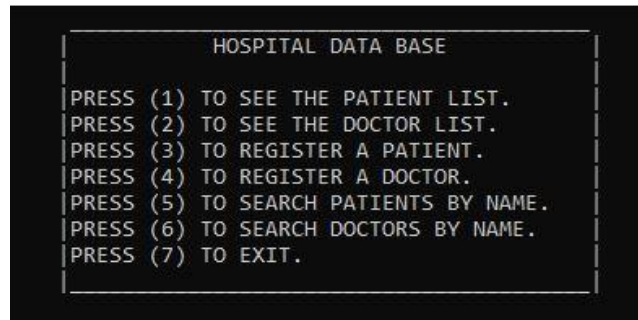
Neptun Code: NVT5RE

### 1. Introduction

Used C++ techniques: Inheritance, File management, Exception management.

This project aims to present easy and simple database interface for the user. It consists of one main menu and seven main functions. Main functions are viewing the patient list and doctor list, register patient and doctor, search by name for doctor or patient and finally exit function.

### 2. Menu



#### 2.1. Patient List and Doctor List

Patient/Doctor list is a text document which archives patient's/doctor's information. To reach these two functions: Pressing "1" and then pressing "Enter" will direct the user to "Patient List". This will show the list of patients in the order of name, surname, age, entrance date, exit date and patient's illness.

Pressing "2" and then pressing "Enter" will direct the user to "Doctor List". This will show the list of doctors in the order of name, surname, age, date of starting to work and date of retiring. At the end of the list the user will be asked for if the user wants to continue to program with returning to menu or quit the program. The user can choose the "y" or "n" for continue or exit program.

#### 2.2. Registration

Registering patients/doctors to patient/doctor list can be easily done with two functions. While registering all information needs to be entered with lowercase letters.

Pressing "3" and then pressing "Enter" will direct the user to registering a patient part which is showing the user

```
3
Please enter the information in this order:
      Name, Surname, Age, Date of Entrance (DD.MM.YYYY)
turker
erbasi
05.05.2019
Do you also want to enter Exit Date and Illness? (y/n)
y
Please enter Exit Date (DD.MM.YYYY) and Illness:
14.05.2019
myopic
Do you want to continue? (y/n).
y
```

how to input information of a patient. In the order of name, surname, age and entrance date. After user enters these information program will ask the user if the user wants to enter exit date and the illness of the patient. If the user doesn't want to enter this information, then user needs to press "n" and then "Enter", and the registration will be done, and all information will be stored in the patient list. If user wants to enter this information, then user needs to press "y" and then "Enter", then user needs to enter the exit date of patient and illness, then registration will be done, and all information will be stored in the patient list.

Pressing "4" and then pressing "Enter" will direct the user to registering a doctor part which is showing the user how to input information of a doctor. In the order of name, surname, age and date of starting to job. After user enters these information program will ask the user if the user wants to enter retiring date. If the user doesn't want to enter this information, then user needs to press "n" and then "Enter", and the registration will be done, and all information will be stored in the doctor list. If user wants to enter this information, then user needs to press "y" and then "Enter", then user needs to enter retiring date, then registration will be done, and all information will be stored in the doctor list. At the end of these operations the user will be asked for if the user wants to continue to program with returning to menu or quit the program. The user can choose the "y" or "n" for continue or exit program.

### 2.3. [Searching by Name](#)

Search function aims to make the user's job easier with accessing the required data directly. This operation can be reached by pressing "5" and then pressing "Enter" to search patients by name or "6" and "Enter" to search doctors by name. After accessing the operation, the user needs to type the name of the person, after entering the name and pressing the "Enter" the result will be shown on the console, then the user can select if the user wants to continue to program or quit.

```
Please enter the word you want to search:
turker

->The Result Is Shown Below
turker
erbasi
10
10.11.1314
Exit date undefined.
Illness undefined.
turker
erbasi
18
05.05.2019
14.05.2019
myopic
Match count: 2
```