Aim: Reduce unnecessary trips to the GP and hospital by helping clients diagnose there health issue on the basis of the symptoms and family background history through the use of an online tools

Goal 1: Utilise , process and breakdown raw data on previous anonymous data on heath diagnoses.

Raw data on previous health diagnoses and other data when have to be analysed and linked up with its common symptoms to the medical condition they are related with

Goal 2: Developing an interface that is user friendly to people of various technical and health knowledge.

To achieve this goal will require first hand experience in both using and developing UI designs for both web and mobile.

Goal 3: Developing a system with I can handle various issues, symptoms and family background history which intern is analysed and returns a possible health dingoes

The Teams knowledge of database and programming will assistant being able to successfully link up and make meaning out of

**Roles**

UX experience and front end builder - Chathura

Chathura’s experience in designing user friendly and efficient designs, provides the user a way to easily interact devices. His experience include designing a custom built website for his RMIT assignments as well has his experience in destining and building IiOs interfaces by utilising tools such as Xcode story bored. The UX is at the up most important to the success of this application due to its interaction with various types of people

Lead Data scientist - Kaviesh

Kaviesh will be leading the role for the data scientist. His interest in data has lead him to decide to major in data management for his information technology degree at RMIT. The collection ,analsyis and progressing of raw data is the backbone of his application. This is to ensure accurate data is presented to the user. Data being a core part too the development warrants Lead Data scientist

to be its own role

Back End Developer - Micheal Shirmacher

Micheal Shirmacher will be taking the role of the lead back end developer. This is a vital role has the development of the application would require everything from the Front Ui to the data all being brought together to provide the user with a meaning full application. Micheal will suit this role he has a vast experience in developing both web apps and traditional apps through is extensive knowledge of both java and php.

Project Manger - Josh

The role of project Manger includes the duty of planning, overseeing and leading projects ensuring that a certain project in completed to a high standard including meets certain limits such has time and resource limits. This role includes communication with HR and other stake holders to make sure they are aware from the project’s current progress. Initially reluctant Josh was eventually happy to take on the role after being nominated by his team. (Chathura,Micheal and Kaviesh )

Scope and Limits

**Limits/ Constraints**

***Economic constraints***

* **Cost** - As this might be start up company the cost of employees and IT equipment would be a limiting factor
* **Time** - Even though more employees means project might be able to finish quickly it also increases cost. But at the same time the process of building a database, processing data and testing takes a lot of time and resources

**Technical constraints**

* **Speed of processing** - the solution should be hosted on a server that has at least 6 cores of processing power and has16gb of ram has a minimum. The network should also be able to maintain a high upload and download speed
* **Availability of equipment and services** - the location of the database and server could result in it not getting access to the highest network speed possible due ti coverage availability . Also some network and computer could not be available due to supply/demand issues or due to inflated prices.
* **Security** - The solution should be able to verify users through a system like myGov when autofilling data from a service like myHealthRecord.
* **Compatibility** - Solution should be designed to be able to run on different devices , screens and resolutions. This may be hindered by either technical expertise or time and cost constraints.

**Social constraints**

* **Level of expertise amongst users** - Some users of the service may be adults with no technical expertise or knowledge of any health related terms

***Legal constraints***

* **Privacy**- Any data collected or processed should not breach local or forge in privacy laws. In regards to local laws the service provided much not breach the Privacy Act 1988, Health records act 2001 and the privacy and Data Protection Act 2014
* **Ownership**. The product will be owned by the company developing the service but this also means there will be legal hurdles such as filling patents and enforcing copyright. This would also bring responsibility for any mistakes or wrong errors. Which result in civil/criminal action brought upon the company

**Usability constraints**

* **Accessibility** - people who have sort of disability hindering them from utilising the service to the full extent. Like a visual disability so the service should be able to adapt by increasing fonts sizes or having a voice over function
* **Ease of use** - Solution should be easy to navigate and learn. So the application should be able provides hints and tips along the way. But also should be designed in a way where the user can reasonably move throughout different parts of the service without any help

**Scope**

A major finicality feature of the development of the application includes its ability to receive an input from the user about the symptoms and the family history the user has. This is the most important part to help the user determine what medical condition he or she as. Has this is the most important part its is crucial that this part is both fully developed and tested. Which will ensure that the service is fully functional and accurate. Has the development of this feature will take the most time it is not feasible to add other features like where previous health data can be extracted from the user’s myHealthRecored service (with permission)