Business Analyst Report Sprint 1

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# Introduction-

This business analyst report outlines the scope and required tasks which will take place in the development of the project. It defines what is expected of the project by stakeholders, and how the project will be developed during the first developmental sprint.

# Business Mission/Customer Requirements

The need of the customer is that they require an easier way to contact medical professionals and an easier way to keep in contact with these professionals. They would like this to be centralised and easily accessible to both the users and the medical professionals. As such the application that is being developed is designed to support those with medical conditions that find it difficult to obtain medical support. This may be due to disabilities or age. Regardless of condition we aim to provide a service that connects patients with medical experts to assist with their needs.

The project primary main audience will be using the service elderly and those with limited mobility, alongside medical carers who plan to make use of this service. However, those who just wish to have a medical consultation, this project would be able to provide. This service will be staffed with medical volunteers, as to allow the service to be free for all to access. It is more important than before to be able to contact medical professionals however, people have become busier and have concessions towards their health. This should not be the case and this project aims to fix this.

# Potential Features-

There are many things that people would want in this type of service. This will be a list of the things that a target audience may want, and what is considered possible.

One of the first feature that could be implemented is a communication line for specialists. The second feature that may be implemented is a possible AI chatbot to act as a support line, not for medical questions but for questions about the operations of the organisation. The third potential feature is that of a website on which the text/speech channels could be accessed after creating an account on the website. A fourth feature that was investigated, was a VR simulation of a General Practice Surgery to allow for a more immersive interaction with medical professionals.

# Finalised features of the project-

Due to the limited amount of time, the software development team has decided on these features to implement for this project. These main features define the overall scope of the project and define how we will proceed with this project over the next weeks.

The feature for this project is to be able to develop a website that allows carers to register and connect with those that require care. The patients will have the ability to also register onto the website with their details being stored on a remote database that is accessible anywhere with an internet connection.

A second feature for this project is to be able to hold conversations with specialists as a patient on this website. This conversation being secure and private to prevent personal information from being leaked.

The third feature for this project is to have a virtual environment that allows a patient to virtually interact with these specialists in an environment like a traditional doctor visit. This visit being in a doctor’s office, inside a hospital or general practice. This is geared towards people that have great difficulty commuting and with limited human interaction, with the intention of providing a virtual human interaction despite their conditions.

The last feature of this project is for this project to be secure, reliable and be more convenient than traditional medical consultancy. This requirement is based on making it easier for people to contact medical professionals to reduce the chances of leaving a possible deadly condition undiagnosed. People should not leave their health to chance and having this being more convenient means that people would not have to.

A feature that won’t be implemented at the current moment is any of security. This is due to time constraints and needing to test the application works in its current configuration. Having all information being sent in plain text will help in the development of the project in its current stage, however in the second developmental sprint security will be one of the main focus areas of implementation.

# Tasks towards Objective-

The tasks that are the steps that will help to develop each feature of the project. These features being: Having a central website to connect patients and medical professionals, having the website act as a platform for conversation between patients and medical professionals. Not only are the tasks important to the development of the project, but the methodology in which development is done under.

First covering the tasks in which needs to be completed within the first developmental sprint. The first task is to have a website that allows users to register and monitor user information. Secondly would be to create the database which stores the all-user information. The configuration of the database will be decided upon by the database analyst. Third would be to create a section of the website that allows users to communicate. Forth, is to create the virtual environment that users will explore. Fifth is to have the virtual environment be able to take data from the database and display it to the corresponding user.

Now covering the methodology in which the project will conduct itself when developing the project. The methodology that will be used during the development of the project will be the incremental development methodology. The reasoning for this is that this methodology will allow us to build some basic products without having to overthink the first iterations. It allows means that any additional features that wished to be implemented by the client could just be built on top of the existing system.

# Summary-

The overall goal of this project is to be able to provide a quick and reliable service in which to connect those in need of medical support to those able to advise and provide such support. The process of which will take place during the first sprint of the project. The tasks which are necessary to the goal of the project are website development, database development, chat room, and virtual environment. Alongside covering the process in which these tasks are to be completed to guarantee a basic product is created regardless of any issues.