IT489: IT Capstone

Topic Submission

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<div align="center">Complete Control Medial Record Portal</div>

Description of the Project

Over the past few years there have been medical practices that have moved to electronic medical records. While that has made things easier for the selected medical practice, it does not make things easier for the patient. While some practitioners allow you to view their medical portal, you are not allowed to make any personal changes. Also, many people have multiple doctors and therefore have many medical portals to look at. This portal will be all encompassing. It will allow the patient to access only one portal for all of their medical needs.

This is an important thing to have because people should be in charge of their own health. Patients should be able to go through all of their medical records at their own convenience. I know that privacy is a big concern for people. The portal would not be open to the public. There would be a three-step identification system, to ensure maximum security. Also, while all medical practitioners would be required to use the portal, only the medical professionals you actually have contact with will be able to have access to your records. You would still have to sign a release of your medical records for another medical professional to see.

A person who is inexperienced in this area should be aware that a three-step identification is required at all times. The medical portal is on a secured server. The

host site is encrypted. This is all to ensure the protection of one's privacy. Also, the

medical records inputted into the system will be updated automatically.

Testable Hypothesis

One of my starting assumptions for this project is that everyone might not be

comfortable with having all of their medical records online. However, by ensuring a

required three-step login and explaining to them that the three-step login will only

help to ensure their privacy and online safety. Another assumption that I have

before starting the project is that uploading the medical records will take a long

time. This assumption leads to the expectation that it would be best to keep the

transfer within the practitioner's office. If most of the records are still being

handwritten it might be hard to figure out the doctor's shorthand. To ensure the

greatest chance of accuracy, it is best that we have the transfer be done by the

medical office staff.

In order to ensure that a customer is happy with the portal every three

months a detailed survey will be sent out asking the customers if they like the portal

and what they would like to see improved. It is important that the creators of the

portal hold a conversation with not only the medical profession, but the customers

as well. Having a conversation with the customers only helps to ensure that the

customers are taking charge of their own medical records and would like to be able

to access them in the most continent and user-friendly way. Being in charge of your

own medical records is an important part of being a responsible adult. Depending

on your lifestyle, you might have to move multiple times throughout your life. Being

able to have access, and control, to your medical records will help you stay on top of

your health. Also, it will make finding new medical physicians an easier process. Once you find a physician that you are content with, allowing them access to your medical records would be a lot easier then remembering everything that is medically relevant to the doctor you are seeing. Also, I understand the concern that if you do move you might not want your old doctor to have access to your medical records. On the website you would be able to send a request to the doctor to relinquish access to your personal records. Therefore, ensuring that you are able to continue to be in control of who sees and does not see your files.

Proposed Timeline

Throughout this semester I will divide my time making sure that the project is as complete as it can be. In order to accomplish the project I will have to research the security breaches medical practices, with online portals, have had. Tying into researching the security breaches I will also look at the benefits of having a multi-step login and the benefits of having an encrypted server. I will also have to look at the pros and cons of multiple medical portals. Throughout the semester I will have to manage my time between researching and making sure that I am able to find a way to "build" a more secure medical portal. As well as, convince people that having an online medical portal is the future of the medical profession and will allow the patient to be more proactive in their health.