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CDM550
 Assignment #3:
A Unified Medical Device

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Engineering spec:

The new device feature:
1- It should be small and curable that should fit in any bag, and comfortable to carry with you any where even during traveling.
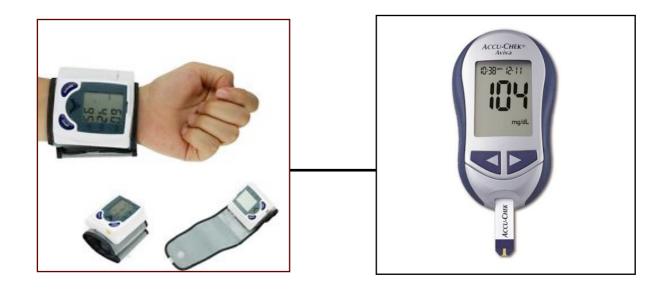2- It should be easy to use by all people in different ages.
3- It should be fast and readable.
4- The device should give you the numbers and the meaning of it, in another words it should tell you if you are having a normal pulse or high blood pressure ....etc.

What do we need to do:
Based on what is available in the market we need to combine two devices in one, the pulse and blood pressure device with the blood sugar monitor.

My sketches:

Old versions:

The Unimed:

Bracelet

Blood sample

Pulse

Suger Level Blood pressure

Blood pressure

Reading screen

On/Off

Normal
Normal
Low

■ .Reading screen should read the result for you to determine if your reading is normal or not.

<u>Body Fat Monitor:</u>

- We will add the fat monitor as a mobile app that connected to the Unimed using cable between your phone and the Unimed.

- Also another feature we can add to our fat monitor app is a reminding program that reminds you to test yourself , also to take you medications.

- Also this app can save your records for all of your results.

(1) The user should sit down in a comfortable possession.

(2) He/she should do the sugar test first by taking a blood sample using the tools that come with the device, then insert the sample inside the device.

(3) Then He/she should wear the device facing the screen to the bottom hand.

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(4) The final step is the user should wait between 30 to 60 seconds for the results to show up.