State of The Art (Wenhao Shi 450101560)

At present, there is still no cure for diabetes though the scientists and researchers around the world are actively looking for. People can only try to attenuate the symptom of diabetes through medication or to prevent this disease by improving daily diet or engaging physical activities (International Diabetes Federation, 2007). However, the supply of anti-diabetic medication is insufficient meanwhile the price of the drugs used in diabetes is too high for most the public to afford. Hence, the better way to counteract diabetes is using an efficient and convenient management method to monitor the indicators and symptoms which are related to this disease, then building up a scientific diet and a heathy live style to prevent it (World Health Organization, 2014).

Management software is a good choice for detecting and monitoring diabetes. There has been many diabetes management software available in recent years, which often provide the function of maintaining records and analysing the trends of diabetes (Chomutare, 2011). One of the typical features of a diabetes management software is providing summary tables of the recorded data that is often imported from detecting diabetes indicators (Chomutare, 2011). Along with showing the result on the screen, the software also support sharing the results online with the diabetes care team. Another typical feature of these apps is on emphasizing the communication between the patients and the doctors while most of the users actually do not have diabetes and they just want some scientific suggestions on prevention (Chomutare, 2011).

Our group’s idea is to build up a simple diabetes detecting software with easy using interface for the single user using at home. The idea is based on the truth that most of the diabetes management software are designed for the hospitals or other clinical settings while the software for the individuals to self-manage is rare while a great part of them are complex for home users to use. Besides the common functions as the existing software and the special feature of simpler operating interface, our product can provide suggestions to the users including building up healthful diet and engaging in physical activities.

Reference

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