UAT Plan

For The

Voltamic

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# Scope

## Objectives and business requirements

The goal for this watch is to achieve maximum safety for Vivian so she is not affected by her condition. With this feature we are hoping to achieve Vivian living her life as safe as possible.

We will measure success through the use of this watch while playing sports. If the watch alerts Vivian of her condition getting too critical it will be considered as success.

## Scope

We are making every effort to address the issue of Vivian not collapsing during sports activities, with the ultimate goal of ensuring her safety and well-being.

For this UAT Test we are testing:

* Does the watch alert when Vivian’s condition is stable
* Can it tell if Vivian’s condition is stable or not
* Can it tell Vivian’s heart rate and if it is too high or too low

For this UAT Test we are not testing:

* How quickly the watch needs to recharge
* Does the watch break on impact

## System Diagram

| This drawing represents a small hand drawn diagram of the watch on the wrist. The labeling shows the sensors sensing the veins and showing how the watch displays the information. |
| --- |

# Testing team

| **Name** | **Responsibilities** |
| --- | --- |
| Micheal | He will check with the patient to see if the watch work |
| Owen | He will design the watch and how it will look |
| Kelvin | He will be fixing any repairs for this project |
| Khan | He will be writing any data provided and put it in different charts |

# Environmental requirements

## Hardware requirements

* *Digital watch* 
  + *Vibration Sensor*
  + *Sound Sensor*
  + *Finger Strap Heart Rate Sensor*
  + *Built in LED*

## Network requirements

* *Digital Watch* 
  + *Bluetooth to connect to the watch to a phone*

# Test Scripts

| **Test** | **Describe the feature being tested** | **Describe the user input or test data** | **Describe the pass criteria** |  |
| --- | --- | --- | --- | --- |
| 1.1 | BP watch | 1. User starts at 90 BP 2. User Starts playing sports and BP goes Higher 3. User clicks on the screen to see BP | 1. User sees BP numbers being displayed 2. User notices BP is normal 3. When BP gets too high, the watch alerts the User 4. User feels the alert by the vibration of the watch | Tester name: Micheal   |  | PASS | | --- | --- | |  | FAIL | |
| 1.2 | Notification Screen | 1. User shows that he has seen the notification 2. Enters the data as follows:  | BP | Press Notification below to alert watch | | --- | --- | | 90 | Normal | | 140 | ALERT, ALERT | | 130 | ALERT, ALERT | | Program outputs as follows when notification is pressed:   | BP | Notifications | | --- | --- | | 90 | Normal | | 140 | ALERTED AND PRESSED | | 130 | ALERT AND PRESSED | | Tester name: Kelvin   |  | PASS | | --- | --- | |  | FAIL | |
| 1.3 | BP watch | 1. Place watch on the hand 2. Switch on the watch 3. Watch will start up BP monitor | 1. Watch should start measuring BP in 3000 milliseconds. 2. When the BP is at a critical rate, watch will alert the user as soon as possible 3. When the user sees the BP alert he/she will press a notification in the screen showing they have seen the alert. | Tester name: Owen   |  | PASS | | --- | --- | |  | FAIL | |