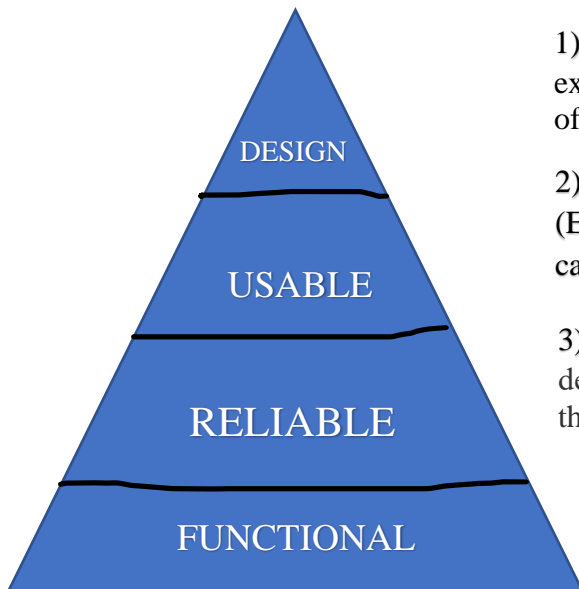


SOLUTION ARCHITECTURE

Do this :



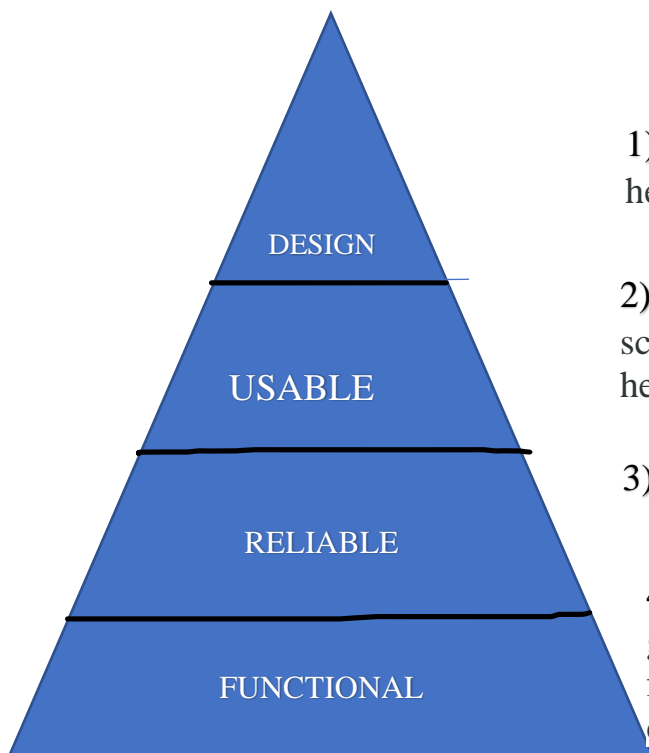
1) **DESIGN**: These sensor-based projects include fighting robots to extinguish the heartbeat ,automatic detector used to avoid the occurrence of accidents.

2) **USABLE**: The need for an accurate, yet affordable ECG (Electrocardiogram) machine is necessary to ensure the quality of cardiovascular health of the average citizen.

3) **RELIABLE**: Accurate readings can be make or break for wearable devices because if a consumer or clinician can't trust the readings from the device, the credibility of the device is diminished very quickly.

4) **FUNCTIONAL**: measure heartbeat, blood pressure, footsteps, calories burnt and lot of other things. These devices has pulse sensor inside them to sense the pulse rate.

NOT THIS:



1) **DESIGN**: the scheduler executes a method to send heartbeat messages .So this takes much time

2) **USABLE**: the failure detection mechanism has a similar scheduler started. At regular intervals, it checks if the heartbeat was received or not.

3) **RELIABLE**: The user may set the high and low level of heartbeat limits.

4) **FUNCTIONAL**: There are different functional offs. In general, the smaller the heartbeat interval, the quicker the failures are detected and the faster the failures are detected