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My project is based on a Medical Form that a patient would normally fill out and hand in before they would meet their doctor for an appointment. What the project is meant to do is to take any medical information that the patient already knows, applies it in a neat and orderly fashion, and then sends it to the doctor so he can better understand his patient. This helps save time and money as the power of the internet will this information to be spread quicker than with paper and pen. This can also be used in hospitals so that people aren't franticly running around trying to get information on a specific patient.

The motivation for this project came to me when I decided to create something that could help people's lives instead of creating a program that is a luxury such as a videogame or a messenger program. Hence, I decided to focus on helping people get their health information to medical staffs faster in case they needed the data of a patient immediately if they were to treat them.

The way the system works is that it asks the user a series of questions, what is their height, age, allergies, etc. and uses certain algorithms and functions to calculate certain values. It then takes this data and puts them all in specific spots so that each part is identifiable in a simple and easy way. Some of these data parts include BMI, blood pressure, allergies, medications, height, weight, and many others. There is only one class that is utilized here, yet there are different methods that are used so that code can be reused if necessary and to make the code look more sharper and cleaner.

The problems that this program address in the need to get information faster. We live in an age where information can be accessed in less than a second and because of that, we can achieve things not thought possible before the internet. Hence, why not have our physical information be transferred quickly as well. It can save us waiting time at the doctor's office and can make for less hassle in hospitals who need information about a patient as soon as possible.

There have been other attempts as to making a program similar to this. The only problem is that it hasn't been utilize in a lot of hospitals or doctor's offices yet. Fortunately, there have been demos and very similar programs that are being used today and hopefully those numbers will increase very soon.

The program should be used by following the prompts that the program tells the user. If it says to enter a number, enter nothing else but a number. If the program asks to enter a string, the user should enter nothing else but a string. If these conditions are not met, then the program will crash and the entire program will have to restart and any information before needs to get filled out again. Otherwise, there are no other problems that could happen to stop the program and the code should work as it is meant to do.

Through this system, we can allow important information to be traveled as far as possible within a matter of seconds. This program has shown that even something as simple as filling a doctors form can be done more effectively by simply using a program that can be accessed by anyone and can be easily understood by whoever uses it.