

University Clinic Hospitals

Getting Started

You can obtain the latest version of University Clinic Hospitals from GitHub, where it is available for clone or download.

Prerequisites

- ✓ **IDE (Integrated Development Environment):** Microsoft Visual Studio (all versions), or any IDE that will run a C# application.
- ✓ **Source Control Software:** Git, or any source control software that supports Windows.

Installation

It is recommended that you use the software below, all of which is free.

- ▶ **Install your IDE.** To download and install the latest version of Microsoft Visual Studio, navigate to the following web page:
<https://visualstudio.microsoft.com/downloads/>
- ▶ **Install your source control software.** To download and install the latest version of Git Bash, navigate to the following web page:
<https://git-scm.com/downloads>
- ▶ **Clone or download the application.** Click the “Clone or download” button on the following web page:
<https://github.com/stjohn292/University-Clinic-Hospitals>

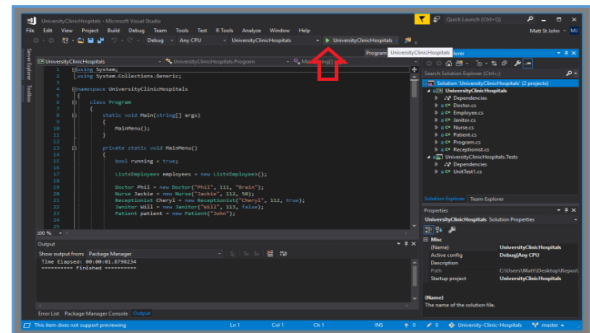
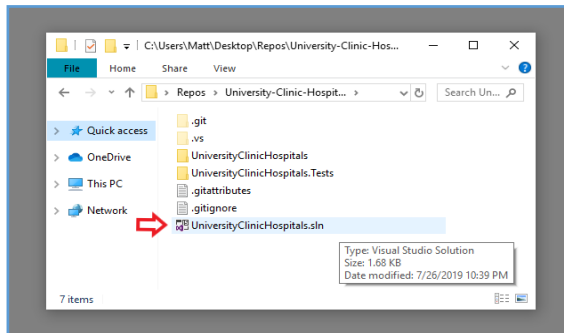
Clone

Right click inside your IDE's repo folder and select “Git Bash Here.” In Git Bash, type the command “git clone <provided GitHub URL>”.

Download

Once the application has downloaded, Copy the extracted files from your downloads folder and place them into your IDE's repo folder.

- ▶ **Run the application.** If you are using Microsoft Visual Studio, click on the solution (.sln) file. Next, run the solution in Visual Studio.



Instructions

From the main menu, you can view employee information, pay employees, or order a patient's blood to be drawn.

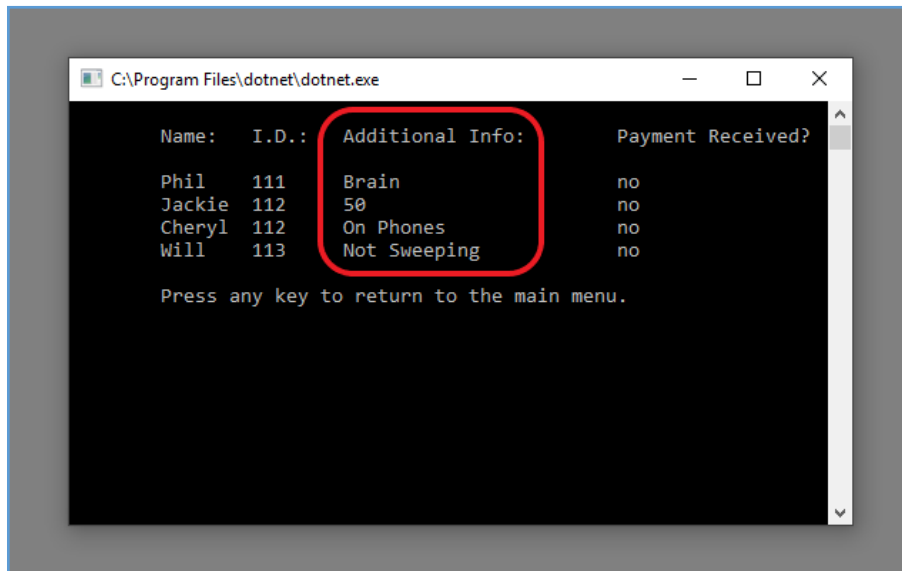
Viewing Employee Information

Using your computer's keypad, type "1" to view employee information.

