

Criterion 1

Defining the problem:

My grandmother is facing a problem. Since last year, she has to eat some medicine everyday. However, she forgets to eat medicine for many times. For example, sometimes when she was outside or watching TV, she focus too much on TV to remind herself to eat medicine on time. So she wants a way to remember eating medicine on time. Also, because sometimes the medicine or health products she has to eat are imported from foreign country which write all informations in English, she couldn't understand the words on it. So, she hopes this solution can help her has medicine easier like overcome language difficulties and distinguish medicine. After I heard her problem, I thought I could write a program to help her solving her problem. Also, my computer science teacher is closing to be my adviser.

I discussed with my grandmother how could we solve this problem. After the discussion with my grandmother, I found she has a android mobile which she used a lot. So, I suggest I can write a Android program for her to solve her problem which can be convenient for her.

Rationale for solution:

I decided to write this program by a programming language instead of a websites because there are a lot of limitations about it. For example, a website have to connect to internet, but an application isn't, my client can use it wherever she is. Also, a program on phone is better than website because website is more complicated and it will stop working when you make it dormant that it can't produce any promoting.

I think a java program can effectively helps me achieve my client's requirements. Because now my application is only for my grandma, so I should find the most convenience way for her. Normally, she will bring her phone with her so I decided to write this program on android which is written by java.

the reason why I am going to use java because:

1. java is used to program android applications
2. there are a lot of resources on the internet
3. I am familiar with java
4. Java has a good develop environment
5. platform independent
6. with java, I can easily provide user friendly interfere

Success Criteria:

1. The client can add how many time she is going to have the medicine everyday, how many medicine remains by music and message.
2. The program will provide friendly interface which is attractive for the client
3. The program will remind the client when she is going to eat all medicine by message appears on the screen and tinkle sound
4. The program will remind the client to eat medicine with pictures of the medicine.
5. The program will get the name of medicine by taking the photo of the cover of the medicine
6. The program will translate the important informations like how many to have and special things from English to Chinese

word counts: 187+182=369 words