**Acceptance Tests – Sphygmomanometer**

Test Name: B\_AT1

Requirements Tested: B1, B2, B3, B6

Outline: Ensure that the device is able to measure user’s blood pressure

Pre-requisites: Make sure the device is turned on, healthy and sensors connected

Method:

|  |  |  |
| --- | --- | --- |
| Step | Action | Expected Observation |
| 1. | Attach the sensors to a person | Sensors are properly attached to a person |
| 2. | Once the reading is completed, look at the blood pressure reading on the display | See a reasonable blood pressure reading |
| 3. | Repeat the above steps again to check if readings are consistent | See same or very similar blood pressure readings |

Test Name: B\_AT2

Requirements Tested: B4

Outline: Ensure that the device is able to take the average blood pressure

Pre-requisites: Make sure the device is turned on, healthy and sensors connected

Method:

|  |  |  |
| --- | --- | --- |
| Step | Action | Expected Observation |
| 1. | Attach the sensors to a person | Sensors are properly attached to a person |
| 2. | Get three different readings from the machine in one sitting | End up with three very similar readings |
| 3. | Once the readings are completed, select the “average” option from the menu | Observe the “average” option returning the average result of the last three readings |

Test Name: B\_AT3

Requirements Tested: B1, B2, B3, B4, B5, B6

Outline: Ensure that the device is able to filter out erroneous readings and data

Pre-requisites: Make sure the device is turned on, healthy and sensors connected

Method:

|  |  |  |
| --- | --- | --- |
| Step | Action | Expected Observation |
| 1. | Attach the sensors to a person | Sensors are properly attached to a person |
| 2. | Get different readings from the machine | See the readings on the screen |
| 3. | If some readings are unusually high or low due to – person: not resting 3-5 minutes, talking, has fluctuating body temperature, smoking cigarette less than 30 mins prior to reading or other reasons, identify these readings and delete them. | See a realistic and accurate readings |