This will display the name and I.D. number of each employee in the system, additional information about the employee, and whether or not the employee has received their current monthly salary.

Additional Info

"Additional Info" displays information that varies depending on the type of employee.



Doctors: Displays the doctor's specialty area.

Nurses: Displays the number of patients in the nurse's care.

Receptionists: Displays the current scheduled status of the receptionist.

Janitors: Displays the current scheduled status of the janitor.

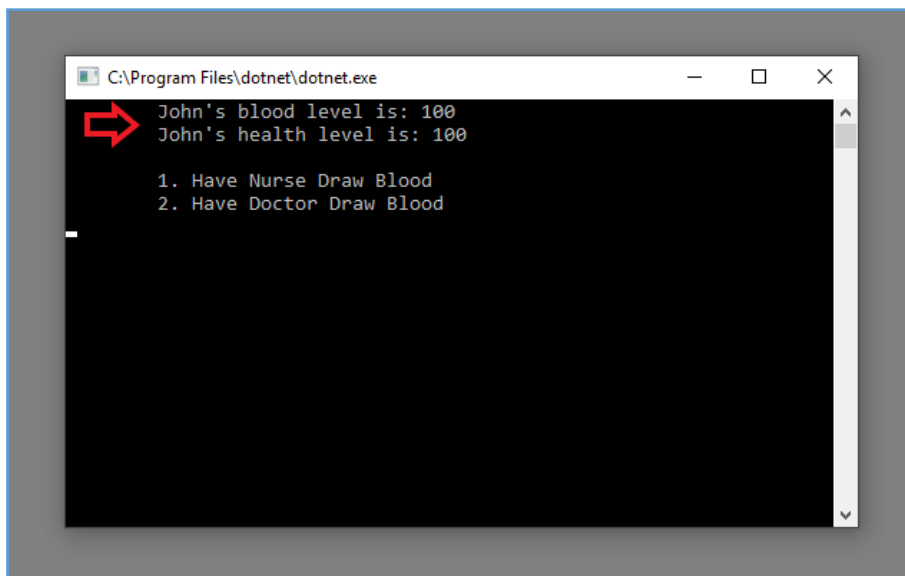
Paying Employee Salary

From the main menu, type "2" to issue all employees in the system their monthly salary. Once the transaction is complete, you can view the amount that has been paid to each employee.

Note that employees can only be paid once per month. If the salary has already been issued for the current month, the transaction will not be completed.

Drawing Blood From a Patient

From the main menu, type “3” to request that a doctor or nurse draw blood from a patient. The patient’s name, current blood level, and current health level will be displayed.



```
C:\Program Files\dotnet\dotnet.exe
John's blood level is: 100
John's health level is: 100

1. Have Nurse Draw Blood
2. Have Doctor Draw Blood
```

Type “1” to have a nurse draw blood or “2” to have a doctor draw blood.

Note that patients generally have 100 units of blood and 100 units of health. Nurses are trained to draw 10 units of blood per session, which will deplete the patient’s health by 20 units. Doctors are trained to draw 100 units of blood per session, which will deplete the patient’s health by 100 units.

***IMPORTANT:** When the patient’s health level reaches zero, the patient expires.

Author

University Clinic Hospitals and this user guide were created by Matthew St. John.

Acknowledgments

University Clinic Hospitals was created for course work at We Can Code IT, LLC., and built with:

- Microsoft Visual Studio - Free IDE used for the application’s programming.
- Git - Source control software