**Task 1**

Task 1: Once you have completed the initial task, and you are happy with the concept of an interface, you are to work with you group members to achieve the following (2-3 students can work as a team in your group):

▪ One of you should act in the role of ‘client’   
▪ You must instruct the ‘coder’ on developing your system(s)   
 o An ATM System  
 • You are free to make up your own requirements for this, consider them carefully however.   
o A Health Monitoring System   
 • Monitoring and controlling, heart rate, breathing, and administering medication when required.  
 o A Mobile Phone Fitness app

• Recording current weight, number of calories consumed on a daily basis, sports undertaken and suggesting recipes for meals

▪ Developing these systems one at a time, you must implement them (just the interface) using the following methodologies:

o First, Waterfall   
o Then, Agile   
▪ Making sure to consider the full lifecycle of the methodologies and the client relationships.

Make sure that BOTH members of your team engage in both sides of the above process, i.e. both act as client for the other, and developer.

**An ATM System**

Change pin

Deposit money

See balance

Withdraw money